

Pricing Agreement Award

OCWUT00032 Core & Main LP

APPROVED by the Trustees and signed by the Chairman of the Oklahoma City Water Utilities Trust this 16TH day of JULY, 2024.

ATTEST:

OKLAHOMA CITY WATER UTILITIES TRUST

Amy K. Simpson
SECRETARY



Jim D. Couch
CHAIRMAN

CONCURRED by the Council and signed by the Mayor of The City of Oklahoma City this 30TH day of JULY, 2024.

ATTEST:

THE CITY OF OKLAHOMA CITY

Amy K. Simpson
CITY CLERK



David Holt
MAYOR

REVIEWED for form and legality.

Craig Keith
Assistant Municipal Counselor

O
C
W
U
T
0
0
0
3
2

Supplier: **CORE & MAIN LP**

**BID/PRICING AGREEMENT/CONTRACT FORM & NON-DISCRIMINATION
STATEMENT**

**BIDDER MUST ELECTRONICALLY COMPLETE, SIGN AND NOTARIZE THIS
DOCUMENT PRIOR TO SUBMITTING IN THE ELECTRONIC BID SYSTEM**

**Please be aware that typing in your password acts as your electronic signature, which is
just as legal and binding as an original signature.**

(See Electronic Signatures in Global and National Commerce Act for more information.)

**THIS DOCUMENT MUST BE ELECTRONICALLY SIGNED AND SUBMITTED WITH THE BID
OR THE BID WILL BE REJECTED**

INSTRUCTIONS: This document MUST be electronically signed and submitted with the bid for the bid to be valid. Failure to electronically sign the this document prior to submitting the electronic bid will result in rejection of your bid. This document constitutes your bid and will be the Pricing Agreement/Contract document under which you are to perform, should your bid be accepted, so it must be properly and completely executed. It is, therefore, essential that you are aware of its terms, as well as those contained in the specifications.

Submit this electronically signed document, along with all accompanying documents:

THIS PRICING AGREEMENT/CONTRACT is made and entered into, by and between **CORE & MAIN LP** hereinafter referred to as "Bidder" and The City of Oklahoma City, a municipal corporation, or a participating Public Trust of which The City of Oklahoma City is Beneficiary hereinafter referred to as the "Contracting Entity."

WITNESSETH:

WHEREAS, the governing body of the Contracting Entity has approved certain specifications and requested by notice that bids be submitted thereon; and

WHEREAS, this document until executed by the Mayor/Chairman of the Contracting Entity constitutes the Bidder's proposal; and

NOW, THEREFORE, that in consideration of the covenants, agreements and representations as hereinafter set forth, it is mutually agreed by the parties that:

1. The Bidder agrees to sell and deliver to the Contracting Entity, the items of material and/or services, specified in the pricing section of the electronic bid submittal, which is attached hereto and made a part of this Pricing Agreement/Contract. List the prompt payment discount, if any, for this agreement in the space provided below:

Discount for Prompt Payment N/A% Days

2. The Bidder expressly warrants that all articles, material, and/or work covered in this Pricing Agreement/Contract will conform to the specifications and electronic bid documents attached to this bid and are hereby incorporated, as if set forth in full herein; and further warrants that the same shall be of good material and workmanship, and free from defects.

3. The Bidder understands that all bids are to be submitted in U.S. dollars at a firm price. Bids submitted in any currency other than U.S. dollars will be rejected.

4. The Bidder also understands that all invoices shall be submitted in U.S. dollars and agrees to accept payment in U.S. dollars as full satisfaction of the invoiced amount.

5. If any of the goods fail to meet the warranties contained in Paragraph 2, above, the Bidder, upon notice from the Contracting Entity, shall promptly correct or replace the same at the Bidder's expense. If the Bidder shall fail to do so, the Contracting Entity may cancel this order as to all such goods, and in addition, may cancel the then remaining balance of this order. After notice to the Bidder, all such goods will be held

O
C
W
U
T
0
0
0
3
2

at the Bidder's risk. The Contracting Entity may, at the Bidder's direction, make available such goods to be returned to the Bidder at the Bidder's risk, and all transportation charges, both to and from the original destination, shall be paid by the Bidder. Any payment for such goods shall be refunded by the Bidder unless the Bidder promptly corrects or replaces the same at the Bidder's expense.

6. The Contracting Entity agrees to pay to the Bidder the price and amount in accordance with Paragraph 1 above, based on the quantity actually purchased, upon delivery to and acceptance by the Contracting Entity, of the material and/or service[s] above described and upon the filing by the Bidder, and approval by the Contracting Entity, of a verified claim for the amount due.

7. The Bidder agrees, in connection with the performance of work under this Pricing Agreement/Contract:

a. That the Bidder will not discriminate against any employee or applicant for employment, because of race, creed, color, sex, age, national origin, ancestry or disability. The Bidder shall take affirmative action to ensure that employees are treated without regard to their race, creed, color, age, national origin, sex, ancestry or disability. Such actions shall include, but not be limited to, the following: employment, promotion, demotion or transfer, recruitment, advertising, lay-off, termination, rates of pay or other forms of compensation and selection for training, including apprenticeship. The Bidder agrees to post, in a conspicuous place available to employees and applicants for employment, notices to be provided by the City Clerk/Secretary of the Contracting Entity setting forth the provisions of this section, and;

b. That the Bidder agrees to include this non-discrimination clause in any subcontracts connected with the performance of this Pricing Agreement/Contract.

8. In the event of the Bidder's non-compliance with the above non-discrimination clause, this Pricing Agreement/Contract may be canceled or terminated by the Contracting Entity. The Bidder may be declared by the Contracting Entity ineligible for further Pricing Agreement[s]/Contract[s] with the Contracting Entity until satisfactory proof of intent to comply is made by the Bidder.

9. The risk of loss or damage shall be borne by the Bidder at all times until the acceptance of goods, properly packed, by the Contracting Entity.

10. This Pricing Agreement/Contract, specifications, electronic bid submittal documents and any attachments constitutes the entire understanding and agreement of the parties upon the subject matter hereof. There is no agreement, oral or otherwise, which is not contained in or attached to this Pricing Agreement/Contract. This Pricing Agreement/Contract may not be modified or assigned unless approved in writing and signed by both parties.

11. The parties assume and understand that the variables in the Bidder's cost of performance may fluctuate; consequently, the parties agree that any fluctuations in the Bidder's costs will not alter the Bidder's obligations under this Pricing Agreement/Contract nor excuse performance or delay on the Bidder's part.

12. This Pricing Agreement/Contract shall be inoperative during such period of time that the aforesaid delivery or acceptance may be rendered impossible by reason of fire, Act of God or government regulation. Provided, however, to the extent that the Bidder has any commercially reasonable alternative method of performing this Pricing Agreement/Contract by purchase on the market or otherwise, the Bidder shall not be freed of any obligations hereunder by this clause, even though the goods intended for this Pricing Agreement/Contract were destroyed or their delivery delayed because of an event described above.

13. The shipping or receiving of any goods under this Pricing Agreement/Contract shall not be deemed, or be, a waiver of any right to damages for any prior failure to ship or receive any goods.

14. This Pricing Agreement/Contract shall be governed by the laws of the State of Oklahoma.

15. The Bidder shall be responsible for complying with all applicable federal, state and local laws.

16. If submitting a bid for services, the Bidder certifies that they, and any proposed subcontractors, are in compliance with 25 O.S. §1313 and participate in the status Verification System. The Status Verification System is defined in 25 O.S. §1312 and includes but is not limited to the free Employment Verification Program (E-Verify) through the Department of Homeland Security and available at www.dhs.gov/E-Verify.

O
C
W
U
T
0
0
0
3
2

The undersigned individual states that the Bidder will be bound by all components of its bid, the specification, the terms and conditions of the Pricing Agreement/Contract, and the requirements for Bidders.

WITNESS the hands of the parties hereto:

THIS FORM MUST BE ELECTRONICALLY SIGNED AND SUBMITTED WITH THE BID FOR THE BID TO BE VALID

Note: The owner or an officer of the business or corporation may sign this document. A Corporate Seal or a letter of authorization is needed for any other signer. For instance, if a Salesman or Manager signs this form, a letter of authorization or Corporate Seal is to be attached.

MIKE BECKHAM

Type Name of Authorized Agent

BRANCH MANAGER

Title of Authorized Agent

CORE & MAIN LP, 14701 E 116TH ST N., OWASSO, OK 74055

Company Name and Address

Zip Code

800-225-2968 FAX 918-586-7101

Telephone Number and Fax Number if any

BIDDER MUST ELECTRONICALLY COMPLETE, SIGN AND NOTARIZE THIS DOCUMENT

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature.

(See Electronic Signatures in Global and National Commerce Act for more information.)

THIS FORM MUST BE ELECTRONICALLY SIGNED AND SUBMITTED WITH THE BID OR THE BID WILL BE REJECTED

O
C
W
U
T
0
0
0
3
2

Supplier: CORE & MAIN LP**NON-COLLUSION AFFIDAVIT****BIDDER MUST ELECTRONICALLY COMPLETE, SIGN AND NOTARIZE THIS DOCUMENT PRIOR TO SUBMITTING BID**

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature.

(See Electronic Signatures in Global and National Commerce Act for more information.)

The undersigned, of lawful age, being duly sworn, upon oath, deposes and says: That the undersigned has the lawful authority to execute the within and foregoing proposal/bid for, and on behalf of, the Proposer/Bidder; that the Proposer/Bidder has not, directly or indirectly, entered into any agreement, express or implied, with any Proposer/Bidder, having for its object the controlling of the price or amount of such proposal/bid, the limiting of the proposals/bids or the Proposers/Bidders, the parceling or farming out to any Proposer/Bidder or other persons, of any part of the Agreement or any part of the subject matter of the proposal/bid, or of the profits thereof, and that Proposer/Bidder has not and will not divulge the sealed proposal/bid to any person whomsoever, except those having a partnership or other financial interest with the Proposer/Bidder in the said proposal/bid, until after the said sealed proposals/bids are opened.

The undersigned further states that the Proposer/Bidder has not been a party to any collusion: among Proposer/Bidders in restraint of freedom of competition, by any agreement to bid at a fixed price or to refrain from proposing; or with any City/Trust official, City/Trust employee or City/Trust agent as to the quantity, quality, or price in the prospective Agreement, or any other terms of the said prospective Agreement; or in any discussions between the Proposers/Bidders or City/Trust official, City/Trust employee or City/Trust agent concerning the exchange of money or other thing of value for special consideration in the letting of Agreement. The Proposer/Bidder states that it has not paid, given or donated or agreed to pay, give or donate to any City/Trust official, officer or employee of the City or awarding agency, any money or other thing of value, either directly or indirectly, in the procuring of the award of Agreement pursuant to this Proposal/Bid.

Witness the hands of the parties hereto:

The undersigned states that the Proposer/Bidder will be bound by its proposal/bid, the specification, the terms and conditions of the Agreement, and the Requirements for Proposer/Bidders.

→ → THIS FORM TO BE COMPLETED BY THE PROPOSER/BIDDER PRIOR TO AGREEMENT APPROVAL ← ←

MIKE BECKHAM

Type Name of Authorized Agent/Representative

CORE & MAIN LP

Company Name

14701 E 116TH ST N

Address

918-586-7100

Telephone Number and Fax Number, if any

BRANCH MANAGER

Title

74055

Zip Code

TO BE COMPLETED BY THE NOTARY:

State of *

OK

)

) SSS

County of *

ROGERS

)

[*State and County where notarized must be typed in for bid/proposal to be considered.][SAK1]

Signed and sworn to before **29** day of **APRIL**, **2024** by **MIKE BECKHAM**
me on this
[Day] [Month] [Year] [Print the name of the
agent/representative who signed
above.]

My Commission Number: **13002609** **LEONA MARIE WOODSON**
[Oklahoma] Type Name of Notary Public
My Commission Expires: **03/18/2025**
[Date/Year]

[49 Okla. Stat. 2011 §119]

BIDDER MUST ELECTRONICALLY COMPLETE, SIGN AND NOTARIZE THIS DOCUMENT PRIOR TO SUBMITTING BID
Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature.
(See Electronic Signatures in Global and National Commerce Act for more information.)

O
C
W
U
T
0
0
0
3
2



Core & Main LP
1830 Craig Park Court
St Louis, MO 63146

**CERTIFICATE OF AUTHORITY
Branch Managers and District Managers**

Name of Company: Core & Main LP, a Florida limited partnership
Reference: Customer Sales Contracts, RFPs, Bids, and Related Matters
Date: July 29, 2019

THE UNDERSIGNED DOES HEREBY CERTIFY that I am the CEO of Core & Main LP, a Florida limited partnership ("Core & Main") and am authorized to sign on behalf of Core & Main. As CEO, I am authorized to make and deliver this certificate. I do hereby designate each of the Branch Managers and District Managers of Core & Main as my designees, and authorize each of them to execute and deliver, or cause to be executed and delivered, any and all bids and offers for furnishing materials and/or services, including related non-disclosure agreements, responses to requests for qualifications, requests for proposals, customer sales contracts, supply agreements, distributor agreements, purchase orders and similar agreements provided that the total anticipated value of the bid or contract price is not in excess of \$400,000 (the "Documents"), and to take or cause to be taken any and all actions in connection therewith as such individual may consider necessary or desirable, with such necessity or desirability being conclusively evidenced by the actions so taken by such individuals. Further I hereby ratify and approve all previous actions taken by such individuals with respect to the execution and delivery of such Documents in the name of and on behalf of Core & Main.

The authorization hereunder is effective as of the date hereof, and shall continue until the earlier of the undersigned's revocation of such authorization in writing, or the last date of the applicable employee's employment with Core & Main.

IN WITNESS WHEREOF, the undersigned has executed this instrument as of the 29 day of July, 2019.



Stephen O. LeClair, CEO

O
C
W
U
T
0
0
0
3
2

Supplier: CORE & MAIN LP**BIDDER MUST ELECTRONICALLY COMPLETE THIS FORM PRIOR TO SUBMITTING BID****SUPPLIER CONTACT INFORMATION**

The purpose of this form is to assist various City Departments and Trusts with placing orders.

Sales Contact:Company Name: **CORE & MAIN LP**Address: **14701 E 116TH ST N**Contact Person: **COLTON BREWER**Email Address: **colton.brewer@coreandmain.com**Telephone
Number: **800-225-2968**Fax Number: **800-513-0775****Billing Contact:**Company Name: **CORE & MAIN LP**Address: **14701 E 116TH ST N**Contact Person: **LEONA WOODSON**Email Address: **leona.woodson@coreandmain.com**Telephone
Number: **800-225-2968**Fax Number: **800-513-0775****Service Contact:**Company Name: **CORE & MAIN LP**Address: **14701 E 116TH ST N**Contact Person: **Mike Beckham**Email Address: **michael.beckham@coreandmain.com**Telephone Number: **918-586-7100**Fax Number: **800-513-0775**After Hours Emergency Number(s) **214-317-7349**After Hours Emergency Number(s) **918-637-3517**After Hours Emergency Number(s) **620-778-1014**After Hours Emergency Number(s) **mikebeckham343**O
C
W
U
T
0
0
0
3
2



CERTIFICATE OF LIABILITY INSURANCE

Page 1 of 1

DATE (MM/DD/YYYY)
05/17/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER Willis Towers Watson Northeast, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA | CONTACT NAME: Willis Towers Watson Certificate Center PHONE (A/C No. Ext): 1-877-945-7378 FAX (A/C No): 1-888-467-2378 E-MAIL ADDRESS: certificates@willis.com | | | | | | | | | | | | | | |
|--|--|-------------------------------|--------|---|-------|--------------------------------------|-------|------------|--|------------|--|------------|--|------------|--|
| INSURED Core & Main LP 1830 Craig Park Court Saint Louis, MO 63146 | <table><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A: ACE American Insurance Company</td><td>22667</td></tr><tr><td>INSURER B: Willis Submission Carrier</td><td>GENRC</td></tr><tr><td>INSURER C:</td><td></td></tr><tr><td>INSURER D:</td><td></td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></table> | INSURER(S) AFFORDING COVERAGE | NAIC # | INSURER A: ACE American Insurance Company | 22667 | INSURER B: Willis Submission Carrier | GENRC | INSURER C: | | INSURER D: | | INSURER E: | | INSURER F: | |
| INSURER(S) AFFORDING COVERAGE | NAIC # | | | | | | | | | | | | | | |
| INSURER A: ACE American Insurance Company | 22667 | | | | | | | | | | | | | | |
| INSURER B: Willis Submission Carrier | GENRC | | | | | | | | | | | | | | |
| INSURER C: | | | | | | | | | | | | | | | |
| INSURER D: | | | | | | | | | | | | | | | |
| INSURER E: | | | | | | | | | | | | | | | |
| INSURER F: | | | | | | | | | | | | | | | |

COVERAGES

CERTIFICATE NUMBER: W33582715

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|--|-----------|----------|---------------|-------------------------|-------------------------|---|
| A | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> SIR Each Occurrence: \$500,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER: | Y | | XSL G72949341 | 08/01/2023 | 08/01/2024 | EACH OCCURRENCE \$ 500,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 500,000 GENERAL AGGREGATE \$ 1,500,000 PRODUCTS - COMP/OP AGG \$ 1,500,000 |
| B | AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY | Y | | SEE ATTACHED | 08/01/2023 | 08/01/2024 | COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ |
| | UMBRELLA LIAB EXCESS LIAB DED RETENTION \$ | | | | | | EACH OCCURRENCE \$ AGGREGATE \$ |
| B | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | Y/N No | N/A | SEE ATTACHED | 08/01/2023 | 08/01/2024 | <input checked="" type="checkbox"/> PER STATUTE E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000 |
| B | Additional Lines of Coverage | | | SEE ATTACHED | 08/01/2023 | 08/01/2024 | |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Ocwut 36-24 Hydrants Valves Repair Kits & Services

The Oklahoma City Water Utilities Trust (OCWUT) (Contracting Entity), including The City of Oklahoma City and its participating public trusts to this Bid/Pricing Agreement/Contract whether named herein or by reference only are included as an Additional Insureds as respects to General Liability and Auto Liability where required by written contract.

CERTIFICATE HOLDER**CANCELLATION**

| | |
|--|---|
| THE CITY OF OKLAHOMA CITY AND THE OKLAHOMA CITY WATER UTILITIES TRUST 420 W MAIN ST., SUITE 500 OKLAHOMA CITY, OK 73102 | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE |
|--|---|

© 1988-2016 ACORD CORPORATION. All rights reserved.

ACORD 25 (2016/03)

The ACORD name and logo are registered marks of ACORD

SR ID: 25886855

BATCH: 3466613

ADDITIONAL COVERAGE SCHEDULE

NAMED INSURED: Core & Main LP

AUTOMOBILE LIABILITY

Policy Effective & Expiration Dates: See Page 1

Limits: See Page 1

| POLICY NUMBER | STATE | INSURER(S) AFFORDING COVERAGE |
|---------------|------------------|--------------------------------|
| ISA H25562847 | All Other States | ACE American Insurance Company |

WORKERS COMPENSATION & EMPLOYERS LIABILITY

Policy Effective & Expiration Dates: See Page 1

Limit: See Page 1

| POLICY NUMBER | STATE | INSURER(S) AFFORDING COVERAGE |
|---------------|------------------|---|
| WLRC70305069 | All Other States | ACE American Insurance Company |
| SCFC70305100 | Wisconsin | ACE Fire Underwriters Insurance Company |

EXCESS LIABILITY

Policy Effective & Expiration Dates: 08/01/2023-08/01/2024

| POLICY NUMBER | TYPE OF INSURANCE | LIMITS | INSURER(S) AFFORDING COVERAGE |
|-----------------|-----------------------------|--------------------|-----------------------------------|
| 140001151 | Excess Automobile Liability | \$3M xs \$2M | QBE Specialty Insurance Company |
| MKLM6MM50000066 | Excess General Liability | \$5M xs Primary GL | Markel American Insurance Company |

O
C
W
U
T
0
0
0
3
2

**Bid Tabulation Packet
for
Solicitation OCWUT 36-24**

Fire Hydrants, Valves, Repair Kits, & Services

Bid Designation: Public



The City of
OKLAHOMA CITY

City of Oklahoma City and its Trusts

O
C
W
U
T
0
0
0
3
2

CORE & MAIN LP

Bid Contact **Michael Beckham**
michael.beckham@coreandmain.com
Ph 918-586-7100
Fax 918-586-7101

Address **14701 E 116th St N**
Owasso, OK 74055

| Item # | Line Item | Notes | Unit Price | Qty/Unit | Attch. Docs |
|--------------------|---|---|------------------------------|----------|--------------------|
| OCWUT 36-24--01-01 | Group 1: Traffic Model Fire Hydrants: Traffic Model Fire Hydrants depth of bury 3 foot | Supplier Product Code: AFC Supplier Notes: MINUS 54.5% FROM LIST PRICE | First Offer - -54.50% | 1 / each | -54.50% Y Y |
| OCWUT 36-24--01-02 | Group 1: Traffic Model Fire Hydrants: Traffic Model Fire Hydrants depth of bury 4 foot | Supplier Product Code: AFC Supplier Notes: MINUS 54.5% FROM LIST PRICE | First Offer - -54.50% | 1 / each | -54.50% Y |
| OCWUT 36-24--01-03 | Group 1: Traffic Model Fire Hydrants: Traffic Model Fire Hydrants depth of bury 4.5 foot | Supplier Product Code: AFC Supplier Notes: MINUS 54.5% FROM LIST PRICE | First Offer - -54.50% | 1 / each | -54.50% Y |
| OCWUT 36-24--01-04 | Group 1: Traffic Model Fire Hydrants: Traffic Model Fire Hydrants depth of bury 5 foot | Supplier Product Code: AFC Supplier Notes: MINUS 54.5% | First Offer - -54.50% | 1 / each | -54.50% Y |

O
C
W
U
T
0
0
0
3
2

| | | | | | | |
|--------------------|---|---|------------------------------|----------|----------------|----------|
| OCWUT 36-24--01-05 | Group 1: Traffic Model Fire Hydrants: Traffic Model Fire Hydrants depth of bury 6 foot | Supplier Product Code: AFC Supplier Notes: MINUS 54,5% FROM LIST PRICE | First Offer - -54.50% | 1 / each | -54.50% | Y |
|--------------------|---|---|------------------------------|----------|----------------|----------|

| | | | Lot Total | | \$0.00 | | |
|--------------------|--|---|-----------------------------|----------|---------------|----------|----------|
| Item # | Line Item | Notes | Unit Price | Qty/Unit | Attch. Docs | | |
| OCWUT 36-24--02-01 | Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 16 inch | Supplier Product Code: VALMATIC Supplier Notes: LIST PRICE FROM 2017 +25% | First Offer - 25.00% | 1 / each | 25.00% | Y | Y |

| | | | | | | |
|--------------------|--|---|-----------------------------|----------|---------------|----------|
| OCWUT 36-24--02-02 | Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 18 inch | Supplier Product Code: VALMATIC Supplier Notes: LIST PRICE FROM 2017 +25% | First Offer - 25.00% | 1 / each | 25.00% | Y |
|--------------------|--|---|-----------------------------|----------|---------------|----------|

| | | | | | | |
|--------------------|--|---|-----------------------------|----------|---------------|----------|
| OCWUT 36-24--02-03 | Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 20 inch | Supplier Product Code: VALMATIC Supplier Notes: LIST PRICE FROM 2017 +25% | First Offer - 25.00% | 1 / each | 25.00% | Y |
|--------------------|--|---|-----------------------------|----------|---------------|----------|

OCWUT 00032

| | | | | | | |
|--------------------|--|---|-----------------------------|----------|---------------|----------|
| OCWUT 36-24--02-04 | Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 24 inch | Supplier Product Code: VALMATIC Supplier Notes: LIST PRICE FROM 2017 +25% | First Offer - 25.00% | 1 / each | 25.00% | Y |
| OCWUT 36-24--02-05 | Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 30 inch | Supplier Product Code: VALMATIC Supplier Notes: LIST PRICE FROM 2017 +25% | First Offer - 25.00% | 1 / each | 25.00% | Y |
| OCWUT 36-24--02-06 | Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 36 inch | Supplier Product Code: VALMATIC Supplier Notes: LIST PRICE FROM 2017 +25% | First Offer - 25.00% | 1 / each | 25.00% | Y |
| OCWUT 36-24--02-07 | Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 48 inch | Supplier Product Code: VALMATIC Supplier Notes: LIST PRICE FROM 2017 +25% | First Offer - 25.00% | 1 / each | 25.00% | Y |
| OCWUT 36-24--02-08 | Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 6 inch - 56 inch | Supplier Product Code: VALMATIC Supplier Notes: LIST PRICE FROM 2017 +25% | First Offer - 25.00% | 1 / each | 25.00% | Y |

O
C
W
U
T
0
0
0
3
2

| Lot Total | | | | | | \$0.00 |
|--------------------|--|--|------------------------------|----------|----------------|--------|
| Item # | Line Item | Notes | Unit Price | Qty/Unit | Attch. | Docs |
| OCWUT 36-24--03-01 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 2 inch | Supplier Product Code: AFC Supplier Notes: MINUS 49.5% FROM LIST PRICE | First Offer - -49.50% | 1 / each | -49.50% | Y |
| OCWUT 36-24--03-02 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 3 inch | Supplier Product Code: AFC Supplier Notes: MINUS 49.5% FROM LIST PRICE | First Offer - -49.50% | 1 / each | -49.50% | Y |
| OCWUT 36-24--03-03 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 4 inch | Supplier Product Code: AFC Supplier Notes: MINUS 49.5% FROM LIST PRICE | First Offer - -49.50% | 1 / each | -49.50% | Y |
| OCWUT 36-24--03-04 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 6 inch | Supplier Product Code: AFC Supplier Notes: MINUS 49.5% FROM LIST PRICE | First Offer - -49.50% | 1 / each | -49.50% | Y |

O
C
W
U
T
0
0
0
3
2

| | | | | | | |
|--------------------|---|--|------------------------------|----------|----------------|----------|
| OCWUT 36-24--03-05 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 8 inch | Supplier Product Code: AFC Supplier Notes: MINUS 49.5% FROM LIST PRICE | First Offer - -49.50% | 1 / each | -49.50% | Y |
| OCWUT 36-24--03-06 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 10 inch | Supplier Product Code: AFC Supplier Notes: MINUS 49.5% FROM LIST PRICE | First Offer - -49.50% | 1 / each | -49.50% | Y |
| OCWUT 36-24--03-07 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 12 inch | Supplier Product Code: AFC Supplier Notes: MINUS 49.5% FROM LIST PRICE | First Offer - -49.50% | 1 / each | -49.50% | Y |
| OCWUT 36-24--03-08 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 14 inch | Supplier Product Code: AFC Supplier Notes: MINUS 40% FROM LIST PRICE | First Offer - -40.00% | 1 / each | -40.00% | Y |

O
C
W
U
T
0
0
0
3
2

| | | | | | | |
|--------------------|---|--|------------------------------|----------|----------------|----------|
| OCWUT 36-24--03-09 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 16 inch | Supplier Product Code: AFC Supplier Notes: MINUS 40% FROM LIST PRICE | First Offer - -40.00% | 1 / each | -40.00% | Y |
|--------------------|---|--|------------------------------|----------|----------------|----------|

| | | | | | | |
|--------------------|---|--|------------------------------|----------|----------------|----------|
| OCWUT 36-24--03-10 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 18 inch | Supplier Product Code: AFC Supplier Notes: MINUS 40% FROM LIST PRICE | First Offer - -40.00% | 1 / each | -40.00% | Y |
|--------------------|---|--|------------------------------|----------|----------------|----------|

| | | | | | | |
|--------------------|---|--|-----------------------------|----------|---------------|----------|
| OCWUT 36-24--03-11 | Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 20 inch - 56 inch | Supplier Product Code: AFC Supplier Notes: MINUS 40% FROM LIST PRICE | First Offer - 40.00% | 1 / each | 40.00% | Y |
|--------------------|---|--|-----------------------------|----------|---------------|----------|

Lot Total \$0.00

| Item # | Line Item | Notes | Unit Price | Qty/Unit | Attch. Docs |
|--------|-----------|-------|------------|----------|-------------|
|--------|-----------|-------|------------|----------|-------------|

| | | | | | | |
|--------------------|--|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24--04-01 | Group 4: Mechanical Joint Valves: ABZ Mastergear Valve Operators and Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
|--------------------|--|--|----------------------------|----------|--------------|----------|

| | | | | | | |
|--------------------|------------------------------|---|------------------------------|----------|----------------|----------|
| OCWUT 36-24--04-02 | Group 4: Mechanical Joint | Supplier Product Code: GA INDUSTRIES | First Offer - -10.00% | 1 / each | -10.00% | Y |
|--------------------|------------------------------|---|------------------------------|----------|----------------|----------|

O
C
W
U
T
0
0
0
3
2

Valves: Allis
Chalmers Valve
Operators and
Valves

Supplier Notes: MINUS
10%
<https://gainindustries.com>

| | | | | | | |
|-------------------|---|---|------------------------------|----------|----------------|----------|
| OCWUT 36-24-04-03 | Group 4: Mechanical Joint Valves: American Valves | Supplier Product Code: AFC Supplier Notes: MINUS 49.5% | First Offer - -49.50% | 1 / each | -49.50% | Y |
| OCWUT 36-24-04-04 | Group 4: Mechanical Joint Valves: APCO Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-05 | Group 4: Mechanical Joint Valves: ARI - Air Relief Valves | Supplier Product Code: ARI Supplier Notes: MINUS 15% | First Offer - -15.00% | 1 / each | -15.00% | Y |
| OCWUT 36-24-04-06 | Group 4: Mechanical Joint Valves: ASCO Valves | Supplier Product Code: ASCO Supplier Notes: WWW.VALVE- WAREHOUSE.NET | First Offer - 20.00% | 1 / each | 20.00% | Y |
| OCWUT 36-24-04-07 | Group 4: Mechanical Joint Valves: ASCO: 1- way, normally closed | Supplier Product Code: ASCO Supplier Notes: WWW.VALVE- WAREHOUSE.NET | First Offer - 20.00% | 1 / each | 20.00% | Y |
| OCWUT 36-24-04-08 | Group 4: Mechanical Joint Valves: ASCO: 1- way, normally open | Supplier Product Code: ASCO Supplier Notes: WWW.VALVE- WAREHOUSE.NET | First Offer - 20.00% | 1 / each | 20.00% | Y |

O
C
W
U
T
0
0
0
3
2

| | | | | | | |
|--------------------|--|---|------------------------------|----------|----------------|----------|
| OCWUT 36-24--04-09 | Group 4: Mechanical Joint Valves: ASCO: 3- way, 2 position | Supplier Product Code: ASCO Supplier Notes: WWW.VALVE- WAREHOUSE.NET | First Offer - 20.00% | 1 / each | 20.00% | Y |
| OCWUT 36-24--04-10 | Group 4: Mechanical Joint Valves: ASCO: 4- way, 2 position | Supplier Product Code: ASCO Supplier Notes: WWW.VALVE- WAREHOUSE.NET | First Offer - 20.00% | 1 / each | 20.00% | Y |
| OCWUT 36-24--04-11 | Group 4: Mechanical Joint Valves: Auma valves and operators | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--04-12 | Group 4: Mechanical Joint Valves: Bailey Valve Positioners | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--04-13 | Group 4: Mechanical Joint Valves: Bermed Valve, Parts, and Controls | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--04-14 | Group 4: Mechanical Joint Valves: Chapman Valve Operators and Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--04-15 | Group 4: Mechanical Joint Valves: Check Valves 4 inch to 24 inch flanged | Supplier Product Code: AFC Supplier Notes: MINUS 40% | First Offer - -40.00% | 1 / each | -40.00% | Y |

O
C
W
U
T
0
0
0
3
2

| | | | | | | | |
|-------------------|---|--|------------------------------|----------|----------------|---|---|
| OCWUT 36-24-04-16 | Group 4: Mechanical Joint Valves: Cla-val Altitude Valves | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 250.00% | 1 / each | 250.00% | Y | Y |
| OCWUT 36-24-04-17 | Group 4: Mechanical Joint Valves: Cla-val Globe Valves | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 250.00% | 1 / each | 250.00% | | Y |
| OCWUT 36-24-04-18 | Group 4: Mechanical Joint Valves: Cla-val Pump Control Valves - Booster Type | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 250.00% | 1 / each | 250.00% | | Y |
| OCWUT 36-24-04-19 | Group 4: Mechanical Joint Valves: Cla-val Pilot Valves, 4 inch to 12 inch | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 250.00% | 1 / each | 250.00% | | Y |
| OCWUT 36-24-04-20 | Group 4: Mechanical Joint Valves: Cla-Val Replacement Parts/Kits | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 225.00% | 1 / each | 225.00% | | Y |
| OCWUT 36-24-04-21 | Group 4: Mechanical Joint Valves: Cla-val Valves, Parts, and Controls | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 225.00% | 1 / each | 225.00% | | Y |

O
C
W
U
T
0
0
0
3
2

| | | | | | | |
|-------------------|--|--|------------------------------|----------|----------------|----------|
| OCWUT 36-24-04-22 | Group 4: Mechanical Joint Valves: Cla-val Needle Valve Assemblies | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 250.00% | 1 / each | 250.00% | Y |
| OCWUT 36-24-04-23 | Group 4: Mechanical Joint Valves: Cla-val flow clean strainer, straight & angled, x47 model | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 250.00% | 1 / each | 250.00% | Y |
| OCWUT 36-24-04-24 | Group 4: Mechanical Joint Valves: Cla-val model x105L, x105L2, limit switch assemblies | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 250.00% | 1 / each | 250.00% | Y |
| OCWUT 36-24-04-25 | Group 4: Mechanical Joint Valves: Cla-val 3/8 inch to 24 inch pressure relief/control valves | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 250.00% | 1 / each | 250.00% | Y |
| OCWUT 36-24-04-26 | Group 4: Mechanical Joint Valves: Cla-val solenoid control valves | Supplier Product Code: CLA-VAL Supplier Notes: 250% CLA-VAL LIST PRICING 2016 | First Offer - 250.00% | 1 / each | 250.00% | Y |
| OCWUT 36-24-04-27 | Group 4: Mechanical Joint Valves: Clayton valve operators, positioners, and valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |

O
C
W
U
T
0
0
0
3
2

| | | | | | | | |
|--------------------|---|--|------------------------------|----------|----------------|----------|----------|
| OCWUT 36-24--04-28 | Group 4: Mechanical Joint Valves: Clow Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y | |
| OCWUT 36-24--04-29 | Group 4: Mechanical Joint Valves: Clow Valves, 6 inch to 12 inch, flanged | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y | |
| OCWUT 36-24--04-30 | Group 4: Mechanical Joint Valves: Crispen Valves | Supplier Product Code: CRISPEN Supplier Notes: MINUS 20% | First Offer - -20.00% | 1 / each | -20.00% | Y | Y |
| OCWUT 36-24--04-31 | Group 4: Mechanical Joint Valves: Darling gate valves 4 inch to 24 inch, flanged | Supplier Product Code: AFC Supplier Notes: MINUS -40% | First Offer - -40.00% | 1 / each | -40.00% | Y | |
| OCWUT 36-24--04-32 | Group 4: Mechanical Joint Valves: Darling valve operators and valves | Supplier Product Code: AFC Supplier Notes: MINUS 15% | First Offer - -15.00% | 1 / each | -15.00% | Y | |
| OCWUT 36-24--04-33 | Group 4: Mechanical Joint Valves: DeZurik Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y | |
| OCWUT 36-24--04-34 | Group 4: Mechanical Joint Valves: EIM Valve Operators | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y | |

O
C
W
U
T
0
0
0
3
2

| | | | | | | |
|--------------------|---|---|------------------------------|----------|----------------|----------|
| OCWUT 36-24--04-35 | Group 4: Mechanical Joint Valves: Golden Anderson Valves | Supplier Product Code: GOLDEN ANDERSON Supplier Notes: MINUS 20% | First Offer - -20.00% | 1 / each | -20.00% | Y |
| OCWUT 36-24--04-36 | Group 4: Mechanical Joint Valves: Hydro Gate Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--04-37 | Group 4: Mechanical Joint Valves: Kennedy Valves 6 inch to 24 inch | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--04-38 | Group 4: Mechanical Joint Valves: Keystone valve operators and valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--04-39 | Group 4: Mechanical Joint Valves: Kinetrol Pneumatic Valve Operators | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--04-40 | Group 4: Mechanical Joint Valves: Kunkle Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--04-41 | Group 4: Mechanical Joint Valves: Kytronics Valves Positioners | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--04-42 | Group 4: | Supplier Product | First Offer - 0.00% | 1 / each | 0.00% | Y |

O
C
W
U
T
0
0
0
3
2

Mechanical Joint **Code:** NO BID
Valves: Limitorque
Valve Positioners **Supplier Notes:** NO
BID

| | | | | | | |
|-------------------|--|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24-04-43 | Group 4: Mechanical Joint Valves: Ludlow Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-44 | Group 4: Mechanical Joint Valves: Mercoid: Pressure Adjustment Switches | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-45 | Group 4: Mechanical Joint Valves: Miller Valve Operators | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-46 | Group 4: Mechanical Joint Valves: Mueller Valve Operators | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-47 | Group 4: Mechanical Joint Valves: Parker Hannifir Valve Operators | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-48 | Group 4: Mechanical Joint Valves: Pratt Butterfly Valves 4 inch to 24 inch, flanged | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-49 | Group 4: Mechanical Joint Valves: Pratt Butterfly Valves 4 | Supplier Product Code: NO BID Supplier Notes: NO | First Offer - 0.00% | 1 / each | 0.00% | Y |

O
C
W
U
T
0
0
0
3
2

| | | | | | | |
|-------------------|---|--|-----------------------------|----------|---------------|----------|
| | inch to 24 inch, non-flanged | BID | | | | |
| OCWUT 36-24-04-50 | Group 4: Mechanical Joint Valves: Pratt Valve Operators and Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-51 | Group 4: Mechanical Joint Valves: Rensselaer check valves 6 inch to 20 inch, flanged | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-52 | Group 4: Mechanical Joint Valves: Rodney Hunt Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-53 | Group 4: Mechanical Joint Valves: Ross Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-54 | Group 4: Mechanical Joint Valves: Rototork: Valve Actuators | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-55 | Group 4: Mechanical Joint Valves: Sluce Gate Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24-04-56 | Group 4: Mechanical Joint Valves: Val-matic Valves | Supplier Product Code: VALMATIC Supplier Notes: LIST PRICE FROM 2017 | First Offer - 25.00% | 1 / each | 25.00% | Y |
| OCWUT 36-24-04-57 | Group 4: | Supplier Product | First Offer - 0.00% | 1 / each | 0.00% | Y |

O
C
W
U
T
0
0
0
3
2

Mechanical Joint
Valves: Verse
Valve Operators
Code: NO BID
Supplier Notes: NO
BID

| | | | | | | |
|-------------------|---|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24-04-58 | Group 4: Mechanical Joint Valves: Xomox Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
|-------------------|---|--|----------------------------|----------|--------------|----------|

Lot Total **\$0.00**

| Item # | Line Item | Notes | Unit Price | Qty/Unit | Attch. Docs |
|--------|-----------|-------|------------|----------|-------------|
|--------|-----------|-------|------------|----------|-------------|

| | | | | | | |
|-------------------|--|--|------------------------------|----------|----------------|----------|
| OCWUT 36-24-05-01 | Group 5: Hydrant and Valve Repair Parts: American Darling Model B-62 Repair Parts, Tools, and/or Accessories | Supplier Product Code: AFC Supplier Notes: MINUS 10% FROM LIST PRICE | First Offer - -10.00% | 1 / each | -10.00% | Y |
|-------------------|--|--|------------------------------|----------|----------------|----------|

| | | | | | | |
|-------------------|--|--|------------------------------|----------|----------------|----------|
| OCWUT 36-24-05-02 | Group 5: Hydrant and Valve Repair Parts: American Darling Model B-84 Repair Parts, Tools, and/or Accessories | Supplier Product Code: AFC Supplier Notes: MINUS 10% FROM LIST PRICE | First Offer - -10.00% | 1 / each | -10.00% | Y |
|-------------------|--|--|------------------------------|----------|----------------|----------|

| | | | | | | |
|-------------------|--|--|------------------------------|----------|----------------|----------|
| OCWUT 36-24-05-03 | Group 5: Hydrant and Valve Repair Parts: American Darling Gate and Tapping Valve Repair Parts | Supplier Product Code: AFC Supplier Notes: MINUS 10% FROM LIST PRICE | First Offer - -10.00% | 1 / each | -10.00% | Y |
|-------------------|--|--|------------------------------|----------|----------------|----------|

| | | | | | | |
|-------------------|--|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24-05-04 | Group 5: Hydrant and Valve Repair Parts: Mueller A-423 Centurion Repair Parts, Tools, and Accessories | Supplier Product Code: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
|-------------------|--|--|----------------------------|----------|--------------|----------|

OCWUT 00032

Supplier**Notes:** NO

BID

| | | | | | | |
|--------------------|--|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24--05-05 | Group 5: Hydrant and Valve Repair Parts: Mueller Valve Operators, Gate, and Tapping Valves | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--05-06 | Group 5: Hydrant and Valve Repair Parts: U.S. Pipe Gate and Tapping Valves Repair Parts, Tools, & Accessories | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--05-07 | Group 5: Hydrant and Valve Repair Parts: U.S. Pipe Metro Large Barrel Pre-1994 Repair Parts, Tools, & Accessories | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--05-08 | Group 5: Hydrant and Valve Repair Parts: U.S. Pipe Metro Small Barrel Pre-1994 Repair Parts, Tools, & Accessories | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--05-09 | Group 5: Hydrant and Valve Repair Parts: U.S. Pipe Sentinel Repair Parts, Tools, & Accessories | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| OCWUT 36-24--05-10 | Group 5: Hydrant and Valve Repair Parts: M&H 129 | Supplier Product Code: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |

O
C
W
U
T
0
0
0
3
2

Reliant Repair Parts, Tools, &
Accessories**Supplier****Notes:** NO

BID

| | | | | | | |
|-------------------|--|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24-05-11 | Group 5: Hydrant and Valve Repair Parts: M&H Gate and Tapping Valve Repair Parts | Supplier Product Code: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| | | Supplier Notes: NO BID | | | | |

| | | | | | | |
|-------------------|---|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24-05-12 | Group 5: Hydrant and Valve Repair Parts: Clow F2500 Repair Parts, Tools, and Accessories | Supplier Product Code: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| | | Supplier Notes: NO BID | | | | |

| | | | | | | |
|-------------------|--|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24-05-13 | Group 5: Hydrant and Valve Repair Parts: Clow Gate and Tapping Valve Repair Parts, Tools, & Accessories | Supplier Product Code: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| | | Supplier Notes: NO BID | | | | |

| | | | | | | |
|-------------------|---|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24-05-14 | Group 5: Hydrant and Valve Repair Parts: Clow Medallion Repair Parts, Tools, & Accessories | Supplier Product Code: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| | | Supplier Notes: NO BID | | | | |

| | | | | | | |
|-------------------|---|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24-05-15 | Group 5: Hydrant and Valve Repair Parts: Kennedy Gate and Tapping Valve Repair Parts, Tools, & Accessories | Supplier Product Code: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
| | | Supplier Notes: NO BID | | | | |

| | | | | | | |
|-------------------|--|-----------------------------------|----------------------------|----------|--------------|----------|
| OCWUT 36-24-05-16 | Group 5: Hydrant and Valve Repair Parts: Kennedy K-81 | Supplier Product | First Offer - 0.00% | 1 / each | 0.00% | Y |
|-------------------|--|-----------------------------------|----------------------------|----------|--------------|----------|

O
C
W
U
T
0
0
0
3
2

Guardian Repair Parts, Tools, **Code:** NO BID
& Accessories**Supplier****Notes:** NO
BID

| | | | | | | |
|--------------------|---|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24--05-17 | Group 5: Hydrant and Valve Repair Parts: Pratt Butterfly Valves Repair Parts, Tools, & Accessories | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
|--------------------|---|--|----------------------------|----------|--------------|----------|

| | | | | | | |
|--------------------|---|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24--05-18 | Group 5: Hydrant and Valve Repair Parts: Vertical shoe for hydrants | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
|--------------------|---|--|----------------------------|----------|--------------|----------|

| | | | | | | |
|--------------------|---|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24--05-19 | Group 5: Hydrant and Valve Repair Parts: EJ (East Jordan) Watermaster 5CD250 Repair, parts, Tools, and/or Accessories | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
|--------------------|---|--|----------------------------|----------|--------------|----------|

| | | | | | | |
|--------------------|--|--|----------------------------|----------|--------------|----------|
| OCWUT 36-24--05-20 | Group 5: Hydrant and Valve Repair Parts: EJ (East Jordan) Flowmaster RW Repair, Parts, Tools, & Accessories | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - 0.00% | 1 / each | 0.00% | Y |
|--------------------|--|--|----------------------------|----------|--------------|----------|

| | | | | Lot Total | \$0.00 | |
|--------------------|------------------------------------|--|-----------------------------|-----------|---------------|----------|
| Item # | Line Item | Notes | Unit Price | Qty/Unit | Attch. | Docs |
| OCWUT 36-24--06-01 | Group 6: Shop Labor: Shop Labor | Supplier Product Code: NO BID Supplier Notes: NO BID | First Offer - \$0.00 | 1 / hour | \$0.00 | Y |

O
C
W
U
T
0
0
0
3
2

| | | | | | | |
|----------------------------------|------------------------------------|--|-----------------------------|----------|---------------|----------|
| OCWUT 36-24--06-02 | Group 6: Shop Labor: Shop Labor | Supplier Product Code: NO BID | First Offer - \$0.00 | 1 / hour | \$0.00 | Y |
| Supplier Notes: NO BID | | | | | | |

| | | | | | Lot Total | \$0.00 |
|--|---|--|----------------------|----------|----------------|---------------|
| Item # | Line Item | Notes | Unit Price | Qty/Unit | Attch. | Docs |
| OCWUT 36-24--07-01 | Group 7: Federal Acquisition Regulations: Federal Acquisition Regulations | Supplier Product Code: NO BID | First Offer - | 1 / each | | Y |
| Supplier Notes: NO BID | | | | | | |
| | | | | | Lot Total | \$0.00 |
| | | | | | Supplier Total | \$0.00 |

OCWUT 00032

CORE & MAIN LP

Item: **Group 1: Traffic Model Fire Hydrants:Traffic Model Fire Hydrants depth of bury 3 foot**

Attachments

2021 AMERICAN AWWA Price Schedule Rev3 2 1.pdf

O
C
W
U
T
0
0
0
3
2



AMERICAN

FLOW CONTROL

THE RIGHT WAY

O
C
W
U
T
0
0
0
3
2

AWWA PRICE SCHEDULE

EFFECTIVE DECEMBER 1, 2021

This price schedule supersedes all previous price schedules.
Prices are subject to change without prior notice.

(Revised 5/6/22)

Index

| ITEM | PRICE | PAGE NO. WEIGHTS |
|---|--------------|---------------------|
| CHAINWHEELS | 91 | 96 |
| CHECK VALVES | | |
| AWWA (50 Line & Series 600) | 69 | 95 |
| UL Listed (Series 600) | 78 | 95 |
| 250 P.S.I. DI Resilient Seated | 68 | 95 |
| Parts | 70-75 | - |
| CONDITIONS OF SALES | 3 | - |
| DISTRIBUTOR DISCOUNT & FREIGHT | | |
| STRUCTURE | 4 | - |
| FM APPROVED PRODUCTS. | 76-77 | - |
| GASKETS | 89 | - |
| GATE VALVES | | |
| AWWA 250 P.S.I. Resilient | | |
| Wedge Gate Valves | 54-56 | 94 |
| Parts (Series 2500-1) | 57-58, 60-62 | - |
| Parts (Series 2500) | 59, 62 | - |
| AWWA Resilient Wedge Valves | - | - |
| UL/FM | 77 | 94 |
| Optional Accessories | 89 | - |
| Wrench | 91 | - |
| HYDRANTS | | |
| B-62-B. | 7, 11 | 92 |
| B-84-B. | 7-8 | 92 |
| Mark 73 | 9-11 | 92 |
| Pacer | 7-8, 11 | 92 |
| Trend | 9-10 | 92 |
| UL/FM. | 76 | 92 |
| Parts: B-50-B. | 27-28 | - |
| B-62-B. | 24-26 | - |
| B-84-B. | 18-23 | - |
| Mark 73. | 15-17 | - |
| Miscellaneous. | 53 | - |
| Pacer | 29-36 | - |
| Traverse City | 51-52 | - |
| Trend. | 37-45 | - |
| W/WB-59. | 46-50 | - |
| EXTENSION KITS: | | |
| Groundline, Quik-Fix & Base | 12 | 93 |
| REPAIR KITS: | | |
| Traffic. | 13 | - |
| Quik-Fix | 13 | - |
| Hydrant Maintenance Kit | 14 | - |

| ITEM | PRICE | PAGE NO. WEIGHTS |
|---|-------|---------------------|
| INDICATOR POSTS. | 79-81 | 96-97 |
| Parts | 82-83 | - |
| MECHANICAL JOINT ACCESSORIES. | 89 | - |
| PALLET QUANTITIES. | 97 | - |
| POLICY FOR AUTHORIZED RETURNS. | 5-6 | - |
| REPAIR SLEEVES | 66 | - |
| RESILIENT WEDGE VALVES. | 54-56 | 94 |
| RETROFIT VALVE BOX INSERT. | 85 | 96 |
| Parts | 88 | - |
| TAP | 90 | - |
| TAPPING SLEEVES | 66 | 95 |
| Parts | 67 | - |
| TAPPING VALVES: | | |
| 250 P.S.I. DI Resilient Wedge Valve. | 65 | 98 |
| UL/FM | 77 | 95 |
| TERMS. | 3 | - |
| TRENCH ADAPTER | 84 | 96 |
| Extensions | 86 | 86 |
| Parts | 87 | - |
| UL LISTED PRODUCTS | 76-78 | - |
| WRENCH, VALVE | 91 | - |

OCWUT 00032



Terms and Conditions of Sale

1. All orders are subject to approval and acceptance by an authorized representative of Seller at its general office in Birmingham, Alabama. Terms of payment as shown on the face hereof are subject to approval of Seller's Credit Manager.
2. Should the financial responsibility of Buyer at any time become unsatisfactory to Seller, Seller shall have the right to suspend performance of any order or require payment for any shipment hereunder in advance or require satisfactory security or other adequate assurance satisfactory to Seller. If Buyer fails to make payment in accordance with the terms of this agreement or fails to comply with any provision hereof, the Seller may at its option in addition to any other remedies, cancel any unshipped portion of this order, Buyer to remain liable for all unpaid accounts. A service charge of one and one-half percent (1 1/2%) per month or the maximum allowed by law, whichever is less, will be due on all amounts past due under this agreement. Buyer agrees to pay all collection costs and expenses, including reasonable attorneys' fees, incurred by Seller in collecting or attempting to collect past due amounts from Buyer. Seller shall have the right to credit toward the payment of any monies that may become due Seller hereunder any sums which may now or hereafter be owed to Buyer by Seller.
3. The shipment and/or delivery date for any part or all of the products cannot be extended beyond the original date specified or mutually agreed upon without Seller's written consent. If there is a delay in completion of manufacture or shipment of this order due to any change requested by the Buyer or as a result of any delay on Buyer's part in furnishing information required for completion of the order, the price and delivery terms agreed upon in the order is subject to change. Failure of the Buyer to furnish Seller with shipping instructions or accept delivery of the products on the date specified or mutually agreed upon shall in no way alter the terms of payment of Seller's invoice for any of the products offered for delivery. On any deferred shipment or delivery, Seller shall have the right to render invoice for the completed portion, including its increased costs as a result of the delay.
4. Unless otherwise provided in writing, freight charges on all shipments, and spotting, switching, demurrage, or drayage at destination are to be paid by Buyer. Any increase in the amount of freight from that shown on the face hereof as being included is for Buyer's account. Seller reserves the right to designate origin and intermediate carriers. If a specific delivering carrier is required, Buyer must designate such carrier in writing to Seller prior to shipment. Seller reserves the right to make partial shipments.
5. Prices do not include any present or future federal, state or local taxes based upon or measured by the sale, use, manufacture or shipment of the products covered hereby. All such taxes shall be for Buyer's account, and, if paid by Seller, the Buyer agrees to reimburse Seller on demand for the full amount thereof.
6. Prices and the delivery are F.O.B. Seller's factory except as otherwise noted on the order. Title to products and risk of loss or damage shall pass to Buyer at such delivery point, irrespective of any freight allowance or prepayment of freight.
7. Specifications and requirements provided by Buyer on the face hereof or incorporated into an order are in accordance with directions of Buyer and full responsibility for their correctness is assumed by Buyer.
8. SELLER WARRANTS THAT THE PRODUCTS COVERED HEREBY CONFORM TO THE DESCRIPTION AND SPECIFICATIONS, IF ANY, ON THE FACE HEREOF, AND ARE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP, FOR A PERIOD OF TEN (10) YEARS FROM THE DATE THE PRODUCTS ARE FIRST SHIPPED. ALL OTHER WARRANTIES ARE EXCLUDED, WHETHER EXPRESSED OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY CERTIFICATIONS REQUIRED BY SPECIFIC STANDARDS, SPECIFICATIONS, AND/OR LAWS, CODES, OR REGULATIONS MUST BE DISCLOSED TO SELLER PRIOR TO THE TIME THE ORDER IS PLACED WITH SELLER. SELLER SHALL NOT BE RESPONSIBLE FOR ANY CERTIFICATIONS OR REQUIREMENTS NOT SPECIFICALLY INCORPORATED INTO THE ORDER. SELLER'S SOLE LIABILITY (AND BUYER'S EXCLUSIVE REMEDY) HEREUNDER, EITHER FOR BREACH OF WARRANTY OR FOR NEGLIGENCE, IS EXPRESSLY LIMITED AT THE OPTION OF SELLER: (A) TO THE REPLACEMENT AT THE AGREED POINT OF DELIVERY OF ANY PRODUCTS FOUND TO BE DEFECTIVE OR NOT TO CONFORM TO THE DESCRIPTION AND SPECIFICATIONS SET FORTH HEREIN, (B) TO THE REPAIR OF SUCH PRODUCTS, OR (C) TO THE REFUND OR CREDITING TO BUYER OF THE PRICE OF SUCH PRODUCTS, OR (D) AS TO MOTORS, CONTROLS, MANUAL ACTUATORS, TECHNOLOGY APPURTANCES, NETWORK CONNECTED ITEMS (INCLUDING THE AFC SEMPER), LOCKING OR ANTI-TAMPERING DEVICES (INCLUDING THE AFC CAPTIVATOR) AND/OR ACCESSORIES PURCHASED BY SELLER FROM OTHER SUPPLIERS, AND USED OR INCORPORATED IN SELLER'S PRODUCTS, SELLER'S WARRANTY SHALL ONLY APPLY TO THE EXTENT OF THE SUPPLIER(S) WARRANTY TO SELLER FOR SUCH MOTORS, CONTROLS, MANUAL ACTUATORS, TECHNOLOGY APPURTANCES, NETWORK CONNECTED ITEMS, LOCKING OR ANTI-TAMPERING DEVICES AND/OR ACCESSORIES. ANYTHING CONTAINED HEREIN TO THE CONTRARY NOTWITHSTANDING, SELLER'S WARRANTIES SHALL NOT APPLY TO (A) ANY PRODUCT SOLD HEREUNDER IF BUYER ALTERS THE PRODUCT OR REPLACES ANY PART OR PARTS OF SUCH PRODUCT WITH ANY PART OR PARTS NOT MANUFACTURED, SOLD OR OFFERED FOR SALE BY SELLER, OR (B) DAMAGE TO THE PRODUCTS CAUSED BY EXPOSURE TO THE ADVERSE SERVICE CONDITIONS, INCLUDING THE FOLLOWING: (I) HIGHLY CORROSIVE CONDITIONS; (II) EXCESSIVE QUANTITY OF CHEMICALS OR CHEMICALS NOT TYPICALLY USED IN CONNECTION WITH THE USE OF THE PRODUCTS; (III) ABRASIVE OR DAMAGING HYDRAULIC OR MECHANICAL CONDITIONS; OR (IV) OTHER DAMAGING CONDITIONS NOT NORMALLY ENCOUNTERED IN CONNECTION WITH THE NORMAL USE OF THE PRODUCTS. No representation or warranty, express or implied, made by any sales representative or other agent or representative of the Seller which is not specifically set forth herein shall be binding upon the Seller. In the event the material to be furnished hereunder is claimed to be defective, the Seller shall be given ample opportunity for inspection or, upon request, be furnished with a sample.
9. SELLER SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES DIRECTLY OR INDIRECTLY ARISING OR RESULTING FROM THE BREACH OF ANY OF THE TERMS HEREOF OR FROM THE SALE, HANDLING OR USE OF THE PRODUCTS SOLD.
10. No products may be returned for credit and no order is subject to cancellation or to change unless agreed to in writing by an authorized representative of Seller. In the event of any cancellation, and without limitation to other available remedies to Seller, the Buyer shall pay Seller within thirty (30) days of such cancellation (i) the order price, including applicable taxes, for all articles, materials and services which have been completed prior to cancellation; (ii) all cost and other expenses incurred by Seller for uncompleted items (including without limitation all commitments to Seller's suppliers, subcontractors, and others); and (iii) a cancellation charge in an amount equal to twenty five percent (25%) upon the total of the foregoing. In the event of any change, Seller shall be entitled to revise its prices and delivery schedules to reflect such change.
11. Seller shall not be liable for any failure or delay in manufacture, shipment or delivery of products resulting from any cause beyond Seller's control including, but not limited to, provisions of law or governmental regulations, accident, explosion, fire, windstorm, flood or other casualty, or acts of God, strike, lockout, or other labor difficulty, riot, war, terrorism, insurrection, shortage or inability to secure labor, raw materials, production or transportation facilities. Shipping dates are approximate and are based on factory conditions at the time of quotation.
12. Buyer may not assign this agreement without Seller's prior written consent.
13. Waiver of any term or provision of this agreement or of any breach of this agreement shall not be construed as a waiver of any other term or provision or of any other breach, nor shall any such waiver be deemed or construed as a continuing waiver. Any provision of this agreement prohibited by applicable law shall be ineffective to the extent of such prohibition without invalidating the remaining provisions hereof.
14. This agreement shall be governed under and according to the laws of the State of Alabama. The parties agree that the state or federal courts of Jefferson County, Alabama shall be the sole and exclusive forum for any dispute arising out of or related to this agreement or the products furnished hereunder by Seller.
15. In the event of a conflict between any of the printed provisions hereof and any written provisions hereof which are mutually agreed upon by the parties, the written provisions shall govern.
16. There are no terms, conditions, understandings or agreements between Buyer and Seller other than those stated herein and all prior proposals and negotiations are merged herein.
17. NO TERMS AND CONDITIONS IN ANY WAY ALTERING OR MODIFYING THE PROVISIONS HEREOF SHALL BE BINDING UPON SELLER UNLESS IN WRITING AND SIGNED BY AN AUTHORIZED REPRESENTATIVE OF SELLER. NO MODIFICATION OR ALTERATION OF ANY PROVISION HEREOF SHALL RESULT FROM SELLER'S ACKNOWLEDGEMENT OF BUYER'S PURCHASE ORDER, SHIPMENT OF MATERIAL OR OTHER AFFIRMATION ACTION BY SELLER TOWARD PERFORMANCE HEREUNDER FOLLOWING RECEIPT OF BUYER'S PURCHASE ORDER, SHIPPING ORDER, OR OTHER FORMS CONTAINING PROVISIONS, TERMS OR CONDITIONS IN ADDITION TO OR IN CONFLICT OR INCONSISTENT WITH THE PROVISIONS HEREOF.



Distributor Discounts and Freight Structure

DISTRIBUTOR DISCOUNTS ON PRODUCT ORDERS

| Size of Order | Discount | Freight Paid By |
|-----------------------|----------|-----------------------|
| 10,000 lbs. and above | Standard | AMERICAN Flow Control |
| Under 10,000 lbs | Standard | Distributor |

DISTRIBUTOR DISCOUNTS ON PARTS ORDERS

| Size of Order | Discount | Freight Paid By |
|----------------|----------|-----------------|
| Not Applicable | Standard | *Distributor |

*Hydrant extension kits and traffic repair kits use parts discount, but AFC will pay freight when kits and other parts are shipped with a truckload.

OCWUT 00032



General Policy for Authorized Stocking Distributors

A. GENERAL

1. All conditions of pricing and sales are subject to the provisions listed in the AFC published list Price Schedule, latest revision, including Terms and Conditions of Sale, list prices, and all other stated information.
2. This document is effective immediately.
3. All publications referred to herein are to be considered as the latest revision of the referenced publication.
4. Definition of Terms:

AMERICAN Flow Control - (AFC) Division of AMERICAN Cast Iron Pipe Company.

AFC Standard Line - Products and parts listed in the AFC published list Price Schedule.

Allowable Stock Items - Products and parts listed in the AFC standard line where sales and products are of sufficient volume and frequency to justify these items as "allowable stock."

Discount - Percentage reduction of unit prices listed in Price Schedule (not to be confused with the 2% - 20 days prompt payment discount).

Distributor - Authorized stocking distributor of AFC products and parts who purchases from AFC these products and parts, stocks them, and resells them to end users and not to concerns who would resell these products.

Order - Distributor's purchase order (or multiple purchase orders received in the same mail for combined shipment)

Parts - Components of AFC assembled products that are sold or shipped separately.

Price Schedule - The AFC published list Price Schedule, latest revision.

Products - AFC assembled products (valves, hydrants, tapping sleeves, etc.)

Standard Discount - The current maximum reduction of unit prices listed on the Price Schedule as advised in writing to the distributor from time to time by an authorized AFC employee.

must be postmarked within 20 days from the date of the invoice. If the 20th day from invoice date occurs on a Saturday, Sunday, or legal holiday, payment may be postmarked on the next business day. Two percent (2%) discounts cannot be taken when payments are postmarked beyond the aforementioned deadlines, regardless of the circumstances. Attempts to take unearned discounts on a repeated basis can result in withdrawal of the 2% discount terms.

4. Allowable stock additions to orders will qualify for freight allowance if:
 - a. Received within 14 days of receipt of the original order or 14 days prior to the date of shipment of the original order, whichever is the earlier date.
 - b. Original order qualified for freight allowance.
5. Distributors may request stop-offs as long as the stop-offs are along the regular truck route to the distributor's stockyard. The distributor shall be responsible for the stop-off charges incurred.
6. Upon request, distributors may receive a 24-hour notification of delivery from the carrier. At the 24-hour notification, the shipment is committed and cannot be delayed or rerouted.
7. Cancellation of products that are not allowable stock will result in cancellation charges in accordance with AFC Terms and Conditions of Sale if any manufacture has begun on any component (or purchases have been committed on any component) at the time of cancellation.
8. If a distributor desires to return unused AFC products for credit, the following conditions will apply:
 - a. A two-week prior notice to AFC is required with an inventory of products being returned plus a return authorization from AFC.
 - b. Materials must be shipped freight prepaid by the distributor to the AFC plant, and materials must be properly tagged.
 - c. Materials returned for credit must be in saleable condition must have been purchased within the preceding 12 months from date of notice of return and must be accompanied by the AFC invoice number and date.
 - d. Received products will be credited at:
 1. Any costs incurred by AFC in any needed repair or reconditioning of the product or in joint materials that must be added or replaced would also be deducted.
 2. Standard, allowable stock: original net price less 25%.
 3. Standard, non-allowable stock: original net price less 36%.
 4. Special product: scrap value depending on the AFC assessment of resale possibilities.

B. PRICES, DISCOUNTS, CHARGES AND FREIGHT COSTS

1. Please refer to Distributor Discounts & Freight Structure for an explanation of discount and freight conditions for shipments.
2. For shipping destinations in Alaska, Hawaii, and Puerto Rico, AFC will ship to the continental USA port designated by the distributor. If the order qualifies for freight to be paid by AFC, AFC will pay for truck freight to the designated continental USA port, most economical routing, and the distributor will be responsible for all charges for ocean freight, insurance, and handling.
3. In addition to the payment terms stated in AFC Terms and Conditions of Sale, AFC offers authorized AFC distributors a 2% discount from invoiced value for prompt payment. In order to qualify for this 2% discount, payments

O
C
W
U
T
0
0
0
3
2

**C. OTHER PROVISIONS**

1. When urgent or emergency purchase orders are telephoned or faxed to AFC, they will be entered pending receipt of the written purchase order. The purchase order must be marked "confirming" by the distributor to ensure against duplication. AFC cannot be responsible for duplications when orders are not marked "confirming" or for accuracy when "confirming" purchase orders are not received.
2. If a distributor desires shipment before a certain date or after current lead times, they should properly note this on the order. Shipping date restrictions on original orders (or changes to orders) which extend beyond current published lead times can possibly disqualify the order from certain discounts or freight considerations described herein and place the order under discounts and other conditions prevailing at the time of the desired shipping date. AFC makes every possible effort to provide accurate lead times based on estimated time of production. However, these lead times should be viewed only as estimates and not as guarantees. Early or late shipments do not obligate AFC for extending billing, service charge waivers, or contingent expenses incurred by the distributor or by the distributor's customer. When manufacture of an order is completed and the distributor, for any reason, holds shipment beyond the current lead time, the order is subject to invoicing (prior to shipment) and/or appropriate storage charges.
3. AFC reserves the right to ship distributor's orders (or portions of these orders) sooner than published lead times or estimated shipping dates unless such is specifically forbidden via written instructions on the distributor's purchase order. If quick shipment of an order would be undesirable to a distributor, he should include a "Ship-Not-Before" date and instructions on his purchase order. "Ship-Not-Before" dates will be accepted and honored by AFC so long as they are within prevailing published lead times and not after the deadline of an announced price increase.
4. Complete specifications are necessary prior to AFC pricing on non-standard line AFC products or on special actuators (electric, cylinder, etc.). Price quotations provided by AFC prior to receipt of complete specifications should be considered only as estimates and subject to adjustment upon receipt of complete detailed specifications (or, in lieu of same, upon approval of AFC shop drawings). AFC cannot be held responsible for late shipments on purchased special actuators unless this same responsibility can be passed along to the special actuator supplier.
5. All sales are F.O.B. shipping point. If AFC is to absorb freight costs according to conditions stated under the Distributor Discounts and Freight Structure, the most economical method of routing will be utilized. When the distributor is paying freight charges, materials may either be shipped collect or the freight may be prepaid with the charges added to the invoice at the option of AFC. In the event of damage or shortage of materials, the distributor has the responsibility of filing a claim with the carrier regardless of whether freight charges were paid by AFC or by the distributor.
6. As indicated in the Distributor Discounts and Freight Structure, the distributor pays all freight charges on all parts shipments, except when shipped with a truckload. Whenever possible, AFC will assist in minimizing freight charges by combining parts shipments in trucks with product shipments to a distributor. To assure these combined shipments, distributors must combine their parts order(s) with product order(s) and note on the purchase order(s) that parts and products are to be shipped together.
7. Distributor agrees to:
 - a. Maintain sufficient inventory of AFC products as needed to maintain quick service to distributor's market area.
 - b. Maintain sales and inventory planning as required to order ahead (compatible with AFC lead times).
 - c. Perform intensive sales coverage of distributor's market area.
 - d. Maintain continuing market feedback to AFC (competition, prices, specification targets, etc.).
 - e. Perform field service of AFC products as needed.
 - f. Promote AFC products in distributor's market area.
 - g. Pay AFC invoices within AFC terms.
 - h. To achieve certain sales goals and/or quotas as reasonably established by AFC and distributor from time to time.
8. AFC distributors have unqualified access only to the AFC standard line products as listed in the AFC Price Schedule. On other AFC products, such as special valves and hydrants, distributors do have qualified access, but the prices are on an ad hoc, "Inquiry" basis and special conditions may apply.
9. AFC policy is to sell only to distributors who stock and resell AFC products to ultimate users (e.g., industries, municipalities, public and private water utilities, water and sewer contractors). AFC distributors shall not sell AFC products for resale (i.e., shall not sell to other supply houses) unless the buyer (other supply houses) is also an authorized AFC distributor. AFC reserves the right to reject future purchase orders from any distributor that violates this policy unless specific prior written permission from AFC to the distributor was granted to sell a particular order or product for resale.
10. AFC reserves the right to refuse to quote or sell to any distributor any particular product, project or inquiry, and to withdraw recognition of any distributor as an authorized AFC distributor at any time and for any reason. AFC also reserves the right to refuse to deal with any person for any reason whatsoever.
11. AFC is committed to a planned program of selective distribution, and, as such, markets its products through authorized distributors or on a direct basis. Access to AFC products is denied to any distributor who does not have authorized distributor credentials.

O
C
W
U
T
0
0
0
3
2

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

AWWA Fire Hydrants - 5-1/4" Main Valve Opening

AMERICAN-DARLING B84B OR B62B WITH 2-HOSE NOZZLES AND 1-PUMPER NOZZLE

| DEPTH OF TRENCH | *6" FLANGE BASE | 4" or 6" MJ BASE L/ ACC | 4" or 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON BASE W/ GASKET | 6" PLAIN-END | **6" FLG VERTICAL BASE | 6" ALPHA™ BASE | 8" MJ BASE L/ ACC | 8" MJ BASE W/ ACC |
|-----------------|-----------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------|------------------------|----------------|-------------------|-------------------|
| 3' 0" & Less | \$5,497 | \$5,497 | \$5,594 | \$5,500 | \$5,558 | \$5,594 | \$6,030 | POA | \$5,710 | \$5,765 |
| 3' 6" | \$5,631 | \$5,631 | \$5,728 | \$5,634 | \$5,692 | \$5,728 | \$6,164 | POA | \$5,844 | \$5,899 |
| 4' 0" | \$5,765 | \$5,765 | \$5,862 | \$5,768 | \$5,826 | \$5,862 | \$6,298 | POA | \$5,978 | \$6,033 |
| 4' 6" | \$5,899 | \$5,899 | \$5,996 | \$5,902 | \$5,960 | \$5,996 | \$6,432 | POA | \$6,112 | \$6,167 |
| 5' 0" | \$6,033 | \$6,033 | \$6,130 | \$6,036 | \$6,094 | \$6,130 | \$6,566 | POA | \$6,246 | \$6,301 |
| 5' 6" | \$6,167 | \$6,167 | \$6,264 | \$6,170 | \$6,228 | \$6,264 | \$6,700 | POA | \$6,380 | \$6,435 |
| 6' 0" | \$6,301 | \$6,301 | \$6,398 | \$6,304 | \$6,362 | \$6,398 | \$6,834 | POA | \$6,514 | \$6,569 |
| 6' 6" | \$6,435 | \$6,435 | \$6,532 | \$6,438 | \$6,496 | \$6,532 | \$6,968 | POA | \$6,648 | \$6,703 |
| 7' 0" | \$6,569 | \$6,569 | \$6,666 | \$6,572 | \$6,630 | \$6,666 | \$7,102 | POA | \$6,782 | \$6,837 |
| 7' 6" | \$6,703 | \$6,703 | \$6,800 | \$6,706 | \$6,764 | \$6,800 | \$7,236 | POA | \$6,916 | \$6,971 |
| 8' 0" | \$6,837 | \$6,837 | \$6,934 | \$6,840 | \$6,898 | \$6,934 | \$7,370 | POA | \$7,050 | \$7,105 |
| 8' 6" | \$6,971 | \$6,971 | \$7,068 | \$6,974 | \$7,032 | \$7,068 | \$7,504 | POA | \$7,184 | \$7,239 |
| 9' 0" | \$7,105 | \$7,105 | \$7,202 | \$7,108 | \$7,166 | \$7,202 | \$7,638 | POA | \$7,318 | \$7,373 |
| 9' 6" | \$7,239 | \$7,239 | \$7,336 | \$7,242 | \$7,300 | \$7,336 | \$7,772 | POA | \$7,452 | \$7,507 |
| 10' 0" | \$7,373 | \$7,373 | \$7,470 | \$7,376 | \$7,434 | \$7,470 | \$7,906 | POA | \$7,586 | \$7,641 |
| 10' 6" | \$7,507 | \$7,507 | \$7,604 | \$7,510 | \$7,568 | \$7,604 | \$8,040 | POA | \$7,720 | \$7,775 |
| 11' 0" | \$7,641 | \$7,641 | \$7,738 | \$7,644 | \$7,702 | \$7,738 | \$8,174 | POA | \$7,854 | \$7,909 |
| 11' 6" | \$7,775 | \$7,775 | \$7,872 | \$7,778 | \$7,836 | \$7,872 | \$8,308 | POA | \$7,988 | \$8,043 |

WATEROUS PACER (WB67-250 & W67-250) WITH 2-HOSE NOZZLES AND 1-PUMPER NOZZLE

| DEPTH OF TRENCH | 6" FLANGE BASE | 4" or 6" MJ BASE L/ ACC | 4" or 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON or PVC BASE W/ GASKET | 6" PLAIN-END | **6" FLG VERTICAL BASE | 6" ALPHA™ BASE | 8" MJ BASE L/ ACC | 8" MJ BASE W/ ACC |
|-----------------|----------------|-------------------------|-------------------------|-------------------------|--------------------------------|--------------|------------------------|----------------|-------------------|-------------------|
| 3' 0" & Less | \$5,497 | \$5,497 | \$5,594 | \$5,500 | \$5,558 | \$5,594 | \$6,030 | POA | \$5,710 | \$5,765 |
| 3' 6" | \$5,631 | \$5,631 | \$5,728 | \$5,634 | \$5,692 | \$5,728 | \$6,164 | POA | \$5,844 | \$5,899 |
| 4' 0" | \$5,765 | \$5,765 | \$5,862 | \$5,768 | \$5,826 | \$5,862 | \$6,298 | POA | \$5,978 | \$6,033 |
| 4' 6" | \$5,899 | \$5,899 | \$5,996 | \$5,902 | \$5,960 | \$5,996 | \$6,432 | POA | \$6,112 | \$6,167 |
| 5' 0" | \$6,033 | \$6,033 | \$6,130 | \$6,036 | \$6,094 | \$6,130 | \$6,566 | POA | \$6,246 | \$6,301 |
| 5' 6" | \$6,167 | \$6,167 | \$6,264 | \$6,170 | \$6,228 | \$6,264 | \$6,700 | POA | \$6,380 | \$6,435 |
| 6' 0" | \$6,301 | \$6,301 | \$6,398 | \$6,304 | \$6,362 | \$6,398 | \$6,834 | POA | \$6,514 | \$6,569 |
| 6' 6" | \$6,435 | \$6,435 | \$6,532 | \$6,438 | \$6,496 | \$6,532 | \$6,968 | POA | \$6,648 | \$6,703 |
| 7' 0" | \$6,569 | \$6,569 | \$6,666 | \$6,572 | \$6,630 | \$6,666 | \$7,102 | POA | \$6,782 | \$6,837 |
| 7' 6" | \$6,703 | \$6,703 | \$6,800 | \$6,706 | \$6,764 | \$6,800 | \$7,236 | POA | \$6,916 | \$6,971 |
| 8' 0" | \$6,837 | \$6,837 | \$6,934 | \$6,840 | \$6,898 | \$6,934 | \$7,370 | POA | \$7,050 | \$7,105 |
| 8' 6" | \$6,971 | \$6,971 | \$7,068 | \$6,974 | \$7,032 | \$7,068 | \$7,504 | POA | \$7,184 | \$7,239 |
| 9' 0" | \$7,105 | \$7,105 | \$7,202 | \$7,108 | \$7,166 | \$7,202 | \$7,638 | POA | \$7,318 | \$7,373 |
| 9' 6" | \$7,239 | \$7,239 | \$7,336 | \$7,242 | \$7,300 | \$7,336 | \$7,772 | POA | \$7,452 | \$7,507 |
| 10' 0" | \$7,373 | \$7,373 | \$7,470 | \$7,376 | \$7,434 | \$7,470 | \$7,906 | POA | \$7,586 | \$7,641 |
| 10' 6" | \$7,507 | \$7,507 | \$7,604 | \$7,510 | \$7,568 | \$7,604 | \$8,040 | POA | \$7,720 | \$7,775 |
| 11' 0" | \$7,641 | \$7,641 | \$7,738 | \$7,644 | \$7,702 | \$7,738 | \$8,174 | POA | \$7,854 | \$7,909 |
| 11' 6" | \$7,775 | \$7,775 | \$7,872 | \$7,778 | \$7,836 | \$7,872 | \$8,308 | POA | \$7,988 | \$8,043 |

Add for each 6" increase in Depth of Trench (up to 11'6") 5-1/4" Hydrant - \$134

Pacer Only: For trench depths longer than 11'6", a bottom extension is required (see below).**Classic Pacer Hydrant** - Add \$80 NET value to discounted price of Pacer 250.**B62B Only:** For extended upper barrel (20" groundline to pumper) add \$145 to List Price.

* 4" Flange Base is available for 5 1/4" B84B only.

** 6" Flange Traverse City conversion base for Pacer 250 or Darling B50B conversion base for B84B or B62B is available at Vertical Base price.

LIST ADDERS FOR ALL HYDRANTS

| | |
|------------------------------------|---------------------------|
| 304 S.S. Bolts Above Groundline | \$68 |
| 316 S.S. Base Bolts | \$147 |
| 316 S.S. Bolts Above Groundline | \$147 |
| Integral Storz Nozzle | (4") \$744 (5") \$875 |
| Integral Storz Nozzle w/Thumb Lock | (4") \$1,060 (5") \$1,158 |
| Captivator Hose Cap (Each) | \$492 |
| Captivator Pumper Cap (Each) | \$945 |

LIST ADDERS FOR B84B & B62B HYDRANTS

| | |
|--------------------------|-------|
| Operating Nut Weathercap | \$74 |
| Tamper Resistant Cover | \$147 |

LIST ADDERS FOR PACER 250 HYDRANT

| | |
|---|---------|
| Bronze Piloted Upper Washer | \$74 |
| Traffic Sections Longer than 10" (per 6") | \$134 |
| Tamper Resistant Cover | \$98 |
| Bottom Extension - 12" | \$3,642 |
| Add for each additional 6" | \$134 |
| Vented Hose Caps (Each) | \$72 |

NO CHARGE OPTIONAL FEATURES FOR PACER 250 HYDRANT

| |
|--------------------------------|
| Weathershield |
| One Piece Bronze Operating Nut |
| Plugged Drains |

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

AWWA Fire Hydrants - 5-1/4" Main Valve Opening

AMERICAN-DARLING B84B WITH 2-HOSE NOZZLES

| DEPTH OF TRENCH | 4" OR 6" FLANGE BASE | 4" or 6" MJ BASE L/ ACC | 4" or 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON BASE W/ GASKET | 6" PLAIN-END | *6" FLG VERTICAL BASE | 6" ALPHA™ BASE | 8" MJ BASE L/ ACC | 8" MJ BASE W/ ACC |
|-----------------|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------|-----------------------|----------------|-------------------|-------------------|
| 3'0" & Less | \$4,980 | \$4,980 | \$5,077 | \$4,983 | \$5,040 | \$5,077 | \$5,513 | POA | \$5,193 | \$5,248 |
| 3' 6" | \$5,114 | \$5,114 | \$5,211 | \$5,117 | \$5,174 | \$5,211 | \$5,647 | POA | \$5,327 | \$5,382 |
| 4' 0" | \$5,248 | \$5,248 | \$5,345 | \$5,251 | \$5,308 | \$5,345 | \$5,781 | POA | \$5,461 | \$5,516 |
| 4' 6" | \$5,382 | \$5,382 | \$5,479 | \$5,385 | \$5,442 | \$5,479 | \$5,915 | POA | \$5,595 | \$5,650 |
| 5' 0" | \$5,516 | \$5,516 | \$5,613 | \$5,519 | \$5,576 | \$5,613 | \$6,049 | POA | \$5,729 | \$5,784 |
| 5' 6" | \$5,650 | \$5,650 | \$5,747 | \$5,653 | \$5,710 | \$5,747 | \$6,183 | POA | \$5,863 | \$5,918 |
| 6' 0" | \$5,784 | \$5,784 | \$5,881 | \$5,787 | \$5,844 | \$5,881 | \$6,317 | POA | \$5,997 | \$6,052 |
| 6' 6" | \$5,918 | \$5,918 | \$6,015 | \$5,921 | \$5,978 | \$6,015 | \$6,451 | POA | \$6,131 | \$6,186 |
| 7' 0" | \$6,052 | \$6,052 | \$6,149 | \$6,055 | \$6,112 | \$6,149 | \$6,585 | POA | \$6,265 | \$6,320 |
| 7' 6" | \$6,186 | \$6,186 | \$6,283 | \$6,189 | \$6,246 | \$6,283 | \$6,719 | POA | \$6,399 | \$6,454 |
| 8' 0" | \$6,320 | \$6,320 | \$6,417 | \$6,323 | \$6,380 | \$6,417 | \$6,853 | POA | \$6,533 | \$6,588 |
| 8' 6" | \$6,454 | \$6,454 | \$6,551 | \$6,457 | \$6,514 | \$6,551 | \$6,987 | POA | \$6,667 | \$6,722 |
| 9' 0" | \$6,588 | \$6,588 | \$6,685 | \$6,591 | \$6,648 | \$6,685 | \$7,121 | POA | \$6,801 | \$6,856 |
| 9' 6" | \$6,722 | \$6,722 | \$6,819 | \$6,725 | \$6,782 | \$6,819 | \$7,255 | POA | \$6,935 | \$6,990 |
| 10' 0" | \$6,856 | \$6,856 | \$6,953 | \$6,859 | \$6,916 | \$6,953 | \$7,389 | POA | \$7,069 | \$7,124 |
| 10' 6" | \$6,990 | \$6,990 | \$7,087 | \$6,993 | \$7,050 | \$7,087 | \$7,523 | POA | \$7,203 | \$7,258 |
| 11' 0" | \$7,124 | \$7,124 | \$7,221 | \$7,127 | \$7,184 | \$7,221 | \$7,657 | POA | \$7,337 | \$7,392 |
| 11' 6" | \$7,258 | \$7,258 | \$7,355 | \$7,261 | \$7,318 | \$7,355 | \$7,791 | POA | \$7,471 | \$7,526 |

WATEROUS PACER 250 (WB67-250 & W67-250) WITH 2-HOSE NOZZLES

| DEPTH OF TRENCH | 6" FLANGE BASE | 4" or 6" MJ BASE L/ ACC | 4" or 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON or PVC BASE W/ GASKET | 6" PLAIN-END | **6" FLG VERTICAL BASE | 6" ALPHA™ BASE | 8" MJ BASE L/ ACC | 8" MJ BASE W/ ACC |
|-----------------|----------------|-------------------------|-------------------------|-------------------------|--------------------------------|--------------|------------------------|----------------|-------------------|-------------------|
| 3'0" & Less | \$4,980 | \$4,980 | \$5,077 | \$4,983 | \$5,040 | \$5,077 | \$5,513 | POA | \$5,193 | \$5,248 |
| 3' 6" | \$5,114 | \$5,114 | \$5,211 | \$5,117 | \$5,174 | \$5,211 | \$5,647 | POA | \$5,327 | \$5,382 |
| 4' 0" | \$5,248 | \$5,248 | \$5,345 | \$5,251 | \$5,308 | \$5,345 | \$5,781 | POA | \$5,461 | \$5,516 |
| 4' 6" | \$5,382 | \$5,382 | \$5,479 | \$5,385 | \$5,442 | \$5,479 | \$5,915 | POA | \$5,595 | \$5,650 |
| 5' 0" | \$5,516 | \$5,516 | \$5,613 | \$5,519 | \$5,576 | \$5,613 | \$6,049 | POA | \$5,729 | \$5,784 |
| 5' 6" | \$5,650 | \$5,650 | \$5,747 | \$5,653 | \$5,710 | \$5,747 | \$6,183 | POA | \$5,863 | \$5,918 |
| 6' 0" | \$5,784 | \$5,784 | \$5,881 | \$5,787 | \$5,844 | \$5,881 | \$6,317 | POA | \$5,997 | \$6,052 |
| 6' 6" | \$5,918 | \$5,918 | \$6,015 | \$5,921 | \$5,978 | \$6,015 | \$6,451 | POA | \$6,131 | \$6,186 |
| 7' 0" | \$6,052 | \$6,052 | \$6,149 | \$6,055 | \$6,112 | \$6,149 | \$6,585 | POA | \$6,265 | \$6,320 |
| 7' 6" | \$6,186 | \$6,186 | \$6,283 | \$6,189 | \$6,246 | \$6,283 | \$6,719 | POA | \$6,399 | \$6,454 |
| 8' 0" | \$6,320 | \$6,320 | \$6,417 | \$6,323 | \$6,380 | \$6,417 | \$6,853 | POA | \$6,533 | \$6,588 |
| 8' 6" | \$6,454 | \$6,454 | \$6,551 | \$6,457 | \$6,514 | \$6,551 | \$6,987 | POA | \$6,667 | \$6,722 |
| 9' 0" | \$6,588 | \$6,588 | \$6,685 | \$6,591 | \$6,648 | \$6,685 | \$7,121 | POA | \$6,801 | \$6,856 |
| 9' 6" | \$6,722 | \$6,722 | \$6,819 | \$6,725 | \$6,782 | \$6,819 | \$7,255 | POA | \$6,935 | \$6,990 |
| 10' 0" | \$6,856 | \$6,856 | \$6,953 | \$6,859 | \$6,916 | \$6,953 | \$7,389 | POA | \$7,069 | \$7,124 |
| 10' 6" | \$6,990 | \$6,990 | \$7,087 | \$6,993 | \$7,050 | \$7,087 | \$7,523 | POA | \$7,203 | \$7,258 |
| 11' 0" | \$7,124 | \$7,124 | \$7,221 | \$7,127 | \$7,184 | \$7,221 | \$7,657 | POA | \$7,337 | \$7,392 |
| 11' 6" | \$7,258 | \$7,258 | \$7,355 | \$7,261 | \$7,318 | \$7,355 | \$7,791 | POA | \$7,471 | \$7,526 |

Add for each 6" increase in Depth of Trench (up to 11'6") 5-1/4" Hydrant - \$134

Pacer Only: For trench depths longer than 11'6", a bottom extension is required (see below).

** 6" Flange Traverse City conversion base for Pacer 250 or Darling B50B conversion base for B84B or B62B is available at Vertical Base price.

LIST ADDERS FOR ALL HYDRANTS

| | |
|---------------------------------|-------|
| 304 S.S. Bolts Above Groundline | \$68 |
| 316 S.S. Base Bolts | \$147 |
| 316 S.S. Bolts Above Groundline | \$147 |
| Captivator Hose Cap (Each) | \$492 |

LIST ADDERS FOR B84B HYDRANTS

| | |
|--------------------------|-------|
| Operating Nut Weathercap | \$74 |
| Tamper Resistant Cover | \$147 |

LIST ADDERS FOR PACER 250 HYDRANT

| | |
|--|---------|
| Bronze Piloted Upper Washer | \$74 |
| Tamper Sections Longer than 10" (per 6") | \$134 |
| Tamper Resistant Cover | \$98 |
| Bottom Extension - 12" | \$3,642 |
| Add for each additional 6" | \$134 |
| Vented Hose Caps (Each) | \$72 |

NO CHARGE OPTIONAL FEATURES FOR PACER 250 HYDRANT

Weathershield
 One Piece Bronze Operating Nut
 Plugged Drains

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY**AWWA Fire Hydrants - 4¹/₂"-4³/₄" Main Valve Opening****AMERICAN-DARLING MARK-73 WITH 2-HOSE NOZZLES AND 1-PUMPER NOZZLE**

| DEPTH OF TRENCH | 4" OR 6" FLANGE BASE | 4" or 6" MJ BASE L/ ACC | 4" or 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON BASE W/ GASKET | 6" PLAIN-END | 6" FLG VERTICAL BASE | 6" ALPHA™ BASE | 8" MJ BASE L/ ACC | 8" MJ BASE W/ ACC |
|-----------------|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------|----------------------|----------------|-------------------|-------------------|
| 3' 0" & Less | \$5,311 | \$5,311 | \$5,408 | \$5,313 | \$5,371 | \$5,408 | \$5,844 | POA | \$5,523 | \$5,579 |
| 3' 6" | \$5,414 | \$5,414 | \$5,511 | \$5,416 | \$5,474 | \$5,511 | \$5,947 | POA | \$5,626 | \$5,682 |
| 4' 0" | \$5,517 | \$5,517 | \$5,614 | \$5,519 | \$5,577 | \$5,614 | \$6,050 | POA | \$5,729 | \$5,785 |
| 4' 6" | \$5,620 | \$5,620 | \$5,717 | \$5,622 | \$5,680 | \$5,717 | \$6,153 | POA | \$5,832 | \$5,888 |
| 5' 0" | \$5,723 | \$5,723 | \$5,820 | \$5,725 | \$5,783 | \$5,820 | \$6,256 | POA | \$5,935 | \$5,991 |
| 5' 6" | \$5,826 | \$5,826 | \$5,923 | \$5,828 | \$5,886 | \$5,923 | \$6,359 | POA | \$6,038 | \$6,094 |
| 6' 0" | \$5,929 | \$5,929 | \$6,026 | \$5,931 | \$5,989 | \$6,026 | \$6,462 | POA | \$6,141 | \$6,197 |
| 6' 6" | \$6,032 | \$6,032 | \$6,129 | \$6,034 | \$6,092 | \$6,129 | \$6,565 | POA | \$6,244 | \$6,300 |
| 7' 0" | \$6,135 | \$6,135 | \$6,232 | \$6,137 | \$6,195 | \$6,232 | \$6,668 | POA | \$6,347 | \$6,403 |
| 7' 6" | \$6,238 | \$6,238 | \$6,335 | \$6,240 | \$6,298 | \$6,335 | \$6,771 | POA | \$6,450 | \$6,506 |
| 8' 0" | \$6,341 | \$6,341 | \$6,438 | \$6,343 | \$6,401 | \$6,438 | \$6,874 | POA | \$6,553 | \$6,609 |
| 8' 6" | \$6,444 | \$6,444 | \$6,541 | \$6,446 | \$6,504 | \$6,541 | \$6,977 | POA | \$6,656 | \$6,712 |
| 9' 0" | \$6,547 | \$6,547 | \$6,644 | \$6,549 | \$6,607 | \$6,644 | \$7,080 | POA | \$6,759 | \$6,815 |
| 9' 6" | \$6,650 | \$6,650 | \$6,747 | \$6,652 | \$6,710 | \$6,747 | \$7,183 | POA | \$6,862 | \$6,918 |
| 10' 0" | \$6,753 | \$6,753 | \$6,850 | \$6,755 | \$6,813 | \$6,850 | \$7,286 | POA | \$6,965 | \$7,021 |
| 10' 6" | \$6,856 | \$6,856 | \$6,953 | \$6,858 | \$6,916 | \$6,953 | \$7,389 | POA | \$7,068 | \$7,124 |
| 11' 0" | \$6,959 | \$6,959 | \$7,056 | \$6,961 | \$7,019 | \$7,056 | \$7,492 | POA | \$7,171 | \$7,227 |
| 11' 6" | \$7,062 | \$7,062 | \$7,159 | \$7,064 | \$7,122 | \$7,159 | \$7,595 | POA | \$7,274 | \$7,330 |

WATEROUS TREND (WB77-1) WITH 2-HOSE NOZZLES AND 1-PUMPER NOZZLE

| DEPTH OF TRENCH | 6" FLANGE BASE | 4" or 6" MJ BASE L/ ACC | 4" or 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON or PVC BASE W/ GASKET | 6" PLAIN-END | *6" FLG VERTICAL BASE | 6" ALPHA™ BASE | 8" MJ BASE L/ ACC | 8" MJ BASE W/ ACC |
|-----------------|----------------|-------------------------|-------------------------|-------------------------|--------------------------------|--------------|-----------------------|----------------|-------------------|-------------------|
| 3' 0" & Less | \$5,311 | \$5,311 | \$5,408 | \$5,313 | \$5,371 | \$5,408 | \$5,844 | POA | \$5,523 | \$5,579 |
| 3' 6" | \$5,414 | \$5,414 | \$5,511 | \$5,416 | \$5,474 | \$5,511 | \$5,947 | POA | \$5,626 | \$5,682 |
| 4' 0" | \$5,517 | \$5,517 | \$5,614 | \$5,519 | \$5,577 | \$5,614 | \$6,050 | POA | \$5,729 | \$5,785 |
| 4' 6" | \$5,620 | \$5,620 | \$5,717 | \$5,622 | \$5,680 | \$5,717 | \$6,153 | POA | \$5,832 | \$5,888 |
| 5' 0" | \$5,723 | \$5,723 | \$5,820 | \$5,725 | \$5,783 | \$5,820 | \$6,256 | POA | \$5,935 | \$5,991 |
| 5' 6" | \$5,826 | \$5,826 | \$5,923 | \$5,828 | \$5,886 | \$5,923 | \$6,359 | POA | \$6,038 | \$6,094 |
| 6' 0" | \$5,929 | \$5,929 | \$6,026 | \$5,931 | \$5,989 | \$6,026 | \$6,462 | POA | \$6,141 | \$6,197 |
| 6' 6" | \$6,032 | \$6,032 | \$6,129 | \$6,034 | \$6,092 | \$6,129 | \$6,565 | POA | \$6,244 | \$6,300 |
| 7' 0" | \$6,135 | \$6,135 | \$6,232 | \$6,137 | \$6,195 | \$6,232 | \$6,668 | POA | \$6,347 | \$6,403 |
| 7' 6" | \$6,238 | \$6,238 | \$6,335 | \$6,240 | \$6,298 | \$6,335 | \$6,771 | POA | \$6,450 | \$6,506 |
| 8' 0" | \$6,341 | \$6,341 | \$6,438 | \$6,343 | \$6,401 | \$6,438 | \$6,874 | POA | \$6,553 | \$6,609 |
| 8' 6" | \$6,444 | \$6,444 | \$6,541 | \$6,446 | \$6,504 | \$6,541 | \$6,977 | POA | \$6,656 | \$6,712 |
| 9' 0" | \$6,547 | \$6,547 | \$6,644 | \$6,549 | \$6,607 | \$6,644 | \$7,080 | POA | \$6,759 | \$6,815 |
| 9' 6" | \$6,650 | \$6,650 | \$6,747 | \$6,652 | \$6,710 | \$6,747 | \$7,183 | POA | \$6,862 | \$6,918 |
| 10' 0" | \$6,753 | \$6,753 | \$6,850 | \$6,755 | \$6,813 | \$6,850 | \$7,286 | POA | \$6,965 | \$7,021 |
| 10' 6" | \$6,856 | \$6,856 | \$6,953 | \$6,858 | \$6,916 | \$6,953 | \$7,389 | POA | \$7,068 | \$7,124 |
| 11' 0" | \$6,959 | \$6,959 | \$7,056 | \$6,961 | \$7,019 | \$7,056 | \$7,492 | POA | \$7,171 | \$7,227 |
| 11' 6" | \$7,062 | \$7,062 | \$7,159 | \$7,064 | \$7,122 | \$7,159 | \$7,595 | POA | \$7,274 | \$7,330 |

Add for each 6" increase in Depth of Trench (up to 11'6") 4¹/₂"-4³/₄" Hydrant - \$103**Trend Only:** For trench depths longer than 11'6", a bottom extension is required (see below).

* 6" Flange Traverse City conversion base for Trend (WB77-1) available at Vertical Base price.

LIST ADDERS FOR ALL HYDRANTS

| | |
|------------------------------------|---------------------------|
| 304 S.S. Bolts Above Groundline | \$68 |
| 316 S.S. Base Bolts | \$147 |
| 316 S.S. Bolts Above Groundline | \$147 |
| Integral Storz Nozzle | (4") \$744 (5") \$875 |
| Integral Storz Nozzle w/Thumb Lock | (4") \$1,060 (5") \$1,158 |
| Captivator Hose Cap (Each) | \$492 |
| Captivator Pumper Cap (Each) | \$945 |

LIST ADDERS FOR MARK-73 HYDRANT

| | |
|--------------------------|-------|
| Operating Nut Weathercap | \$74 |
| Tamper Resistant Cover | \$147 |

LIST ADDERS FOR TREND HYDRANT

| | |
|---|---------|
| Epoxy Coated Upper Washer | \$30 |
| Bronze Piloted Upper Washer | \$74 |
| Traffic Sections Longer than 10" (per 6") | \$103 |
| Bottom Extension - 12" | \$2,081 |
| Vented Hose Caps (Each) | \$72 |
| Bottom Extension - 12" | \$3,642 |
| Add for each additional 6" | \$103 |

NO CHARGE OPTIONAL FEATURES FOR TREND WB77-1 HYDRANT

| |
|--------------------------------|
| Weathershield |
| One Piece Bronze Operating Nut |
| Plugged Drains |

**AWWA Fire Hydrants - 4¹/₂"-4³/₄" Main Valve Opening****AMERICAN-DARLING MARK-73 WITH 2-HOSE NOZZLES**

| DEPTH OF TRENCH | 4" or 6" FLANGE BASE | 4" or 6" MJ BASE L/ ACC | 4" or 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON BASE W/ GASKET | 6" PLAIN-END | 6" FLG VERTICAL BASE | 6" ALPHA™ BASE | 8" MJ BASE L/ ACC | 8" MJ BASE W/ ACC |
|-----------------|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------|----------------------|----------------|-------------------|-------------------|
| 3'0" & Less | \$4,744 | \$4,744 | \$4,841 | \$4,746 | \$4,804 | \$4,841 | \$5,277 | POA | \$4,956 | \$5,012 |
| 3' 6" | \$4,847 | \$4,847 | \$4,944 | \$4,849 | \$4,907 | \$4,944 | \$5,380 | POA | \$5,059 | \$5,115 |
| 4' 0" | \$4,950 | \$4,950 | \$5,047 | \$4,952 | \$5,010 | \$5,047 | \$5,483 | POA | \$5,162 | \$5,218 |
| 4' 6" | \$5,053 | \$5,053 | \$5,150 | \$5,055 | \$5,113 | \$5,150 | \$5,586 | POA | \$5,265 | \$5,321 |
| 5' 0" | \$5,156 | \$5,156 | \$5,253 | \$5,158 | \$5,216 | \$5,253 | \$5,689 | POA | \$5,368 | \$5,424 |
| 5' 6" | \$5,259 | \$5,259 | \$5,356 | \$5,261 | \$5,319 | \$5,356 | \$5,792 | POA | \$5,471 | \$5,527 |
| 6' 0" | \$5,362 | \$5,362 | \$5,459 | \$5,364 | \$5,422 | \$5,459 | \$5,895 | POA | \$5,574 | \$5,630 |
| 6' 6" | \$5,465 | \$5,465 | \$5,562 | \$5,467 | \$5,525 | \$5,562 | \$5,998 | POA | \$5,677 | \$5,733 |
| 7' 0" | \$5,568 | \$5,568 | \$5,665 | \$5,570 | \$5,628 | \$5,665 | \$6,101 | POA | \$5,780 | \$5,836 |
| 7' 6" | \$5,671 | \$5,671 | \$5,768 | \$5,673 | \$5,731 | \$5,768 | \$6,204 | POA | \$5,883 | \$5,939 |
| 8' 0" | \$5,774 | \$5,774 | \$5,871 | \$5,776 | \$5,834 | \$5,871 | \$6,307 | POA | \$5,986 | \$6,042 |
| 8' 6" | \$5,877 | \$5,877 | \$5,974 | \$5,879 | \$5,937 | \$5,974 | \$6,410 | POA | \$6,089 | \$6,145 |
| 9' 0" | \$5,980 | \$5,980 | \$6,077 | \$5,982 | \$6,040 | \$6,077 | \$6,513 | POA | \$6,192 | \$6,248 |
| 9' 6" | \$6,083 | \$6,083 | \$6,180 | \$6,085 | \$6,143 | \$6,180 | \$6,616 | POA | \$6,295 | \$6,351 |
| 10' 0" | \$6,186 | \$6,186 | \$6,283 | \$6,188 | \$6,246 | \$6,283 | \$6,719 | POA | \$6,398 | \$6,454 |
| 10' 6" | \$6,289 | \$6,289 | \$6,386 | \$6,291 | \$6,349 | \$6,386 | \$6,822 | POA | \$6,501 | \$6,557 |
| 11' 0" | \$6,392 | \$6,392 | \$6,489 | \$6,394 | \$6,452 | \$6,489 | \$6,925 | POA | \$6,604 | \$6,660 |
| 11' 6" | \$6,495 | \$6,495 | \$6,592 | \$6,497 | \$6,555 | \$6,592 | \$7,028 | POA | \$6,707 | \$6,763 |

WATEROUS TREND (WB77-1) WITH 2-HOSE NOZZLES

| DEPTH OF TRENCH | 6" FLANGE BASE | 4" or 6" MJ BASE L/ ACC | 4" or 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON BASE W/ GASKET | 6" PLAIN-END | *6" FLG VERTICAL BASE | 6" ALPHA™ BASE | 8" MJ BASE L/ ACC | 8" MJ BASE W/ ACC |
|-----------------|----------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------|-----------------------|----------------|-------------------|-------------------|
| 3'0" & Less | \$4,744 | \$4,744 | \$4,841 | \$4,746 | \$4,804 | \$4,841 | \$5,277 | POA | \$4,956 | \$5,012 |
| 3' 6" | \$4,847 | \$4,847 | \$4,944 | \$4,849 | \$4,907 | \$4,944 | \$5,380 | POA | \$5,059 | \$5,115 |
| 4' 0" | \$4,950 | \$4,950 | \$5,047 | \$4,952 | \$5,010 | \$5,047 | \$5,483 | POA | \$5,162 | \$5,218 |
| 4' 6" | \$5,053 | \$5,053 | \$5,150 | \$5,055 | \$5,113 | \$5,150 | \$5,586 | POA | \$5,265 | \$5,321 |
| 5' 0" | \$5,156 | \$5,156 | \$5,253 | \$5,158 | \$5,216 | \$5,253 | \$5,689 | POA | \$5,368 | \$5,424 |
| 5' 6" | \$5,259 | \$5,259 | \$5,356 | \$5,261 | \$5,319 | \$5,356 | \$5,792 | POA | \$5,471 | \$5,527 |
| 6' 0" | \$5,362 | \$5,362 | \$5,459 | \$5,364 | \$5,422 | \$5,459 | \$5,895 | POA | \$5,574 | \$5,630 |
| 6' 6" | \$5,465 | \$5,465 | \$5,562 | \$5,467 | \$5,525 | \$5,562 | \$5,998 | POA | \$5,677 | \$5,733 |
| 7' 0" | \$5,568 | \$5,568 | \$5,665 | \$5,570 | \$5,628 | \$5,665 | \$6,101 | POA | \$5,780 | \$5,836 |
| 7' 6" | \$5,671 | \$5,671 | \$5,768 | \$5,673 | \$5,731 | \$5,768 | \$6,204 | POA | \$5,883 | \$5,939 |
| 8' 0" | \$5,774 | \$5,774 | \$5,871 | \$5,776 | \$5,834 | \$5,871 | \$6,307 | POA | \$5,986 | \$6,042 |
| 8' 6" | \$5,877 | \$5,877 | \$5,974 | \$5,879 | \$5,937 | \$5,974 | \$6,410 | POA | \$6,089 | \$6,145 |
| 9' 0" | \$5,980 | \$5,980 | \$6,077 | \$5,982 | \$6,040 | \$6,077 | \$6,513 | POA | \$6,192 | \$6,248 |
| 9' 6" | \$6,083 | \$6,083 | \$6,180 | \$6,085 | \$6,143 | \$6,180 | \$6,616 | POA | \$6,295 | \$6,351 |
| 10' 0" | \$6,186 | \$6,186 | \$6,283 | \$6,188 | \$6,246 | \$6,283 | \$6,719 | POA | \$6,398 | \$6,454 |
| 10' 6" | \$6,289 | \$6,289 | \$6,386 | \$6,291 | \$6,349 | \$6,386 | \$6,822 | POA | \$6,501 | \$6,557 |
| 11' 0" | \$6,392 | \$6,392 | \$6,489 | \$6,394 | \$6,452 | \$6,489 | \$6,925 | POA | \$6,604 | \$6,660 |
| 11' 6" | \$6,495 | \$6,495 | \$6,592 | \$6,497 | \$6,555 | \$6,592 | \$7,028 | POA | \$6,707 | \$6,763 |

Add for each 6" increase in Depth of Trench (up to 11'6") 4¹/₂"-4³/₄" Hydrant - \$103**Trend Only:** For trench depths longer than 11'6", a bottom extension is required (see below).

* 6" Flange Traverse City conversion base for Trend (WB77-1) available at Vertical Base price.

LIST ADDERS FOR ALL HYDRANTS

| | |
|---------------------------------|-------|
| 304 S.S. Bolts Above Groundline | \$68 |
| 316 S.S. Base Bolts | \$147 |
| 316 S.S. Bolts Above Groundline | \$147 |
| Captivator Hose Cap (Each) | \$492 |

LIST ADDERS FOR MARK-73 HYDRANTS

| | |
|--------------------------|-------|
| Operating Nut Weathercap | \$74 |
| Tamper Resistant Cover | \$147 |

LIST ADDERS FOR TREND HYDRANT

| | |
|---|---------|
| Epoxy Coated Upper Washer | \$30 |
| Bronze Piloted Upper Washer | \$74 |
| Traffic Sections Longer than 10" (per 6") | \$103 |
| Bottom Extension - 12" | \$2,081 |
| Vented Hose Caps (Each) | \$72 |
| Bottom Extension - 12" | \$3,642 |
| Add for each additional 6" | \$103 |

NO CHARGE OPTIONAL FEATURES FOR TREND WB77-1 HYDRANT

| |
|--------------------------------|
| Weathershield |
| One Piece Bronze Operating Nut |
| Plugged Drains |

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

Other Hydrant Configurations

AMERICAN-DARLING B62B OR WATEROUS PACER WITH 2-PUMPER NOZZLES

| DEPTH OF TRENCH | 6" FLANGE BASE | 4" or 6" MJ BASE L/ ACC | 4" or 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | *6" TYTON BASE W/ GASKET | **6" FLG VERTICAL BASE | 6" ALPHA™ BASE | 8" MJ BASE L/ ACC | 8" MJ BASE W/ ACC |
|-----------------|----------------|-------------------------|-------------------------|-------------------------|--------------------------|------------------------|----------------|-------------------|-------------------|
| 3'0" & Less | \$5,269 | \$5,269 | \$5,366 | \$5,271 | \$5,329 | \$5,802 | POA | \$5,481 | \$5,537 |
| 3' 6" | \$5,403 | \$5,403 | \$5,500 | \$5,405 | \$5,463 | \$5,936 | POA | \$5,615 | \$5,671 |
| 4' 0" | \$5,537 | \$5,537 | \$5,634 | \$5,539 | \$5,597 | \$6,070 | POA | \$5,749 | \$5,805 |
| 4' 6" | \$5,671 | \$5,671 | \$5,768 | \$5,673 | \$5,731 | \$6,204 | POA | \$5,883 | \$5,939 |
| 5' 0" | \$5,805 | \$5,805 | \$5,902 | \$5,807 | \$5,865 | \$6,338 | POA | \$6,017 | \$6,073 |
| 5' 6" | \$5,939 | \$5,939 | \$6,036 | \$5,941 | \$5,999 | \$6,472 | POA | \$6,151 | \$6,207 |
| 6' 0" | \$6,073 | \$6,073 | \$6,170 | \$6,075 | \$6,133 | \$6,606 | POA | \$6,285 | \$6,341 |
| 6' 6" | \$6,207 | \$6,207 | \$6,304 | \$6,209 | \$6,267 | \$6,740 | POA | \$6,419 | \$6,475 |
| 7' 0" | \$6,341 | \$6,341 | \$6,438 | \$6,343 | \$6,401 | \$6,874 | POA | \$6,553 | \$6,609 |
| 7' 6" | \$6,475 | \$6,475 | \$6,572 | \$6,477 | \$6,535 | \$7,008 | POA | \$6,687 | \$6,743 |
| 8' 0" | \$6,609 | \$6,609 | \$6,706 | \$6,611 | \$6,669 | \$7,142 | POA | \$6,821 | \$6,877 |
| 8' 6" | \$6,743 | \$6,743 | \$6,840 | \$6,745 | \$6,803 | \$7,276 | POA | \$6,955 | \$7,011 |
| 9' 0" | \$6,877 | \$6,877 | \$6,974 | \$6,879 | \$6,937 | \$7,410 | POA | \$7,089 | \$7,145 |
| 9' 6" | \$7,011 | \$7,011 | \$7,108 | \$7,013 | \$7,071 | \$7,544 | POA | \$7,223 | \$7,279 |
| 10' 0" | \$7,145 | \$7,145 | \$7,242 | \$7,147 | \$7,205 | \$7,678 | POA | \$7,357 | \$7,413 |
| 10' 6" | \$7,279 | \$7,279 | \$7,376 | \$7,281 | \$7,339 | \$7,812 | POA | \$7,491 | \$7,547 |
| 11' 0" | \$7,413 | \$7,413 | \$7,510 | \$7,415 | \$7,473 | \$7,946 | POA | \$7,625 | \$7,681 |
| 11' 6" | \$7,547 | \$7,547 | \$7,644 | \$7,549 | \$7,607 | \$8,080 | POA | \$7,759 | \$7,815 |

Add for each 6" increase in Depth of Trench (up to 11'6") for B62B or Pacer Hydrant - \$134

Pacer Only: For trench depths longer than 11'6", a bottom extension is required (see below).

Classic Pacer Hydrant - Add \$80 NET cost to discounted price of Pacer 250.

* 6" PVC Base is available for Pacer 250 only.

** 6" Flange Traverse City conversion base for Pacer 250 or Darling B50B conversion base for B62B is available at Vertical Base price.

B62B Only: For 1-Hose Nozzle and 2-Pumper Nozzles add \$472 to List Price.

AMERICAN-DARLING MARK-73 WITH 1-PUMPER NOZZLE

| DEPTH OF TRENCH | 4" OR 6" FLANGE BASE | 4" or 6" MJ BASE L/ ACC | 4" or 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON BASE W/ GASKET | 6" PLAIN-END | 6" ALPHA™ BASE | 6" FLG VERTICAL BASE |
|-----------------|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------|----------------|----------------------|
| 3'0" & Less | \$4,552 | \$4,552 | \$4,649 | \$4,555 | \$4,613 | \$4,649 | POA | \$5,085 |
| 3' 6" | \$4,655 | \$4,655 | \$4,752 | \$4,658 | \$4,716 | \$4,752 | POA | \$5,188 |
| 4' 0" | \$4,758 | \$4,758 | \$4,855 | \$4,761 | \$4,819 | \$4,855 | POA | \$5,291 |
| 4' 6" | \$4,861 | \$4,861 | \$4,958 | \$4,864 | \$4,922 | \$4,958 | POA | \$5,394 |
| 5' 0" | \$4,964 | \$4,964 | \$5,061 | \$4,967 | \$5,025 | \$5,061 | POA | \$5,497 |
| 5' 6" | \$5,067 | \$5,067 | \$5,164 | \$5,070 | \$5,128 | \$5,164 | POA | \$5,600 |
| 6' 0" | \$5,170 | \$5,170 | \$5,267 | \$5,173 | \$5,231 | \$5,267 | POA | \$5,703 |
| 6' 6" | \$5,273 | \$5,273 | \$5,370 | \$5,276 | \$5,334 | \$5,370 | POA | \$5,806 |
| 7' 0" | \$5,376 | \$5,376 | \$5,473 | \$5,379 | \$5,437 | \$5,473 | POA | \$5,909 |
| 7' 6" | \$5,479 | \$5,479 | \$5,576 | \$5,482 | \$5,540 | \$5,576 | POA | \$6,012 |
| 8' 0" | \$5,582 | \$5,582 | \$5,679 | \$5,585 | \$5,643 | \$5,679 | POA | \$6,115 |
| 8' 6" | \$5,685 | \$5,685 | \$5,782 | \$5,688 | \$5,746 | \$5,782 | POA | \$6,218 |
| 9' 0" | \$5,788 | \$5,788 | \$5,885 | \$5,791 | \$5,849 | \$5,885 | POA | \$6,321 |
| 9' 6" | \$5,891 | \$5,891 | \$5,988 | \$5,894 | \$5,952 | \$5,988 | POA | \$6,424 |
| 10' 0" | \$5,994 | \$5,994 | \$6,091 | \$5,997 | \$6,055 | \$6,091 | POA | \$6,527 |
| 10' 6" | \$6,097 | \$6,097 | \$6,194 | \$6,100 | \$6,158 | \$6,194 | POA | \$6,630 |
| 11' 0" | \$6,200 | \$6,200 | \$6,297 | \$6,203 | \$6,261 | \$6,297 | POA | \$6,733 |
| 11' 6" | \$6,303 | \$6,303 | \$6,400 | \$6,306 | \$6,364 | \$6,400 | POA | \$6,836 |

Add for each 6" increase in Depth of Trench (up to 11'6") 4½" - 4¾" Hydrant - \$103

LIST ADDERS FOR ALL HYDRANTS

| | |
|------------------------------------|---------------------------|
| 304 S.S. Bolts Above Groundline | \$68 |
| 316 S.S. Base Bolts | \$147 |
| 316 S.S. Bolts Above Groundline | \$147 |
| Integral Storz Nozzle | (4") \$744 (5") \$875 |
| Integral Storz Nozzle w/Thumb Lock | (4") \$1,060 (5") \$1,158 |
| Captivator Hose Cap (Each) | \$492 |
| Captivator Pumper Cap (Each) | \$945 |

LIST ADDERS FOR B62B & MK73 HYDRANTS

| | |
|--------------------------|-------|
| Operating Nut Weathercap | \$74 |
| Tamper Resistant Cover | \$147 |

LIST ADDERS FOR Pacer 250 HYDRANTS

| | |
|---|---------|
| Bronze Piloted Upper Washer | \$74 |
| Traffic Sections Longer than 10" (per 6") | \$134 |
| Tamper Resistant Cover | \$98 |
| Bottom Extension - 12" | \$3,642 |
| Add for each additional 6" | \$134 |

NO CHARGE OPTIONAL FEATURES FOR PACER

| |
|--------------------------------|
| 250 HYDRANT |
| Weathershield |
| One Piece Bronze Operating Nut |
| Plugged Drains |



Hydrant Extension Kits

AMERICAN-DARLING VALVE

| | 6" | 12" | 18" | 24" | 30" | 36" | 42" | 48" |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| GROUNDLINE EXTENSION KITS | | | | | | | | |
| 4½" Mark-73 | \$940 | \$1,098 | \$1,250 | \$1,411 | \$1,596 | \$1,775 | \$1,859 | \$1,943 |
| 5¼" B-84-B | \$940 | \$1,098 | \$1,250 | \$1,411 | \$1,596 | \$1,775 | \$1,859 | \$1,943 |
| 6" B-84-B | \$1,049 | \$1,250 | \$1,458 | \$1,673 | \$1,827 | \$1,983 | \$2,067 | \$2,151 |
| 5¼" B-62-B | \$1,049 | \$1,250 | \$1,458 | \$1,673 | \$1,827 | \$1,983 | \$2,067 | \$2,151 |
| 6¼" B-62-B | \$1,365 | \$1,654 | \$1,936 | \$2,156 | \$2,331 | \$2,519 | \$2,603 | \$2,687 |
| 4" & 4½" B-50-B | \$1,049 | \$1,250 | \$1,458 | \$1,673 | \$1,827 | \$1,983 | \$2,067 | \$2,151 |
| 5" B-50-B | \$1,365 | \$1,654 | \$1,936 | \$2,156 | \$2,331 | \$2,519 | \$2,603 | \$2,687 |
| 6" B-50-B | \$1,579 | \$1,894 | \$2,246 | \$2,526 | \$2,720 | \$2,940 | \$3,024 | \$3,108 |
| QUIK-FIX GROUNDLINE EXTENSION KITS | | | | | | | | |
| 5¼" B-62-B | \$1,203 | \$1,448 | \$1,631 | \$1,922 | \$2,015 | \$2,167 | \$2,251 | \$2,335 |
| 6¼" B-62-B | \$1,449 | \$1,796 | \$2,064 | \$2,298 | \$2,772 | \$2,986 | \$3,070 | \$3,154 |
| 4" & 4½" B-50-B | \$1,203 | \$1,448 | \$1,631 | \$1,922 | \$2,015 | \$2,167 | \$2,251 | \$2,335 |
| 5" B-50-B | \$1,449 | \$1,796 | \$2,064 | \$2,298 | \$2,772 | \$2,986 | \$3,070 | \$3,154 |
| BASE EXTENSION KITS | | | | | | | | |
| 5¼" B-62-B | \$860 | \$1,056 | \$1,154 | \$1,397 | \$1,511 | \$1,621 | \$1,705 | \$1,789 |
| 6¼" B-62-B | \$1,119 | \$1,348 | \$1,600 | \$1,789 | \$1,936 | \$2,093 | \$2,177 | \$2,261 |
| 4" & 4½" B-50-B | \$860 | \$1,056 | \$1,154 | \$1,397 | \$1,511 | \$1,621 | \$1,705 | \$1,789 |
| 5" B-50-B | \$1,119 | \$1,348 | \$1,600 | \$1,789 | \$1,936 | \$2,093 | \$2,177 | \$2,261 |
| 6" B-50-B | \$1,218 | \$1,495 | \$1,820 | \$2,057 | \$2,214 | \$2,457 | \$2,541 | \$2,625 |
| Add \$84 for each additional 6". | | | | | | | | |
| Add \$46 if 304 S.S. bolts are required. | | | | | | | | |
| Add \$74 if 316 S.S. bolts are required. | | | | | | | | |
| Extension Rod for Extension Kit | \$114 | \$137 | \$168 | \$200 | \$226 | \$258 | \$342 | \$426 |

WATEROUS

| | 6" | 12" | 18" | 24" | 30" | 36" | 42" | 48" |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| STANDPIPE & ROD EXTENSION KITS | | | | | | | | |
| 4¾" Trend WB77 Traffic - K479 | \$1,038 | \$1,164 | \$1,292 | \$1,416 | \$1,644 | \$1,770 | \$1,922 | \$2,072 |
| 4¾" Trend WB77-1 Traffic - K562 | \$1,145 | \$1,348 | \$1,565 | \$1,770 | \$1,927 | \$2,083 | \$2,232 | \$2,384 |
| 5¼" Pacer: Non Traffic - K563* | -- | \$1,295 | \$1,448 | \$1,596 | \$1,747 | \$1,894 | \$2,043 | \$2,198 |
| Traffic - K562 | \$1,145 | \$1,348 | \$1,565 | \$1,770 | \$1,927 | \$2,083 | \$2,232 | \$2,384 |
| Memphis Type-K456 | \$1,526 | \$1,736 | \$1,948 | \$2,151 | \$2,305 | \$2,466 | \$2,613 | \$2,762 |

*Specify direction of opening

Add \$46 if 304 S.S. Bolts are required.

Add \$74 if 316 S.S. bolts are required.

TRAVERSE CITY HYDRANT KITS – (Traffic and Non-Traffic Hydrants)

| | 6" | 12" | 18" | 24" | 30" | 36" |
|---|---------|---------|---------|---------|---------|---------|
| Barrel & Rod Ext. - 5" VO – | \$2,582 | \$2,776 | \$2,975 | \$3,558 | \$3,744 | \$3,927 |
| Barrel, flanges, snap rings, gaskets, cap screws, nuts, stem, coupling. | | | | | | |

Add \$147 for Each Additional 6".



Hydrant Traffic Repair Kits

TRAFFIC MODEL

| AMERICAN-DARLING VALVE | LIST PRICE |
|---|------------|
| 4½" Mark-73 Hydrant | \$544 |
| 5¼" B-84-B Hydrant | \$544 |
| 6" B-84-B Hydrant | \$613 |
| 5¼" B-62-B Hydrant (1986 & Newer Cast Date) | \$613 |
| 5¼" B-62-B Hydrant (1985 & Older Cast Date) | \$604 |
| 6¼" B-62-B Hydrant | \$607 |
| 4" & 4½" B-50-B Hydrant | \$504 |
| 5" B-50-B Hydrant (1995 & Newer Cast Date) | \$613 |
| 5" B-50-B Hydrant (1994 & Older Cast Date) | \$607 |
| 6" B-50-B Hydrant | \$823 |
| Add \$46 if 304 S.S. bolts are required. | |
| Add \$74 if 316 S.S. bolts are required. | |

| WATEROUS | LIST PRICE |
|--|------------|
| 4¾" WT-77D Trend Hydrant (K478) (Prior to 1987) | \$788 |
| 4¾" WB-77 Trend Hydrant (K618) (After 1987) | \$308 |
| 4¾" WB77-1 Trend Hydrant (K528) | \$529 |
| Add For BZ Coupling Sleeve | \$242 |
| 5¼" WB-67 Pacer Hydrant (K525) (Prior to June 1980)* | \$656 |
| Add For Each 6" Over 10" | \$214 |
| 5¼" WB-67 Pacer Hydrant (K528) (After June 1980) | \$529 |
| Add For BZ Coupling Sleeve | \$214 |
| Specify color on all Waterous repair kits. | |
| *Specify length of traffic section. | |
| Add \$46 if 304 S.S. bolts are required. | |
| Add \$74 if 316 S.S. bolts are required. | |

QUIK-FIX MODEL

| AMERICAN-DARLING VALVE | LIST PRICE |
|-------------------------|------------|
| 5¼" B-62-B Hydrant | \$604 |
| 6¼" B-62-B Hydrant | \$646 |
| 4" & 4½" B-50-B Hydrant | \$604 |
| 5" B-50-B Hydrant | \$646 |

O
C
W
U
T
0
0
0
3
2

[Back to Index](#)



Hydrant Maintenance Kits

MAINTENANCE KITS IN PLASTIC CASE

| AMERICAN-DARLING VALVE | LIST PRICE |
|------------------------|------------|
| 5¼" B-84-B Hydrant | \$1,223 |
| 6" B-84-B Hydrant | \$1,505 |
| 5¼" B-62-B Hydrant | \$1,505 |
| 4½" MK-73 Hydrant | \$1,223 |

| WATEROUS | LIST PRICE |
|--|------------|
| 5¼" WB-67 Pacer (all models) Hydrant (K449-UP) | \$1,600 |
| 4¾" WB-77 Trend Hydrant (K481) | \$1,285 |
| 4¾" WB77-1 Trend Hydrant (K1118-UP) | \$1,600 |

OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

4-1/2" Mark 73 Traffic Hydrant Repair Parts

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|-------------|-------------|--|-----------------|
| 73-1 | 7 | Operating Nut | \$368 |
| 73-2-1 | | Cover O-Ring | \$20 |
| 73-2-2 | | Housing O-Ring (2 required) | \$20 |
| 73-4-4 | | Thrust Washer | \$21 |
| 73-5-3 | | Pipe Plug | \$14 |
| 73-7-7 | | Weather Cover w/Weather Shield | \$184 |
| 73-9 | | Housing Cover | \$151 |
| 73-11-2 | | Housing Cover Cap Screw (4 required) | \$14 |
| | | Housing Cover Cap Screw - 304 SS (4 required) | \$21 |
| 73-13 | | Housing Cover Gasket | \$20 |
| 73-14 | | Housing Gasket | \$20 |
| 73-15 | 7 | Housing – Dry Top | \$576 |
| 73-16 | | Housing Bolt and Nut (6 required) | \$14 |
| | | Housing Bolt and Nut - 304 SS (6 required) | \$21 |
| 73-18-60 | | Upper Barrel – 2 Hose & 1 Steamer Outlet (MK73-5) | \$1,348 |
| | | Upper Barrel – 2 Hose Outlets (MK73-5) | \$1,248 |
| 73-19-SR | 1 | Lower Barrel – 5' Trench Add or Deduct for each 6" variance in trench | \$1,990 \$53 |
| 73-20-3 | 2 | Hose Nozzle (Amllok) | \$263 |
| 73-20-4 | 2 | Hose Nozzle O-Ring (Amllok) | \$20 |
| 73-20-5 | 2 | Hose Nozzle Spacer O-Ring (Amllok) | \$20 |
| 73-20-60 | 8 | Hose Nozzle (MK73-5) | \$186 |
| 73-20-61 | | Hose Nozzle O-Ring Seal (MK73-5) | \$20 |
| 73-20-62 | | Hose Nozzle Retainer (MK73-5) | \$88 |
| 73-20-63 | | Hose Nozzle Washer (MK73-5) | \$9 |
| 73-21 | 3 | Hose Nozzle Cap | \$140 |
| 73-22 | 3 | Hose Nozzle Cap Gasket | \$14 |
| 73-22C | | Captivator™ Hose Nozzle Cap Gasket | \$14 |
| 73-23-1 | | Hose Nozzle Cap Chain | \$32 |
| 73-23-18 | | Pumper Nozzle Cap Chain | \$41 |
| 73-24-3 | 2 | Nozzle Set Screw | \$11 |
| 73-24-4 | 2 | Nozzle Internal Set Screw | \$11 |
| 73-24-5 | 2 | Nozzle Internal Set Screw | \$11 |
| 73-25-3 | 2 | Pumper Nozzle (Amllok) | \$735 |
| 73-25-4 | 2 | Pumper Nozzle O-Ring (Amllok) | \$21 |
| 73-25-5 | 2 | Pumper Nozzle Spacer O-Ring (Amllok) | \$21 |
| 73-25-60 | 8 | Pumper Nozzle (MK73-5) | \$490 |
| 73-25-60-ST | | Storz Pumper Nozzle, 4" (with cap & gasket) | \$1,281 |
| | | Storz Pumper Nozzle, 5" (with cap & gasket) | \$1,397 |
| 73-25-61 | | Pumper Nozzle O-Ring Seal (MK73-5) | \$21 |
| 73-25-62 | | Pumper Nozzle Retainer (MK73-5) | \$114 |
| 73-25-63 | | Pumper Nozzle Retainer Washer (MK73-5) | \$14 |
| 73-26 | 3 | Pumper Nozzle Cap | \$350 |
| 73-26-ST | 3 | Storz Pumper Nozzle Cap, 4" | \$466 |
| | 3 | Storz Pumper Nozzle Cap, 5" | \$583 |
| 73-27 | 3 | Pumper Nozzle Cap Gasket | \$20 |
| 73-27C | | Captivator™ Pumper Nozzle Cap Gasket | \$20 |
| 73-27-ST | 3 | Storz Pumper Cap Gasket, 4" | \$79 |
| | 3 | Storz Pumper Cap Gasket, 5" | \$79 |
| 73-29-13 | 1 | Non-Breakable Barrel Flange | \$151 |
| 73-29-13B | 1 | Non-Breakable Base Flange | \$151 |
| 73-29-14 | 1 | Snap Ring (2 required) | \$51 |
| 73-29-30 | | Traffic Model Rod Coupling | \$137 |
| 73-29-40 | | Non-Traffic Rod Coupling (for Extension Kit) | \$137 |
| 73-29-31 | | Rod Coupling Pin and Clip Pins (2 required) | \$20 |
| 73-29-45 | | Breakable Flange | \$137 |
| 73-30-03 | | Spring | \$203 |
| 73-30-04 | | Spring Plate | \$21 |
| 73-30-07 | 6 | Spring Plate Pin | \$21 |
| 73-30-06 | | Travel Stop Nut | \$72 |
| 73-30-11 | 4 | Upper Hydrant Rod | \$405 |

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|-----------|-------------|--|----------------|
| 73-30-12 | 6 | Lower Hydrant Rod – 5' Trench Add or Deduct for each 6" variance in trench | \$420 \$14 |
| 73-31 | 5 | Drain Lever | \$368 |
| 73-35-02 | | Hydrant Seat w/O-Rings | \$576 |
| 73-36-1 | | Hydrant Seat O-Ring (2 required) | \$35 |
| 73-37 | | Drain Ring (Bronze) | \$744 |
| 73-38 | | Drain Ring Gasket (2 required) | \$20 |
| 73-38-1 | | Barrel Gasket | \$20 |
| 73-39 | | Base Bolt and Nut - 304 SS (8 required) | \$24 |
| 73-39-9 | | Barrel Bolt and Nut (8 required) Barrel Bolt and Nut - 304 SS (8 required) | \$15 \$22 |
| 73-40 | | Valve Top (Specify Iron or Bronze) | \$161 |
| 73-40-1 | | Valve Top Facing (2 required) | \$20 |
| 73-40-2 | | Valve Top Facing Screw (4 required) | \$11 |
| 73-40-4 | | Valve Top Clevis Pin | \$11 |
| 73-41 | | Hydrant Valve (MK73 & MK73-1) Hydrant Valve (MK73-2 & MK73-5) | \$184 \$210 |
| 73-41-KIT | | Hydrant Valve Repair Kit (MK73-5) - Consists of 1 Hydrant Valve, 2 Seat O-Rings, & 1 Housing Cover Gasket. | \$298 |
| 73-42 | | Valve Bottom | \$226 |
| 73-46-2 | | 4" Flanged Base | \$1,218 |
| | | 6" Flanged Base | \$1,311 |
| 73-46-5 | | 4" Mechanical Joint Base Less Acc. | \$1,379 |
| | | 6" Mechanical Joint Base Less Acc. | \$1,511 |
| 73-46-PE | | 6" Plain End Base | \$1,642 |
| 73-46-TY | | 6" Tyton Base | \$1,311 |
| 73-144 | | Weather Shield | \$21 |
| 73-145 | 4 | Rod Sleeve | \$62 |
| 73-146 | 4 | Sleeve O-Ring (2 required) | \$11 |

| PART # | DESCRIPTION | PRICE EACH |
|--------|------------------------------------|---------------|
| 147 | Seat Wrench | \$405 |
| 149 | Hose Nozzle Wrench (Amllok) | \$175 |
| 150 | Pumper Nozzle Wrench (Amllok) | \$210 |
| | Operating Wrench - Adjustable | \$149 |
| | Storz Nozzle Adjustable Wrench | \$312 |
| | Travel Stop Nut Wrench | \$107 |
| | Retainer Wrench-Hose | \$420 |
| | Retainer Wrench-Pumper | \$613 |
| | Retainer Wrench-5" Storz (Hinged) | \$1,376 |
| | Complete Upper Barrel Assembly-DDP | \$4,060 |

SEE MARK 73 HYDRANT PARTS DIAGRAM ON PAGE 16 & 17.

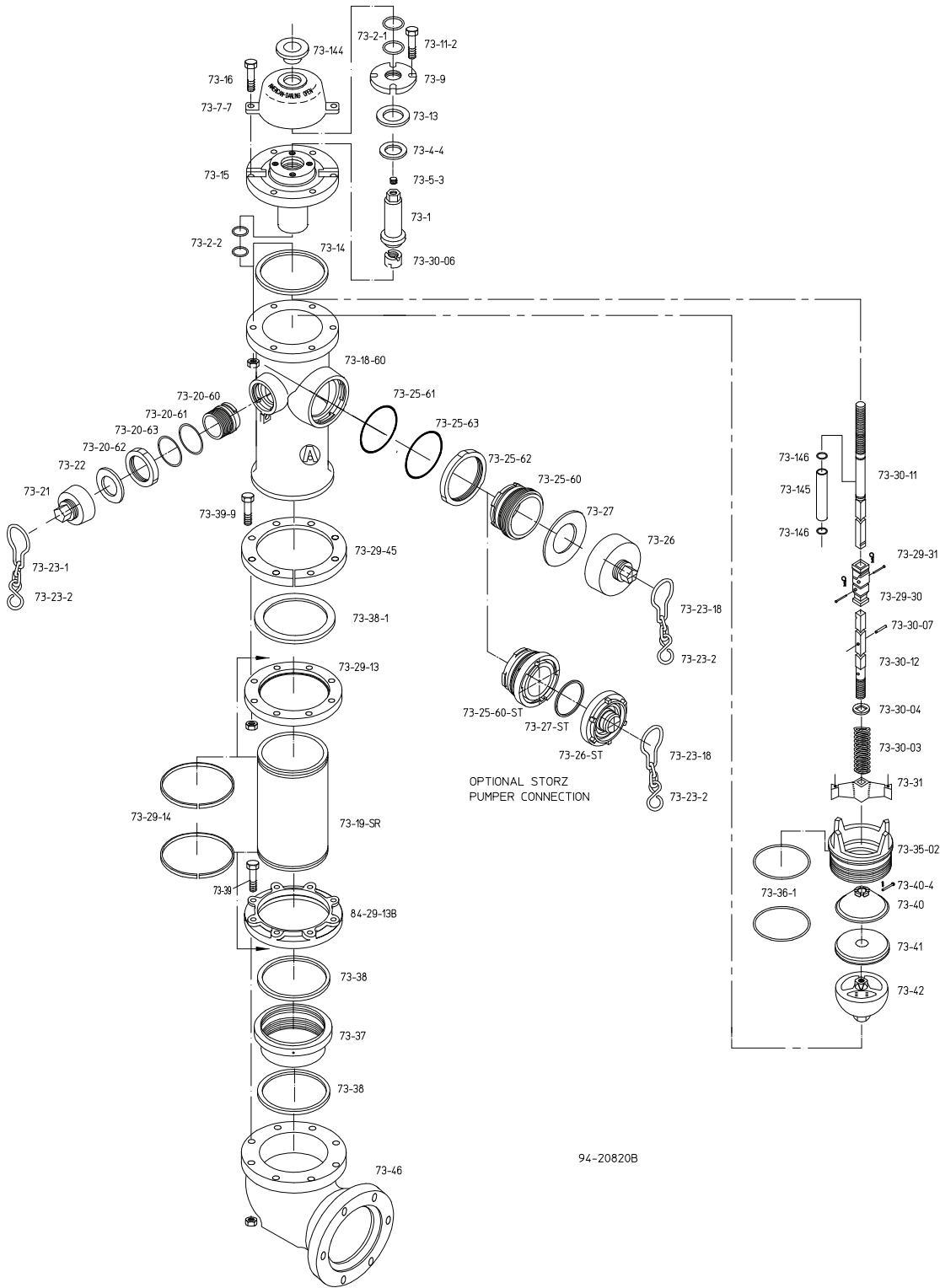
NOTES:

- Part No. 73-19-SR includes two Snap Rings and Non-Breakable Flanges.
- Part Nos. 73-20-3 and 73-25-3 includes Nozzle Set Screws & O-Rings.
- Part Nos. 73-21, 73-26 & 73-26-ST include Cap Gasket.
- Part No. 73-30-11 includes Rod Sleeve and Sleeve O-Ring.
- Part No. 73-35-02 includes Seat O-Rings.
- Part No. 73-30-12 includes Spring Plate Pin.
- The 'Year' cast date and marking should be indicated when ordering part 73-1 or 73-15, and paint color is required on 73-15.
- Part Nos. 73-20-60 and 73-25-60 include Nozzle O-Ring & Retainer Washer.



4-1/2" Mark 73 Traffic Hydrant Repair Parts Diagram

AMERICAN-DARLING
4 1/2" MK73-5
MECHANICALLY ATTACHED NOZZLES
STARTING IN 2005

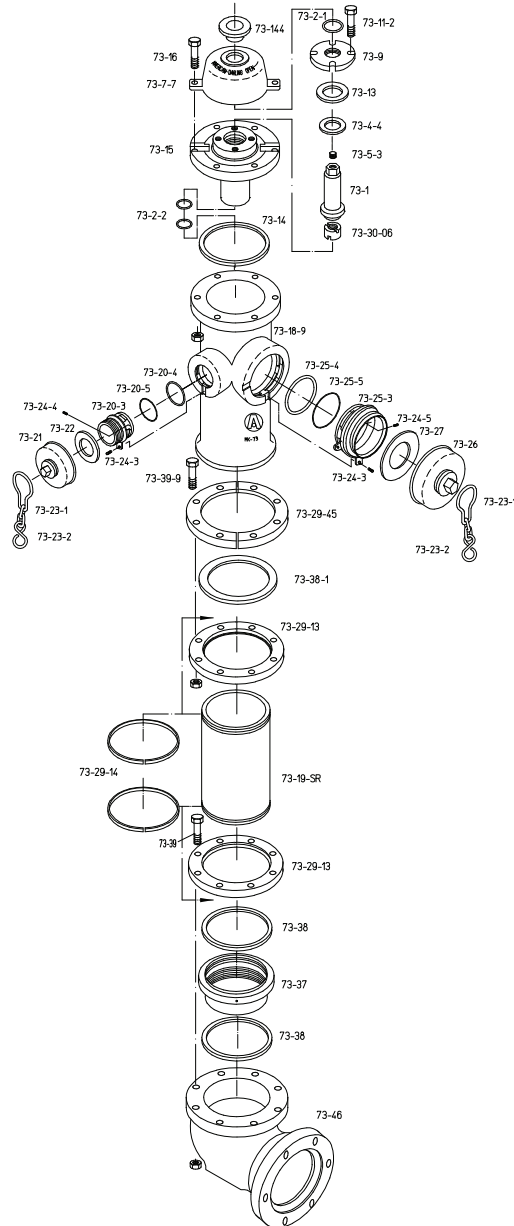


OCWUT 00032



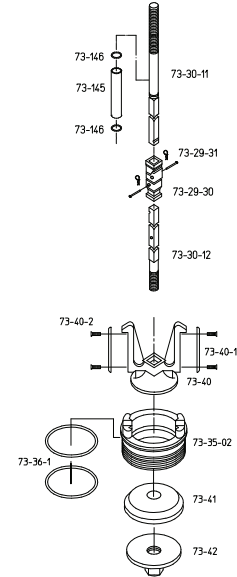
4-1/2" Mark 73 Traffic Hydrant Repair Parts

AMERICAN-DARLING
4 1/2" MK73-1 AND 4 1/2" MK73-2
WITH AMLOK NOZZLES
1986 THRU 2005

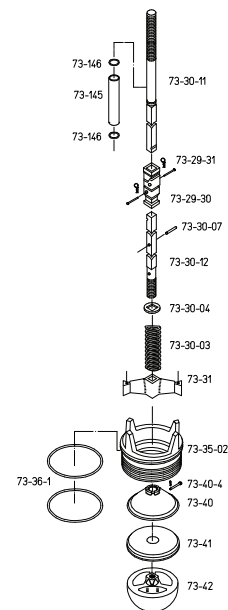


94-20820A

4 1/2" MK73
AND
4 1/2" MK73-1
ROD AND SEAT
PARTS
1973 THRU 2001



4 1/2" MK73-2
ROD AND SEAT
PARTS
2002 THRU 2004



OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

5-1/4" B-84-B Traffic Hydrant Repair Parts

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|-------------|-------------|---|---------------|
| 84-1 | | Operating Nut w/Pipe Plug | \$368 |
| 84-2-1 | | Cover O-Ring | \$20 |
| 84-2-2 | | Housing O-Ring (2 required) | \$20 |
| *84-3-2 | | Op Nut Weathercap | \$210 |
| *84-3-4 | | Screw Cap Socket | \$11 |
| 84-4-4 | | Thrust Washer | \$21 |
| 84-5-3 | | Pipe Plug | \$14 |
| *84-7-5 | | Tamper Resistant Weather Cover | \$258 |
| 84-7-7 | | Weather Cover w/Weather Shield | \$184 |
| 84-9 | | Housing Cover | \$151 |
| 84-11-2 | | Housing Cover Cap Screw (4 required) | \$14 |
| | | Housing Cover Cap Screw - 304 SS (4 required) | \$21 |
| 84-13 | | Housing Cover Gasket | \$20 |
| 84-14 | | Housing Gasket | \$20 |
| 84-15 | 8 | Housing | \$576 |
| 84-16 | | Housing Bolt and Nut (6 required) | \$14 |
| | | Housing Bolt and Nut - 304 SS (6 required) | \$21 |
| 84-18-60 | | Upper Barrel – 2 Hose & 1 Steamer Outlet (B84B-5) | \$1,348 |
| | | Upper Barrel – 2 Hose Outlets (B84B-5) | \$1,248 |
| 84-19-SR | 2 | Lower Barrel – 5' Trench | \$1,990 |
| | | Add or Deduct for each 6" variance in trench | \$53 |
| 84-20-3 | 3 | Hose Nozzle (Amlok) | \$263 |
| 84-20-4 | 3 | Hose Nozzle O-Ring (Amlok) | \$20 |
| 84-20-5 | 3 | Hose Nozzle Spacer O-Ring (Amlok) | \$20 |
| 84-20-60 | 9 | Hose Nozzle (B84B-5) | \$186 |
| 84-20-61 | | Hose Nozzle O-Ring Seal (B84B-5) | \$20 |
| 84-20-62 | | Hose Nozzle Retainer (B84B-5) | \$88 |
| 84-20-63 | | Hose Nozzle Washer (B84B-5) | \$9 |
| 84-21 | 4 | Hose Nozzle Cap | \$140 |
| 84-22 | 4 | Hose Cap Gasket | \$14 |
| 84-22C | | Captivator™ Hose Nozzle Cap Gasket | \$14 |
| 84-23-1 | | Hose Nozzle Cap Chain | \$32 |
| 84-23-18 | | Pumper Nozzle Cap Chain | \$41 |
| 84-24-3 | 3 | Nozzle Set Screw | \$11 |
| 84-24-4 | 3 | Nozzle Internal Set Screw | \$11 |
| 84-24-5 | 3 | Nozzle Internal Set Screw | \$11 |
| 84-25-3 | 3 | Pumper Nozzle (Amlok) | \$735 |
| 84-25-4 | 3 | Pumper Nozzle O-Ring (Amlok) | \$21 |
| 84-25-5 | 3 | Pumper Nozzle Spacer O-Ring (Amlok) | \$21 |
| 84-25-60 | 9 | Pumper Nozzle (B84B-5) | \$490 |
| 84-25-60-ST | | Storz Pumper Nozzle, 4" (with cap & gasket) | \$1,281 |
| | | Storz Pumper Nozzle, 5" (with cap & gasket) | \$1,397 |
| 84-25-61 | | Pumper Nozzle O-Ring Seal (B84B-5) | \$21 |
| 84-25-62 | | Pumper Nozzle Retainer (B84B-5) | \$114 |
| 84-25-63 | | Pumper Nozzle Retainer Washer (B84B-5) | \$14 |
| 84-26 | 4 | Pumper Nozzle Cap | \$350 |
| 84-26-ST | 4 | Storz Pumper Nozzle Cap, 4" | \$466 |
| | 4 | Storz Pumper Nozzle Cap, 5" | \$583 |
| 84-27 | 4 | Pumper Cap Gasket | \$20 |
| 84-27C | | Captivator™ Pumper Nozzle Cap Gasket | \$20 |
| 84-27-ST | 4 | Storz Pumper Cap Gasket, 4" | \$79 |
| | 4 | Storz Pumper Cap Gasket, 5" | \$79 |
| 84-29-13 | 2 | Non-Breakable Barrel Flange | \$151 |
| 84-29-13B | 2 | Non-Breakable Base Flange | \$151 |
| 84-29-14 | 2 | Snap Ring (2 required) | \$51 |
| 84-29-30 | | Traffic Model Rod Coupling | \$137 |
| *84-29-40 | | Non-Traffic Rod Coupling (for Extension Kit) | \$137 |
| 84-29-31 | | Rod Coupling Pin and Clip Pins (2 required) | \$20 |
| 84-29-45 | | Breakable Flange | \$137 |
| 84-30-03 | | Spring | \$203 |
| 84-30-04 | | Spring Plate | \$21 |
| 84-30-06 | | Travel Stop Nut | \$72 |
| 84-30-07 | | Spring Plate Pin | \$21 |
| 84-30-11 | | Upper Rod | \$405 |

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|-----------|-------------|---|---------------|
| 84-30-12 | | Lower Rod – 5' Trench | \$420 |
| | | Add or Deduct for each 6" variance in trench | \$14 |
| 84-31 | 7 | Drain Lever | \$368 |
| 84-33 | | Drain Lever Washer | \$14 |
| 84-34 | | Drain Lever Rivet | \$14 |
| 84-35-02 | 7 | Hydrant Seat w/O-Rings (includes Drain Lever) | \$839 |
| 84-36-1 | 7 | Seat O-Ring (2 required) | \$35 |
| 84-37 | | Drain Ring | \$742 |
| 84-38 | | Drain Ring Gasket (2 required) | \$20 |
| 84-38-1 | | Barrel Gasket | \$20 |
| 84-39 | | Base Bolt and Nut - 304 SS (8 required) | \$24 |
| 84-39-9 | | Barrel Bolt and Nut (8 required) | \$15 |
| | | Barrel Bolt and Nut - 304 SS (8 required) | \$22 |
| 84-40 | | Valve Top | \$161 |
| 84-40-4 | | Valve Top Clevis Pin | \$11 |
| 84-41 | | Hydrant Valve | \$210 |
| 84-41-KIT | | Hydrant Valve Repair Kit - Consists of 1 Hydrant Valve, 2 Seat O-Rings, & 1 Housing Cover Gasket. | \$298 |
| 84-42 | | Valve Bottom | \$226 |
| 84-46-2 | | 4" Flanged Base | \$1,218 |
| | | 6" Flanged Base | \$1,311 |
| 84-46-5 | | 4" Mechanical Joint Base Less Acc. | \$1,379 |
| | | 6" Mechanical Joint Base Less Acc. | \$1,511 |
| | | 8" Mechanical Joint Base Less Acc. | \$1,575 |
| 84-46-C | | Conversion Base to 4"/4 1/2" B50B Hydrant | \$1,773 |
| 84-46-PE | | 6" Plain End Base | \$1,642 |
| 84-46-TY | | 6" Tyton Base | \$1,311 |
| 84-144 | | Weather Shield | \$21 |
| 84-145 | 5 | Rod Sleeve | \$62 |
| 84-146 | 5 | Sleeve O-Ring (2 required) | \$11 |

| TOOLS PART # | DESCRIPTION | PRICE EACH |
|------------------------------------|-----------------------------------|---------------|
| 147 | Seat Wrench | \$405 |
| 149 | Hose Nozzle Wrench (Amlok) | \$175 |
| 150 | Pumper Nozzle Wrench (Amlok) | \$210 |
| | Operating Wrench - Adjustable | \$149 |
| | Storz Nozzle Adjustable Wrench | \$312 |
| | Tamper Resistant Cover Wrench | \$223 |
| | Travel Stop Nut Wrench | \$107 |
| | Retainer Wrench-Hose | \$420 |
| | Retainer Wrench-Pumper | \$613 |
| | Retainer Wrench-5" Storz (Hinged) | \$1,376 |
| Complete Upper Barrel Assembly-DDP | | \$4,218 |

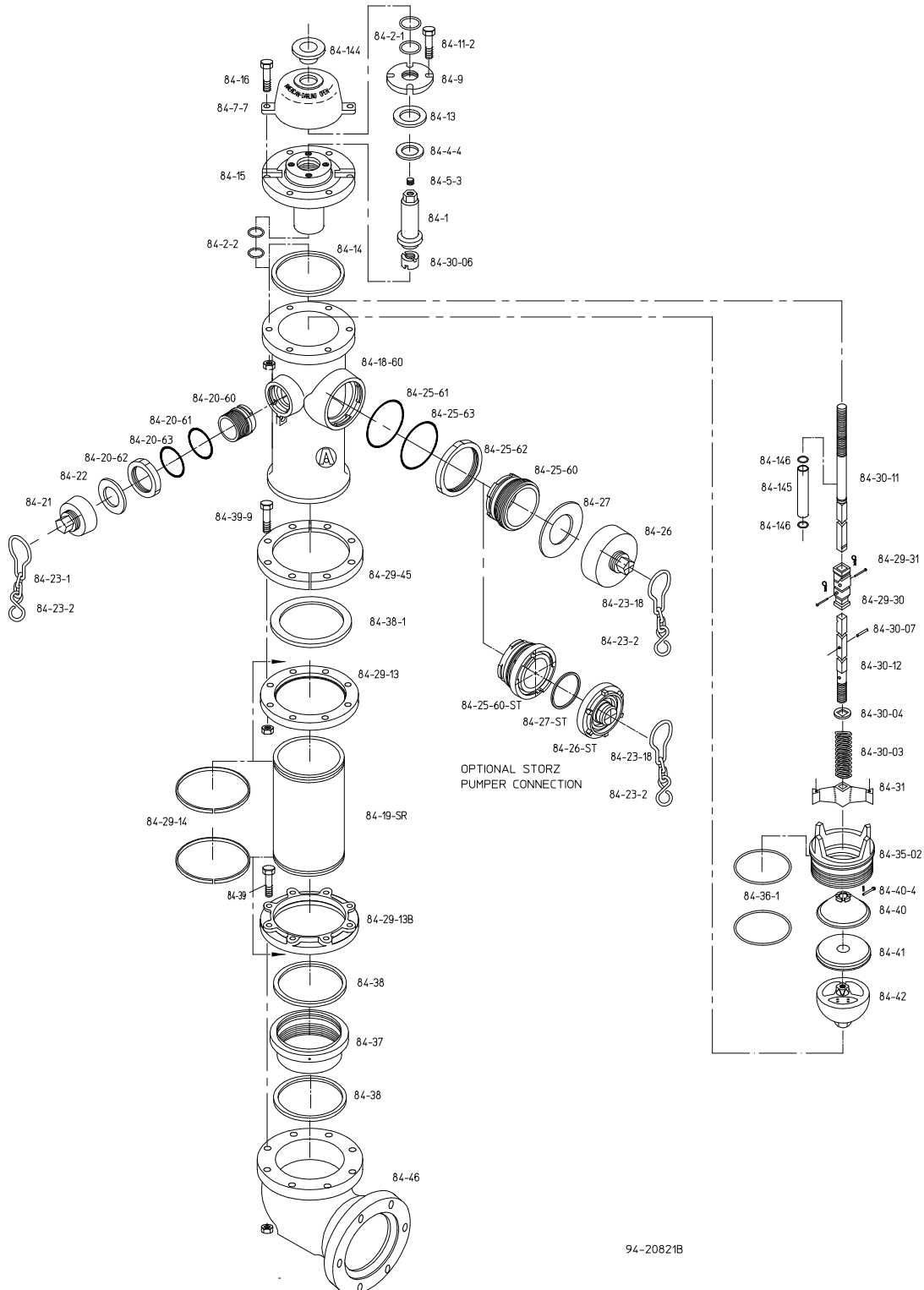
SEE 5-1/4" B-84-B HYDRANT PARTS DIAGRAM ON PAGE 19 & 20.

NOTES:

- The part numbers should be preceded by 54 to denote 5 1/4" Main Valve Opening.
- Part No. 84-19-SR includes two Snap Rings and Non-Breakable Flanges.
- Part Nos. 84-20-3 and 84-25-3 include Nozzle Set Screws & O-Rings.
- Part Nos. 84-21, 84-26 & 84-26-ST include Cap Gasket.
- Part No. 84-30-11 includes Rod Sleeve and Sleeve O-Ring.
- Part No. 84-30-12 includes Spring Plate Pin.
- Part No. 84-35-02 includes Drain Lever & Seat O-Rings.
- Part No. 84-15 requires paint color.
- Part Nos. 84-20-60 and 84-25-60 include Nozzle O-Ring & Retainer Washer.

5-1/4" B-84-B Traffic Hydrant Parts Diagram

AMERICAN-DARLING
5 1/4" B84B-5
MECHANICALLY ATTACHED NOZZLES
STARTING IN 2005



94-20821B

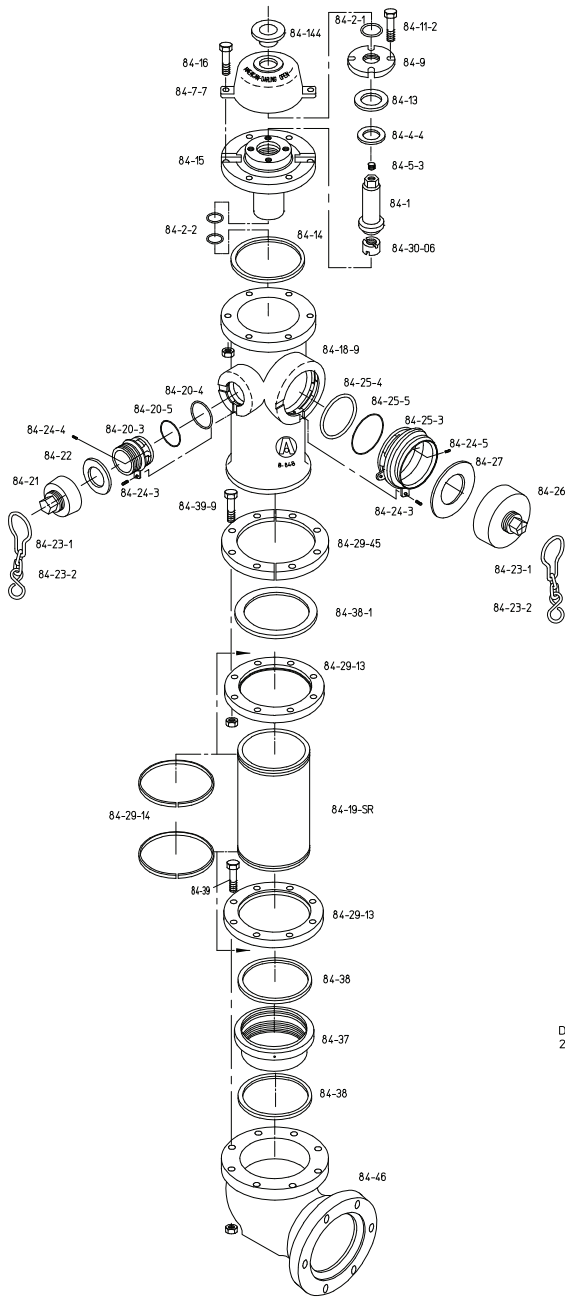
OCWUT 00032

[Back to Index](#)

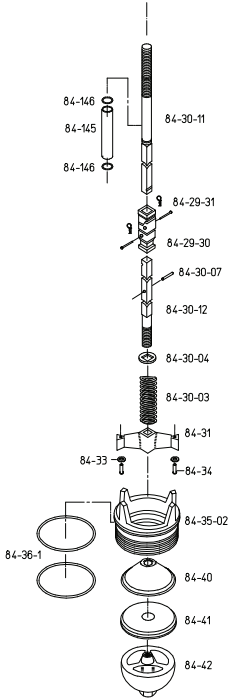


5-1/4" B-84-B Traffic Hydrant Parts Diagram

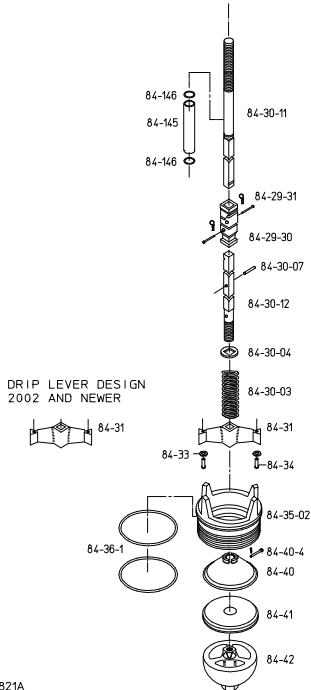
AMERICAN-DARLING
5 1/4" B84B
WITH AMLOK NOZZLES
1984 THRU 2005



AMERICAN-DARLING
5 1/4" B84B
ROD AND SEAT PARTS
1984 THRU 1996



AMERICAN-DARLING
5 1/4" B84B
ROD AND SEAT PARTS
1997 AND NEWER



94-20821A

OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

6" B-84-B Traffic Hydrant Repair Parts

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|-------------|----------|---|------------|
| 84-1 | | Operating Nut w/Pipe Plug | \$490 |
| 84-2-1 | | Housing Cover O-Ring | \$20 |
| 84-2-2 | | Housing O-Ring (2 required) | \$20 |
| 84-4-4 | | Thrust Washer | \$21 |
| 84-5-3 | | Pipe Plug | \$14 |
| *84-7-5 | | Tamper Resistant Weather Cover | \$298 |
| 84-7-7 | | Weather Cover w/Weather Shield | \$226 |
| 84-9 | | Housing Cover | \$156 |
| 84-11-2 | | Housing Cover Cap Screw (4 required) | \$14 |
| | | Housing Cover Cap Screw - 304 SS (4 required) | \$21 |
| 84-13 | | Housing Cover Gasket | \$20 |
| 84-14 | | Housing Gasket | \$20 |
| 84-15 | 9 | Housing | \$671 |
| 84-16 | | Housing Bolt and Nut (6 required) | \$14 |
| | | Housing Bolt and Nut - 304 SS (6 required) | \$21 |
| 84-18-60 | | Upper Barrel – 2 Hose & 1 Steamer Outlet | \$1,449 |
| | | Upper Barrel – 2 Hose Outlets | \$1,348 |
| 84-19-SR | 2 | Lower Barrel – 5' Trench | \$2,319 |
| | | Add or Deduct for each 6" variance in trench | \$62 |
| 84-20-3 | 3 | Hose Nozzle (Amluk) | \$263 |
| 84-20-4 | 3 | Hose Nozzle O-Ring (Amluk) | \$20 |
| 84-20-5 | 3 | Hose Nozzle Spacer O-Ring (Amluk) | \$20 |
| 84-20-60 | 10 | Hose Nozzle (B84B-5) | \$186 |
| 84-20-61 | | Hose Nozzle O-Ring Seal (B84B-5) | \$20 |
| 84-20-62 | | Hose Nozzle Retainer (B84B-5) | \$88 |
| 84-20-63 | | Hose Nozzle Washer (B84B-5) | \$9 |
| 84-21 | 5 | Hose Nozzle Cap | \$140 |
| 84-22 | 5 | Hose Nozzle Cap Gasket | \$14 |
| 84-22C | | Captivator™ Hose Nozzle Cap Gasket | \$14 |
| 84-23-1 | | Hose Nozzle Cap Chain | \$32 |
| 84-23-18 | | Pumper Nozzle Cap Chain | \$41 |
| 84-24-3 | 3 | Nozzle Set Screw | \$11 |
| 84-24-4 | 3 | Nozzle Internal Set Screw | \$11 |
| 84-24-5 | 3 | Nozzle Internal Set Screw | \$11 |
| 84-25-3 | 3 | Pumper Nozzle (Amluk) | \$735 |
| 84-25-4 | 3 | Pumper Nozzle O-Ring (Amluk) | \$21 |
| 84-25-5 | 3 | Pumper Nozzle Spacer O-Ring (Amluk) | \$21 |
| 84-25-60 | 10 | Pumper Nozzle (B84B-5) | \$490 |
| 84-25-60-ST | | Storz Pumper Nozzle, 4" (with cap & gasket) | \$1,281 |
| | | Storz Pumper Nozzle, 5" (with cap & gasket) | \$1,397 |
| 84-25-61 | | Pumper Nozzle O-Ring Seal (B84B-5) | \$21 |
| 84-25-62 | | Pumper Nozzle Retainer (B84B-5) | \$114 |
| 84-25-63 | | Pumper Nozzle Retainer Washer (B84B-5) | \$14 |
| 84-26 | 5 | Pumper Nozzle Cap | \$350 |
| 84-26-ST | 5 | Storz Pumper Nozzle Cap, 4" | \$466 |
| | 4 | Storz Pumper Nozzle Cap, 5" | \$583 |
| 84-27 | 5 | Pumper Cap Gasket | \$20 |
| 84-27C | | Captivator™ Pumper Nozzle Cap Gasket | \$20 |
| 84-27-ST | 4 | Storz Pumper Cap Gasket, 4" | \$79 |
| | 4 | Storz Pumper Cap Gasket, 5" | \$79 |
| 84-29-14 | 2 | Snap Ring (2 required) | \$53 |
| 84-29-15 | 2 | Breakable Flange | \$151 |
| 84-29-16 | 2 | Base Flange | \$168 |
| 84-29-30 | | Traffic Model Rod Coupling | \$137 |
| *84-29-40 | | Non-Traffic Rod Coupling (for Extension Kit) | \$137 |
| 84-29-31 | | Rod Coupling Pin and Clip Pins (2 required) | \$20 |
| 84-30-03 | | Spring | \$203 |
| 84-30-04 | | Spring Plate | \$21 |
| 84-30-06 | | Travel Stop Nut | \$72 |
| 84-30-07 | 6 | Spring Plate Pin | \$21 |
| 84-30-11 | 5 | Upper Rod | \$483 |
| 84-30-12 | 6 | Lower Rod – 5' Trench | \$490 |
| | | Add or Deduct for each 6" variance in trench | \$20 |

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|-----------|----------|---|------------|
| 84-31 | 7 | Drain Lever | \$405 |
| 84-33 | 7 | Drain Lever Washer (2 Required) | \$14 |
| 84-34 | 7 | Drain Lever Rivet (2 required) | \$14 |
| 84-35-02 | 8 | Hydrant Seat w/O-Rings (includes Drain Lever) | \$898 |
| 84-36-1 | 7 | Seat O-Ring (2 required) | \$51 |
| 84-37-OR | | Drain Ring | \$807 |
| 84-38 | | Drain Ring Gasket (2 required) | \$20 |
| 84-38-1 | 7 | Barrel Gasket | \$20 |
| 84-39 | 7 | Base Bolt and Nut - 304 SS (6 required) | \$26 |
| 84-39-9 | | Barrel Bolt and Nut (8 required) | \$16 |
| | | Barrel Bolt and Nut - 304 SS (8 required) | \$24 |
| 84-40 | | Valve Top | \$210 |
| 84-40-4 | | Valve Top Clevis Pin | \$11 |
| 84-41 | | Hydrant Valve | \$245 |
| 84-41-KIT | | Hydrant Valve Repair Kit - Consists of 1 Hydrant Valve, 2 Seat O-Rings, & 1 Housing Cover Gasket. | \$363 |
| 84-42 | | Valve Bottom | \$247 |
| 84-46-2 | | 6" Flanged Base | \$1,428 |
| 84-46-5 | | 4" Mechanical Joint Base Less Acc. | \$1,533 |
| | | 6" Mechanical Joint Base Less Acc. | \$1,642 |
| | | 8" Mechanical Joint Base Less Acc. | \$1,707 |
| 84-46-PE | | 6" Plain End Base | \$1,738 |
| 84-46-TY | | 6" Tyton Base | \$1,428 |
| 84-144 | 4 | Weather Shield | \$21 |
| 84-145 | 4 | Rod Sleeve | \$72 |
| 84-146 | | Sleeve O-Ring (2 required) | \$11 |

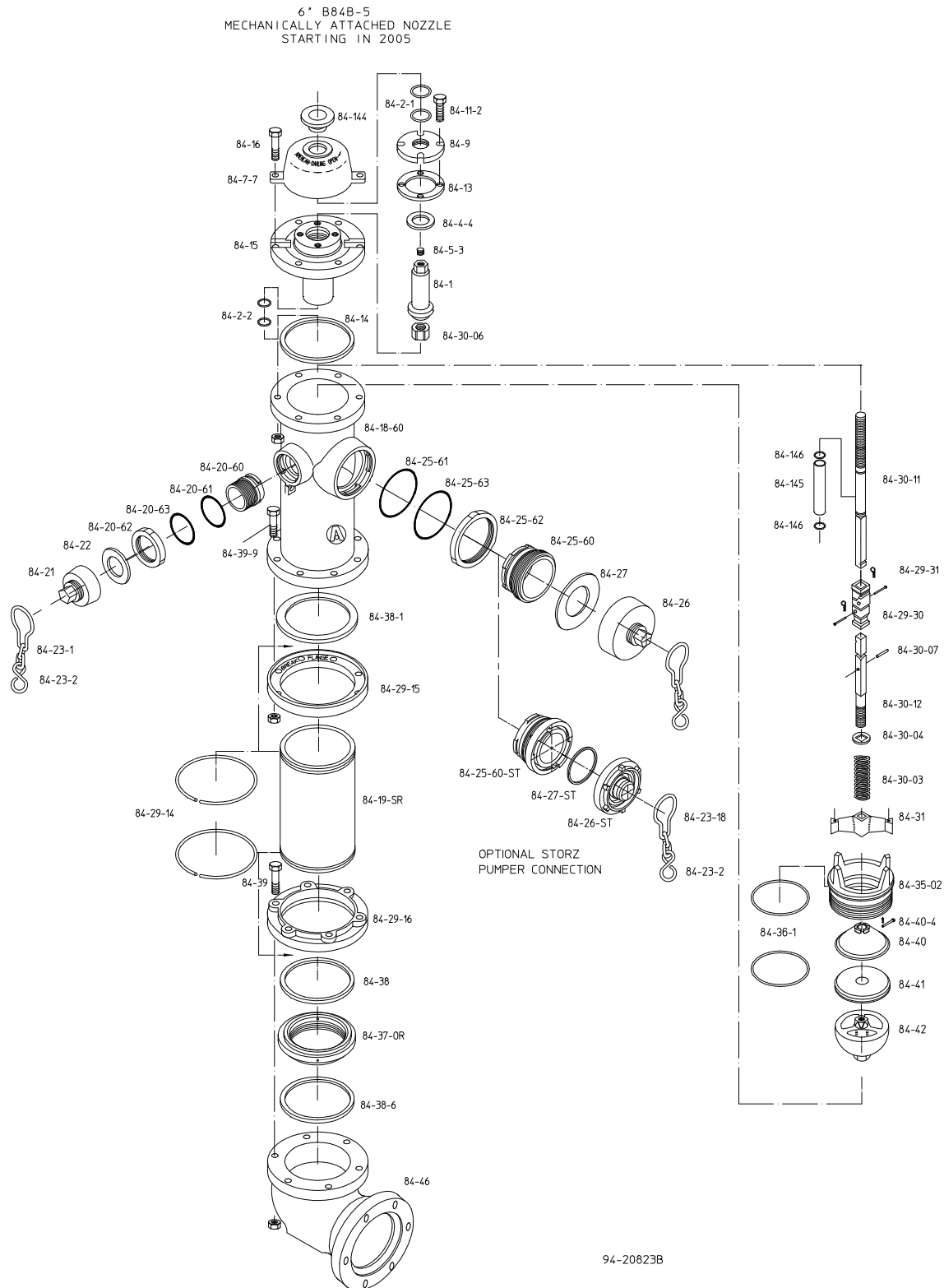
| TOOLS | DESCRIPTION | PRICE EACH |
|------------------------------------|-----------------------------------|------------|
| 147 | Seat Wrench | \$574 |
| 149 | Hose Nozzle Wrench (Amluk) | \$175 |
| 150 | Pumper Nozzle Wrench (Amluk) | \$210 |
| | Operating Wrench - Adjustable | \$149 |
| | Storz Nozzle Adjustable Wrench | \$312 |
| | Tamper Resistant Cover Wrench | \$223 |
| | Travel Stop Nut Wrench | \$235 |
| | Retainer Wrench-Hose | \$420 |
| | Retainer Wrench-Pumper | \$613 |
| | Retainer Wrench-5" Storz (Hinged) | \$1,376 |
| Complete Upper Barrel Assembly-DDP | | \$4,323 |

SEE 6" B-84-B HYDRANT PARTS DIAGRAM ON PAGE 22 & 23.

NOTES:

- The part numbers should be preceded by 60 to denote 6" Main Valve Opening.
- Part No. 84-19-SR includes two Snap Rings and Breakable and Non-Breakable Flanges.
- Part Nos. 84-20-3 and 84-25-3 include Nozzle Set Screws & O-Rings.
- Part No. 84-30-11 includes Rod Sleeve and Sleeve O-Ring.
- Part Nos. 84-21 and 84-26 include Cap Gasket.
- Part No. 84-30-12 includes Spring Plate Pin.
- Part No. 84-31 includes Lever Washers & Lever Rivets.
- Part No. 84-35-02 includes Drain Lever & Seat O-Rings.
- Part No. 84-15 requires paint color.
- Part Nos. 84-20-60 and 84-25-60 include Nozzle O-Ring & Retainer Washer.

6" B-84-B Traffic Hydrant Parts Diagram

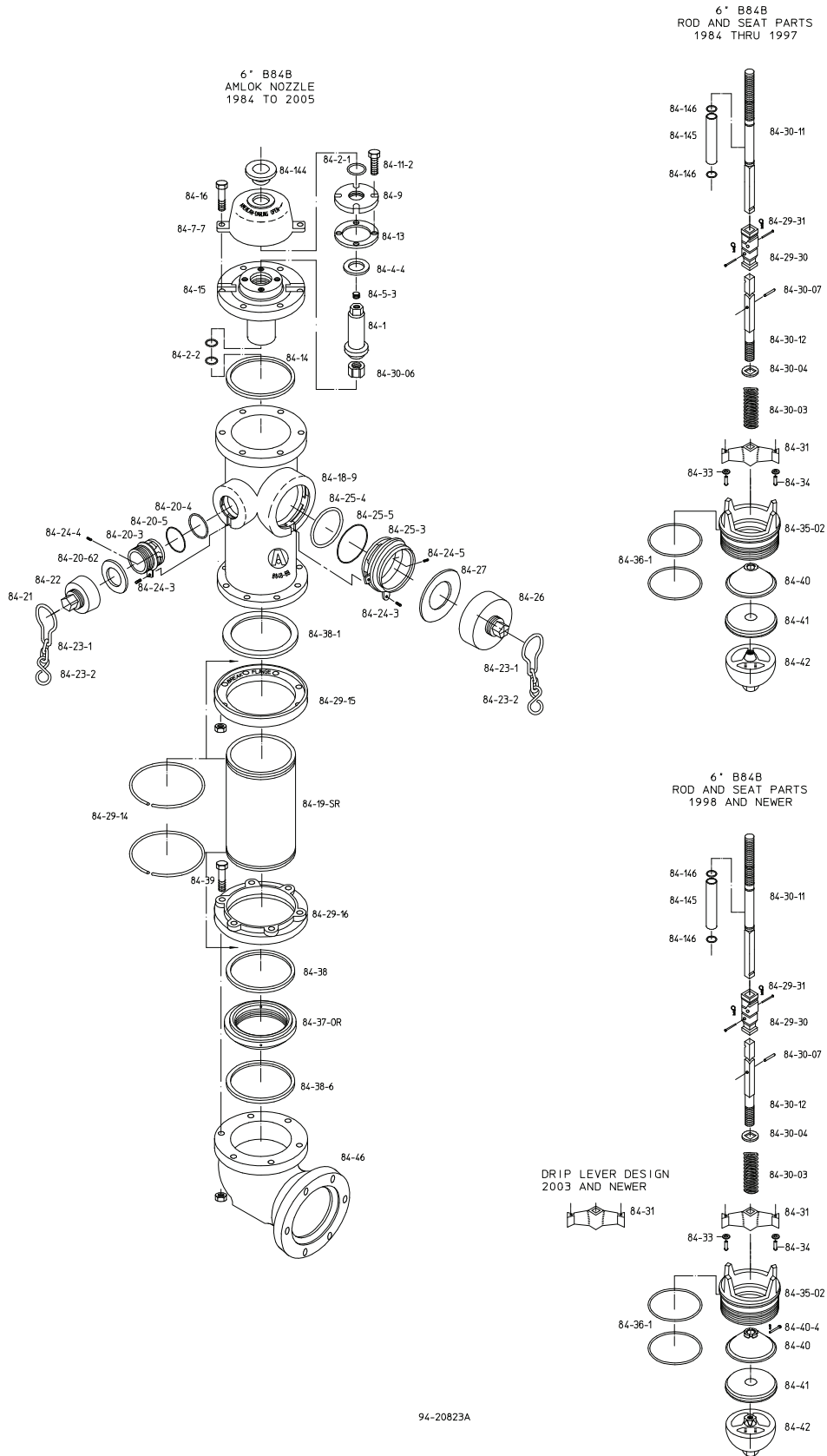


OCWU
T00032

[Back to Index](#)



6" B-84-B Traffic Hydrant Parts Diagram



OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

5-1/4" B-62-B Traffic Hydrant Repair Parts

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|-------------|-------------|--|---------------|
| 62-1 | | Operating Nut w/Pipe Plug | \$490 |
| 62-2-1 | | Housing Cover O-Ring | \$20 |
| 62-2-2 | | Housing O-Ring (2 required) | \$20 |
| 62-4-4 | | Thrust Washer | \$21 |
| 62-5-3 | | Pipe Plug | \$14 |
| *62-7-5 | | Tamper Resistant Weather Cover | \$298 |
| 62-7-7 | | Weather Cover w/Weather Shield | \$226 |
| 62-9 | | Housing Cover | \$156 |
| 62-11-2 | | Housing Cover Cap Screws (4 required) | \$14 |
| | | Housing Cover Cap Screws - 304 SS (4 required) | \$21 |
| 62-13 | | Housing Cover Gasket | \$20 |
| 62-14 | | Housing Gasket | \$20 |
| 62-15 | 10 | Housing | \$671 |
| 62-16 | | Housing Bolts and Nuts (6 required) | \$14 |
| | | Housing Bolts and Nuts - 304 SS (6 required) | \$21 |
| 62-18-60 | | Upper Barrel – 2 Hose & 1 Steamer Outlet | \$1,449 |
| | | Upper Barrel – 2 Hose & 1 Steamer Outlet (extended version) | \$1,549 |
| 62-19-SR | 2,9 | Lower Barrel – 5' Trench | \$2,319 |
| | | Add or Deduct for each 6" variance in trench | \$62 |
| 62-20-3 | 3 | Hose Nozzle (Amllok) | \$263 |
| 62-20-4 | 3 | Hose Nozzle O-Ring (Amllok) | \$20 |
| 62-20-5 | 3 | Hose Nozzle Spacer O-Ring (Amllok) | \$20 |
| 62-20-60 | 11 | Hose Nozzle (B62B-5) | \$186 |
| 62-20-61 | | Hose Nozzle O-Ring Seal (B62B-5) | \$20 |
| 62-20-62 | | Hose Nozzle Retainer (B62B-5) | \$88 |
| 62-20-63 | | Hose Nozzle Washer (B62B-5) | \$9 |
| 62-21 | 4 | Hose Nozzle Cap | \$140 |
| 62-22 | 4 | Hose Nozzle Cap Gasket | \$14 |
| 62-22C | | Captivator™ Hose Nozzle Cap Gasket | \$14 |
| 62-23-1 | | Hose Nozzle Cap Chain | \$32 |
| 62-23-18 | | Pumper Nozzle Cap Chain | \$41 |
| 62-24-3 | 3 | Nozzle Set Screw | \$11 |
| 62-24-4 | 3 | Nozzle Internal Set Screw | \$11 |
| 62-24-5 | 3 | Nozzle Internal Set Screw | \$11 |
| 62-25-3 | 3 | Pumper Nozzle (Amllok) | \$735 |
| 62-25-4 | 3 | Pumper Nozzle O-Ring (Amllok) | \$21 |
| 62-25-5 | 3 | Pumper Nozzle Spacer O-Ring (Amllok) | \$21 |
| 62-25-60 | 11 | Pumper Nozzle (B62B-5) | \$490 |
| 62-25-60-ST | | Storz Pumper Nozzle, 4" (with cap & gasket) | \$1,281 |
| | | Storz Pumper Nozzle, 5" (with cap & gasket) | \$1,397 |
| 62-25-61 | | Pumper Nozzle O-Ring Seal (B62B-5) | \$21 |
| 62-25-62 | | Pumper Nozzle Retainer (B62B-5) | \$114 |
| 62-25-63 | | Pumper Nozzle Retainer Washer (B62B-5) | \$14 |
| 62-26 | 4 | Pumper Nozzle Cap | \$350 |
| 62-26-ST | 4 | Storz Pumper Nozzle Cap, 4" | \$466 |
| | 4 | Storz Pumper Nozzle Cap, 5" | \$583 |
| 62-27 | 4 | Pumper Nozzle Cap Gasket | \$20 |
| 62-27C | | Captivator™ Pumper Nozzle Cap Gasket | \$20 |
| 62-27-ST | 4 | Storz Pumper Cap Gasket, 4" | \$79 |
| | 4 | Storz Pumper Cap Gasket, 5" | \$79 |
| 62-29-14 | 2 | Snap Ring (2 required) | \$53 |
| 62-29-15 | 2 | Breakable Flange | \$151 |
| 62-29-16 | 2 | Base Flange | \$168 |
| 62-29-30 | | Traffic Model Rod Coupling | \$137 |
| 62-29-40 | | Non-Traffic Rod Coupling (for Extension Kit) | \$137 |
| 62-29-31 | | Rod Coupling Pin and Clip Pins (2 required) | \$20 |
| 62-30-03 | | Spring | \$203 |
| 62-30-04 | | Spring Plate | \$21 |
| 62-30-06 | | Travel Stop Nut | \$72 |
| 62-30-07 | 6 | Spring Plate Pin | \$21 |
| 62-30-11 | 5 | Upper Rod | \$483 |
| | 5 | Upper Rod (extended version) | \$525 |
| 62-30-12 | 6 | Lower Rod – 5' Trench | \$490 |
| | | Add or Deduct for each 6" variance in trench | \$20 |

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|-----------|-------------|---|---------------|
| 62-31 | | Drain Lever | \$399 |
| 62-33 | 7 | Drain Lever Washer (3 required) | \$14 |
| 62-34 | 7 | Drain Lever Rivet (3 required) | \$14 |
| 62-35-OR | 8 | Hydrant Seat w/O-Rings (includes Drain Lever) | \$856 |
| 62-36-2 | | Seat O-Ring (Outside) | \$51 |
| 62-36-3 | | Seat O-Ring (Inside) | \$35 |
| 62-37-OR | | Drain Ring | \$804 |
| 62-38 | | Drain Ring Gasket | \$20 |
| 62-38-1 | | Barrel Gasket | \$20 |
| 62-38-6 | | Base Gasket | \$20 |
| 62-39 | | Base Bolt and Nut - 304 SS (6 required) | \$26 |
| *62-39-7 | | Frangible Bolt & Nut (1985 & Older) (8 required) | \$35 |
| 62-39-9 | | Barrel Bolt and Nut (8 required) | \$16 |
| | | Barrel Bolt and Nut - 304 SS (8 required) | \$24 |
| 62-40 | | Valve Top | \$137 |
| 62-41 | | Hydrant Valve | \$210 |
| 62-41-KIT | | Hydrant Valve Repair Kit - Consists of 1 Hydrant Valve, 1 Inside & Outside Seat O-Rings, & 1 Housing Cover Gasket. | \$314 |
| 62-42 | | Valve Bottom | \$242 |
| 62-46-2 | | 6" Flanged Base | \$1,428 |
| 62-46-5 | | 4" Mechanical Joint Base Less Acc. | \$1,533 |
| | | 6" Mechanical Joint Base Less Acc. | \$1,642 |
| | | 8" Mechanical Joint Base Less Acc. | \$1,707 |
| 62-46-PE | | 6" Plain End Base | \$1,738 |
| 62-46-TY | | 6" Tyton Base | \$1,428 |
| 62-144 | | Weather Shield | \$21 |
| 62-145 | 5 | Rod Sleeve | \$72 |
| 62-146 | 5 | Sleeve O-Ring (2 required) | \$11 |

| TOOLS PART # | DESCRIPTION | PRICE EACH |
|-----------------|-----------------------------------|---------------|
| 147 | Seat Wrench | \$574 |
| 149 | Hose Nozzle Wrench (Amllok) | \$175 |
| 150 | Pumper Nozzle Wrench (Amllok) | \$210 |
| | Operating Wrench - Adjustable | \$149 |
| | Storz Nozzle Adjustable Wrench | \$312 |
| | Tamper Resistant Cover Wrench | \$223 |
| | Travel Stop Nut Wrench | \$235 |
| | Retainer Wrench-Hose | \$420 |
| | Retainer Wrench-Pumper | \$613 |
| | Retainer Wrench-5" Storz (Hinged) | \$1,376 |

Complete Upper Barrel Assembly-DDP

\$4,218

- For extended upper barrel (20" groundline to pumper) add \$145

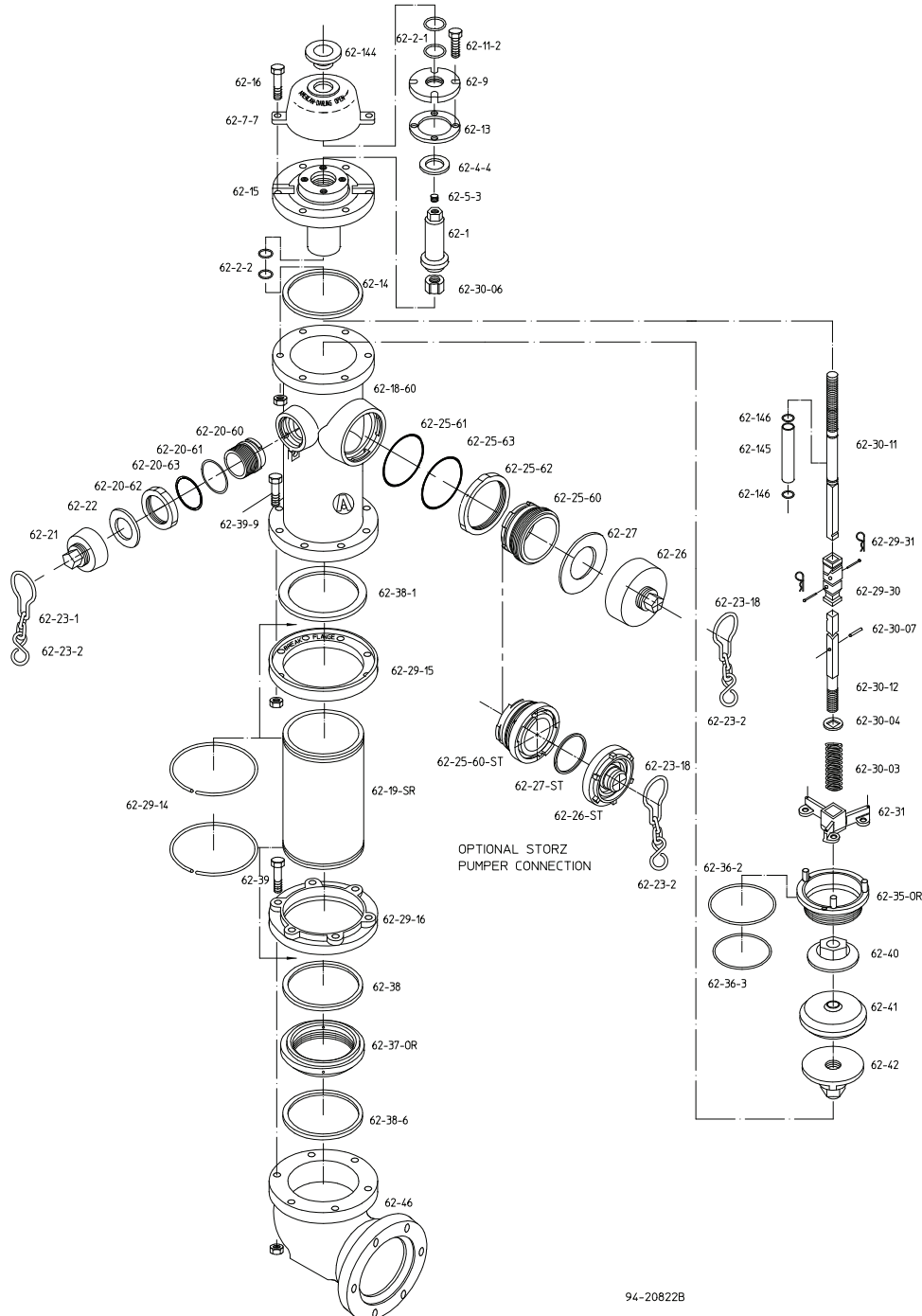
SEE 5-1/4" B-62-B HYDRANT PARTS DIAGRAM ON PAGE 25 & 26.

NOTES:

1. The part numbers should be preceded by 54 to denote 5 1/4" Main Valve Opening.
2. Part No. 62-19-SR includes two Snap Rings and Breakable and Non-Breakable Flanges.
3. Part Nos. 62-20-3 and 62-25-3 include Nozzle Set Screws & O-Rings.
4. Part Nos. 62-21 and 62-26 include Cap Gasket.
5. Part No. 62-30-11 includes Rod Sleeve and Sleeve ORing.
6. Part No. 62-30-12 includes Spring Plate Pin.
7. Part Nos. 62-33 and 62-34 were supplied on Drain Lever 2003 and prior.
8. Part No. 62-35-OR includes Drain Lever & Seat O-Rings.
9. When Part No. 62-19-9 is ordered, Part No. 62-19-SR with two Non-Breakable Flanges will be substituted.
10. Part No. 62-15 requires paint color.
11. Part Nos. 62-20-60 and 62-25-60 include Nozzle O-Ring & Retainer Washer.

5-1/4" B-62-B Traffic Hydrant Parts Diagram

AMERICAN-DARLING
5 1/4" B62B-5
MECHANICALLY ATTACHED NOZZLES
STARTING IN 2005

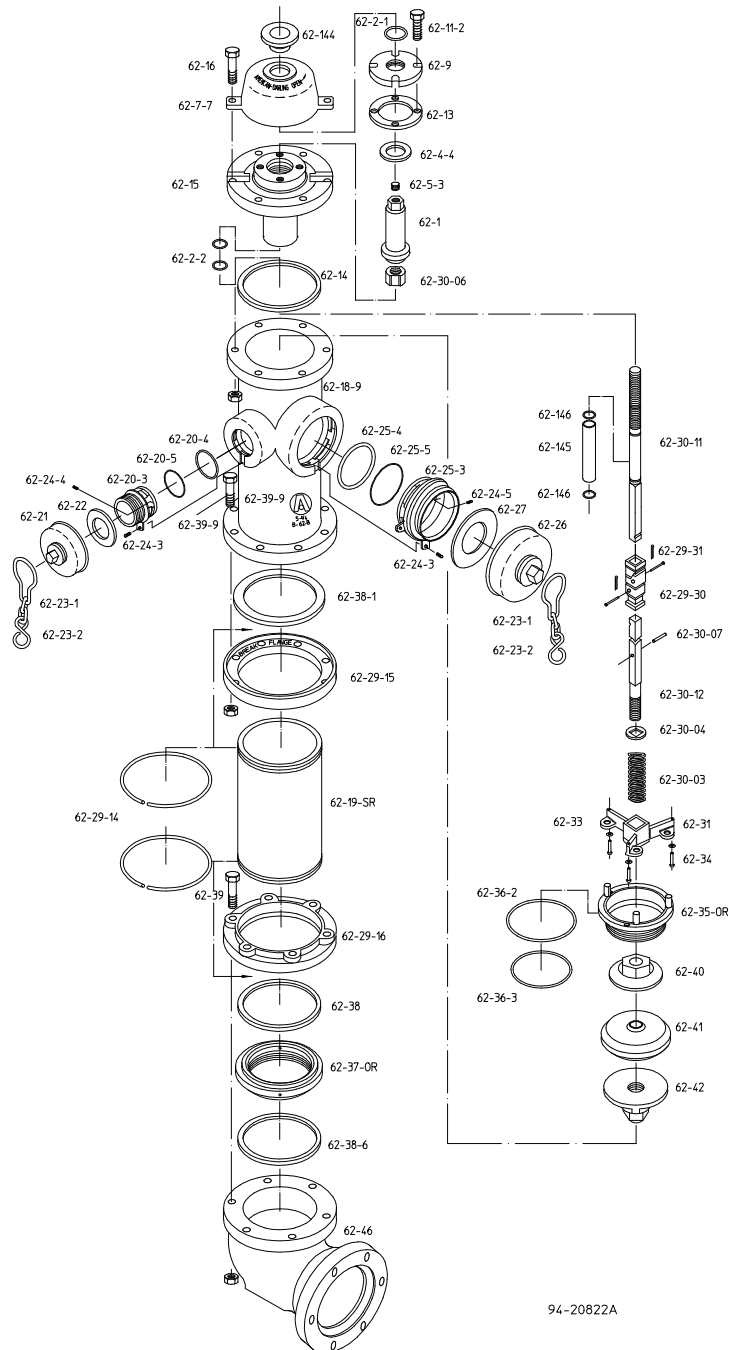


94-20822B

OCWUT 00032

5-1/4" B-62-B Traffic Hydrant Parts Diagram

AMERICAN-DARLING
5 1/4 " B62B AND
5 1/4 " B62B-1
(1986 AND NEWER WITH SNAP RING LOWER BARREL)
WITH AMLOK NOZZLES
1980 TO 2005



OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY**B-50-B Regular & Quick-Fix Hydrant Repair Parts**

| PART # | SEE NOTE | DESCRIPTION | 4" | 4½" | 5" | 6" |
|-----------|-------------|---|---------|---------|---------|---------|
| 50-1 | | Operating Nut w/Pipe Plug | \$483 | \$483 | \$555 | \$555 |
| 50-2-1 | | Housing Cover O-Ring | \$20 | \$20 | \$20 | \$20 |
| 50-2-2 | | Housing O-Ring | \$20 | \$20 | \$20 | \$20 |
| 50-4 | | Ball Bearing | \$126 | \$126 | \$137 | \$137 |
| 50-5-3 | | Pipe Plug | \$14 | \$14 | \$14 | \$14 |
| 50-7 | | Hydrant Cover | \$224 | \$224 | \$382 | \$529 |
| 50-9 | | Housing Cover | \$156 | \$156 | \$315 | \$315 |
| 50-11-2 | | Housing Cover Screws | \$14 | \$14 | \$14 | \$14 |
| 50-13 | | Housing Cover Gasket | \$20 | \$20 | \$20 | \$20 |
| 50-14 | | Housing Gasket | \$20 | \$20 | \$21 | \$32 |
| 50-15 | 6 | Housing | \$671 | \$671 | \$956 | N/A |
| 50-16 | | Housing Bolts and Nuts | \$14 | \$14 | \$20 | \$20 |
| 50-18-9 | | Upper Barrel | N/A | N/A | N/A | N/A |
| 50-19-SR | | Lower Barrel 5' Trench | \$2,319 | \$2,319 | \$2,729 | \$4,172 |
| | | Add or Deduct for each 6" variance in trench | \$62 | \$62 | \$72 | \$84 |
| 50-20-3 | 5 | Hose Nozzle (Amllok) | \$263 | \$263 | \$263 | \$263 |
| 50-20-4 | 5 | Hose Nozzle O-Ring (Amllok) | \$20 | \$20 | \$20 | \$20 |
| 50-20-5 | 5 | Hose Nozzle Spacer O-Ring (Amllok) | \$20 | \$20 | \$20 | \$20 |
| 50-21 | 3 | Hose Nozzle Cap | \$203 | \$203 | \$203 | \$203 |
| 50-22 | 3 | Hose Nozzle Cap Gasket | \$14 | \$14 | \$14 | \$14 |
| 50-23-1* | | Nozzle Cap Chain Single | \$32 | \$32 | \$32 | \$32 |
| 50-23-2* | | S-Hook | \$14 | \$14 | \$14 | \$14 |
| 50-24-3 | 5 | Nozzle Set Screw | \$11 | \$11 | \$11 | \$11 |
| 50-24-4 | 5 | Nozzle Internal Set Screw | \$11 | \$11 | \$11 | \$11 |
| 50-24-5 | 5 | Nozzle Internal Set Screw | \$11 | \$11 | \$11 | \$11 |
| 50-25-3 | 5 | Pumper Nozzle (Amllok) | \$735 | \$735 | \$735 | \$735 |
| 50-25-4 | 5 | Pumper Nozzle O-Ring (Amllok) | \$21 | \$21 | \$21 | \$21 |
| 50-25-5 | 5 | Pumper Nozzle Spacer O-Ring (Amllok) | \$21 | \$21 | \$21 | \$21 |
| 50-26 | 3 | Pumper Nozzle Cap | \$350 | \$350 | \$350 | \$350 |
| 50-27 | 3 | Pumper Nozzle Cap Gasket | \$20 | \$20 | \$20 | \$20 |
| 50-29-13 | | Non-Breakable Flange | \$168 | \$168 | \$168 | \$168 |
| 50-29-14 | | Snap Ring | \$53 | \$53 | \$53 | \$53 |
| 50-29-30* | | Rod Coupling (Traffic) | \$137 | \$137 | \$137 | \$137 |
| 50-29-31 | | Rod Coupling Pin & Clip Pin | \$20 | \$20 | \$20 | \$20 |
| 50-29-40 | | Rod Coupling (Non-Traffic) | \$137 | \$137 | \$137 | \$137 |
| 50-30-11 | 1 | Upper Hydrant Rod | \$405 | \$405 | \$476 | \$510 |
| 50-30-12 | 2 | Lower Hydrant Rod for 5' Trench | \$457 | \$457 | \$539 | \$573 |
| | | Add or Deduct for each 6" variance in trench | \$14 | \$14 | \$20 | \$20 |
| 50-30-01 | 2 | Rod Stop Plate | \$14 | \$14 | \$14 | \$14 |
| 50-30-02 | 2 | Stop Plate Rivet | \$11 | \$11 | \$11 | \$11 |
| 50-31 | 4,7 | Drain Lever (includes Hydrant Seat) | \$774 | \$847 | \$938 | \$1,637 |
| 50-32 | | Cotter Pins | \$11 | \$11 | \$11 | \$11 |
| 50-33 | 4 | Drain Lever Washers | \$14 | \$14 | \$14 | \$14 |
| 50-34 | 4 | Drain Lever Rivets | \$14 | \$14 | \$14 | \$14 |
| 50-35 | 8 | Hydrant Seat (includes Drain Lever) | \$774 | \$847 | \$938 | \$1,637 |
| 50-36 | | Hydrant Seat Gasket | \$62 | \$72 | \$77 | \$95 |
| 50-37 | | Drain Ring | \$772 | \$823 | \$1,150 | \$1,533 |
| 50-38 | | Drain Ring Gasket | \$20 | \$20 | \$21 | \$32 |
| 50-38-1 | | Flange Gasket | \$20 | \$20 | \$21 | \$35 |
| 50-38-6 | | Base Gasket | \$20 | \$20 | \$21 | \$35 |
| 50-39 | | Base Bolts and Nuts | \$21 | \$21 | \$21 | \$21 |
| 50-39-7 | | Frangible Bolts & Nuts (Traffic Model) | \$35 | \$35 | \$51 | N/A |
| 50-39-9 | | Barrel Bolts & Nuts | \$21 | \$21 | \$21 | \$21 |
| 50-40 | | Hydrant Valve Top | \$146 | \$151 | \$174 | \$294 |
| 50-41 | | Hydrant Valve | \$174 | \$210 | \$224 | \$247 |
| 50-42 | | Hydrant Valve Bottom | \$126 | \$137 | \$224 | \$447 |
| | | Hydrant Valve Complete | \$434 | \$489 | \$613 | \$982 |
| 50-43 | | Hydrant Rod Seal | \$116 | \$116 | \$135 | \$135 |

| PART # | SEE NOTE | DESCRIPTION | 4" | 4½" | 5" | 6" |
|------------------------|-------------|---------------------------------|---------|---------|------|---------|
| 50-44 | | Hydrant Rod Nut | \$14 | \$14 | \$20 | \$20 |
| 50-45 | | Hydrant Rod Lock Nut | \$20 | \$20 | \$21 | \$21 |
| 50-46-5* | | Base 6" Mechanical Joint | \$1,642 | \$1,642 | N/A | \$2,250 |
| 50-46-2 | | Base 6" Flange End | \$1,428 | \$1,428 | N/A | \$2,190 |
| 50-145 | | Rod Sleeve | \$62 | \$62 | \$72 | \$72 |
| 50-146 | | Sleeve O-Ring (2 required) | \$11 | \$11 | \$11 | \$11 |
| QUICK-FIX MODEL | | | | | | |
| 50-18-7* | | Upper Barrel – DDP | N/A | N/A | N/A | N/A |
| 50-19-7* | | Lower Barrel | N/A | N/A | N/A | N/A |
| 50-29-18* | | Quik-Fix Segments | \$72 | \$72 | \$77 | N/A |
| 50-29-19* | | Segment Bolt & Nut (4 required) | \$20 | \$20 | \$20 | \$20 |
| 50-29-20* | | Quik-Fix Gasket | \$21 | \$21 | \$51 | \$84 |

| TOOLS PART # | DESCRIPTION | 4" | 4½" | 5" | 6" |
|-----------------|----------------------|-------|-------|-------|-------|
| | Operating Wrench | \$149 | \$149 | \$149 | \$149 |
| 147 | Seat Wrench | \$405 | \$405 | \$574 | \$574 |
| 149 | Hose Nozzle Wrench | \$175 | \$175 | \$175 | \$175 |
| 150 | Pumper Nozzle Wrench | \$210 | \$210 | \$210 | \$210 |

* Not Shown on Drawing

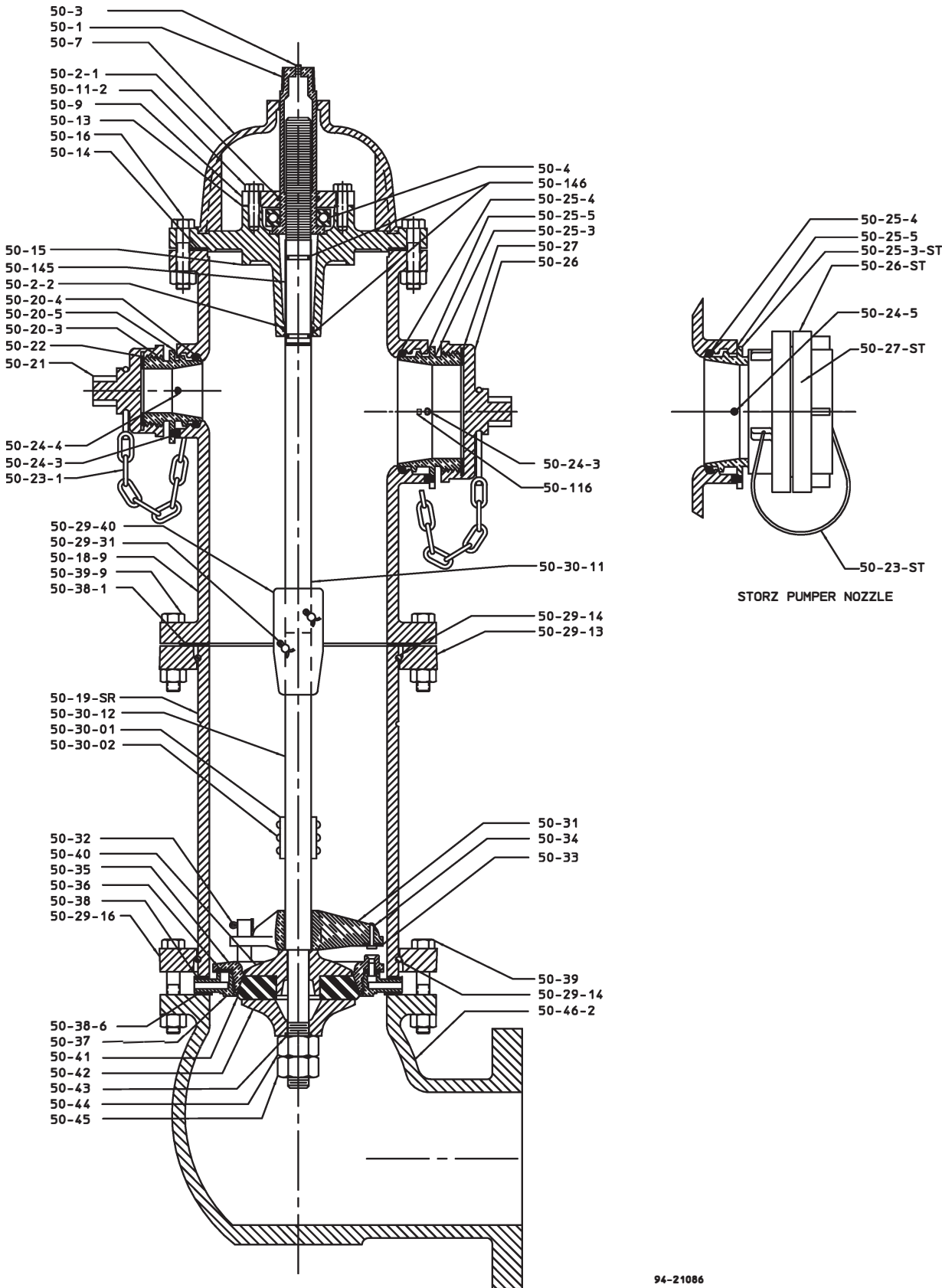
**SEE B-50-B HYDRANT
PARTS DIAGRAM ON
PAGE 28.****NOTES:**

1. Part No. 50-30-11 includes Rod Sleeve.
2. Part No. 50-30-12 includes Stop Plates & Rivets.
3. Part Nos. 50-21 & 50-26 include Cap Gasket.
4. Part No. 50-31 includes Drain Lever with Integral Washers.
5. Part Nos. 50-20-3 and 50-25-3 include Nozzle Set Screws & O-Rings.
6. Part No. 50-15 requires paint color.
7. Part No. 50-31 includes Hydrant Seat (50-35).
8. Part No. 50-35 includes Drain Lever (50-31).

[Back to Index](#)



B-50-B Hydrant Parts Diagram

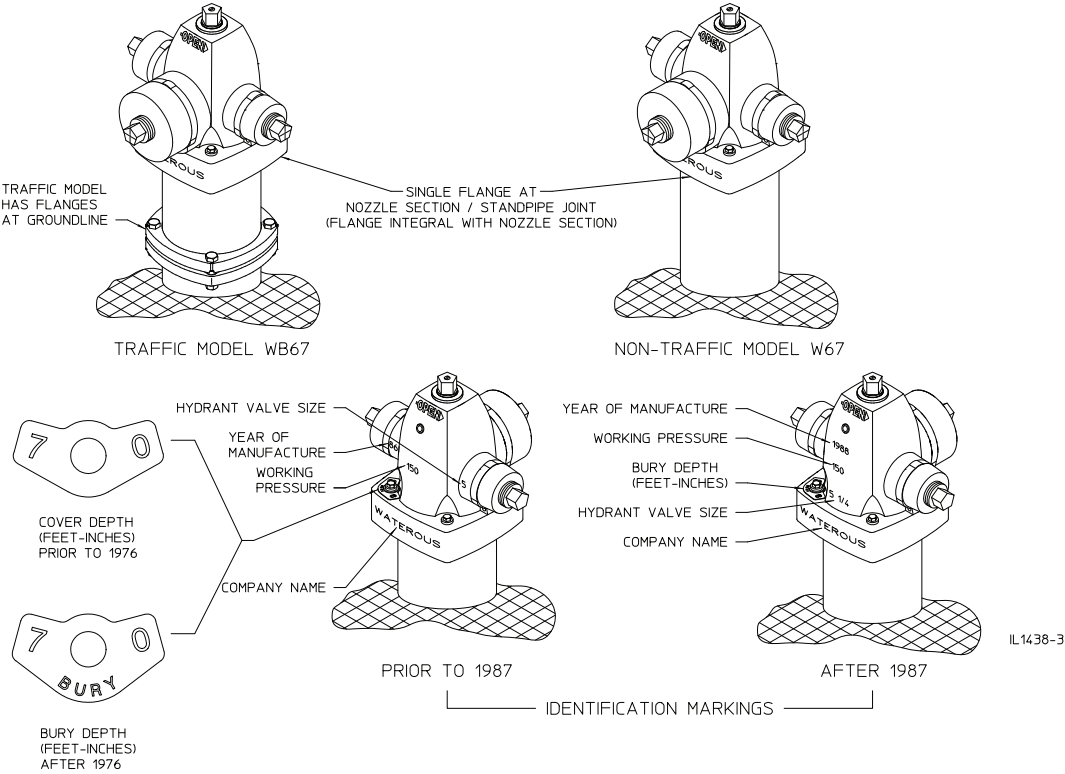


94-21086

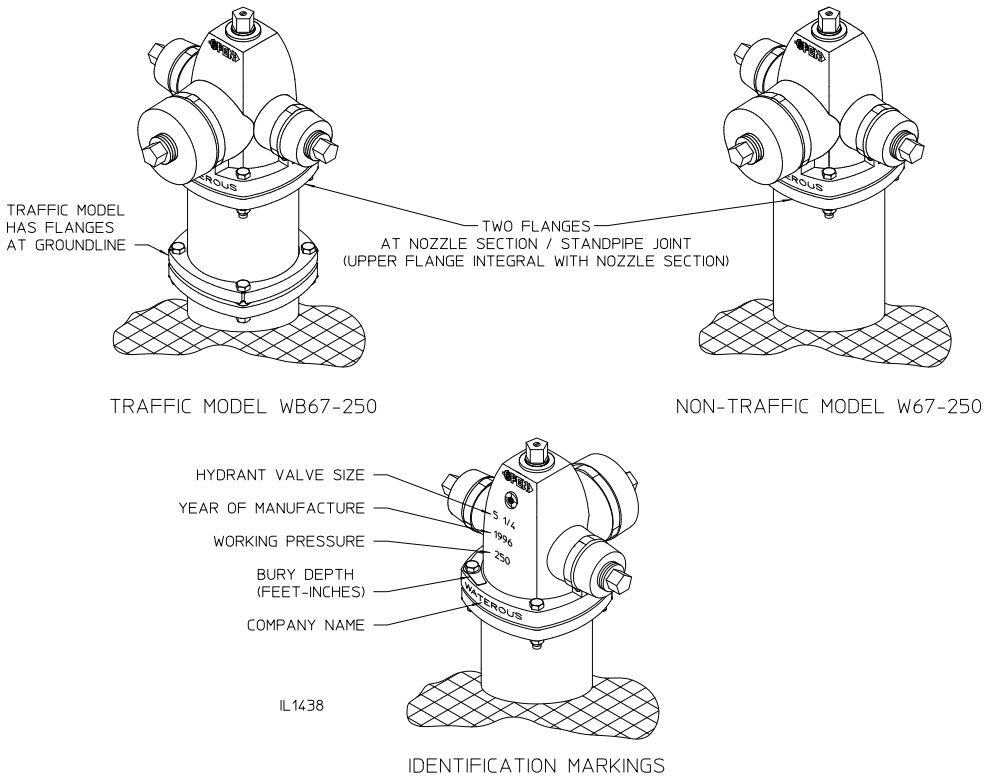
OCWUT 00032

Pacer Hydrant Variations

150 PSI Working Pressure Gray Iron Pacer (Models W67 and WB67 built from 1967 to 1996)



250 PSI Working Pressure Ductile Iron Pacer (Models W67-250 and WB67-250 built from 1996 to present)



OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY**Pacer Hydrant Parts W67/WB67/W67-250/WB67-250**

| SEE PART # | NOTE | DESCRIPTION | PRICE EACH |
|---------------|-------|--|---------------|
| 3 | | O-ring (Lower valve seat), 5-5/8 x 6-3/64 | \$14 |
| 5 | | Lower Standpipe Gasket | \$20 |
| 6A | | Hex Hd Bolt, 5/8-11 x 3-3/4 in. | \$14 |
| | | Hex Hd Bolt, 5/8-11 x 3-3/4 in. - 304 SS | \$21 |
| 6B | | Hex Hd Bolt, 5/8-11 x 3 in. | \$14 |
| | | Hex Hd Bolt, 5/8-11 x 3 in. - 304 SS | \$21 |
| 6C | | Hex Nut, 5/8-11 (Above grade) | \$6 |
| | | Hex Nut, 5/8-11 (Below grade) - 304 SS | \$11 |
| 6D | | Hex Hd Bolt (reduced size hex head) 5/8-11 x 3 in. | \$63 |
| | | Hex Hd Bolt (reduced size hex head) 5/8-11 x 3-3/4 in. | \$63 |
| 7 | | Drain Plunger | \$35 |
| 8 | 14 | Cotter Pin, 1/4 x 1-1/2 in. | See note |
| 9A | | Nozzle Cap Chain - Single | \$32 |
| 9B | | Nozzle Cap Chain - Double | \$62 |
| 10 | 1 | Nozzle Cap w/Gasket - Hose | \$140 |
| | 1 | Nozzle Cap w/Gasket - Pumper | \$350 |
| 11 | | Cap Gasket - Hose | \$14 |
| | 2 | Cap Gasket - Pumper | \$20 |
| 12 | 3 | Nozzle - Hose | \$186 |
| | 3 | Nozzle - Pumper | \$490 |
| 16 | | Flat Hd Screw, 1/4-20 x 1/2 in. | \$6 |
| 17 | 4 | Operating Nut (one-piece) with Weather Shield | \$368 |
| | 4 | Operating Nut (one-piece) without Weather Shield | \$235 |
| | 5 | Operating Nut (two-piece) with Weather Shield | \$569 |
| 17A | 6 | Lower Operating Nut | \$77 |
| 17B | 5,18 | Upper Operating Nut (Includes Ref #90) | \$140 |
| 28 | 7 | Rod (non-traffic model) | \$739 |
| 29 | 8 | Lower Standpipe (traffic model) 3'-0" and Under | \$898 |
| | 8 | Standpipe (non-traffic model) 3'-0" and Under | \$1,098 |
| | | Add for each additional 6" | \$203 |
| 30 | | Crossarm | \$149 |
| 31 | | Valve Seat (Includes ref #3 & #77) | \$429 |
| 34 | | Upper Valve Washer - Piloted | \$53 |
| | | Upper Valve Washer - Bronze Piloted | \$149 |
| 35 | | Upper Valve Washer - Anti-Chatter | \$167 |
| | | Main Valve - Urethane | \$140 |
| 36 | | Lower Valve Washer - Standard Epoxy | \$79 |
| 37 | | Hydrant Bottom/Base | POA |
| 40 | 9 | Upper Standpipe (traffic model 10") | \$686 |
| | | Add for each additional 6" | \$203 |
| 54 | | Drain Bushing | \$14 |
| 56 | | Support Wheel (Includes Ref # 59) | \$149 |
| 57 | | O-ring (operating nut), 1-1/2 x 1-3/4 | \$6 |
| 59 | | O-ring (support wheel), 1-1/8 x 1-3/8 (3 required) | \$6 |
| 60 | 11,19 | Nozzle Section - Bare Casting Only W/WB67-250 | \$1,176 |
| 61 | 8 | Bury Depth Plate with Washer | \$14 |
| 62 | 13 | Lock Ring Clamp | N/A |
| 62B | 11 | Upper Standpipe Flange for Standard Pacer | \$130 |
| | 11 | Upper Standpipe Flange for Classic Pacer | \$153 |
| 63 | | Standpipe Flange | \$105 |
| 64 | | Flange Lock Ring | \$18 |
| 67 | | Coupling Sleeve (two-halves required) | \$27 |
| | | Coupling Sleeve (two-halves required) Bronze | \$100 |
| 71 | 10 | Upper Rod Assy w/Studs & Nuts (WB-traffic model) | \$340 |
| 72 | 8 | Lower Rod w/Studs & Nuts 1-3/4 (WB traffic model) | \$420 |
| 77 | | O-ring (upper valve seat), 5-7/8 x 6-1/4 | \$21 |
| 80 | | Thrust Washer (prior to 1970) | \$21 |
| 81 | | Groove Pin, 3/32 x 7/16 in. | \$6 |
| 82 | | O-Ring (upper tube seal), 2-3/8 x 2-5/8 | \$6 |
| 83 | | O-Ring (lower tube seal), 1-7/8 x 2-1/8 | \$6 |
| 84 | | Support Wheel/Lower Standpipe Gasket (2 Required) | \$6 |

| SEE PART # | NOTE | DESCRIPTION | PRICE EACH |
|---------------|------|--|---------------|
| 85 | | Support Tube | \$79 |
| 86 | 6 | Stop Nut, 1" - 8 | \$14 |
| 87 | | Coupling Nut, 1/2-20 (4 required) | \$9 |
| 88 | | Coupling Stud, 1/2-20 x 2-9/16 in. (2 required) | \$20 |
| 89 | | Nozzle Section Bushing | \$62 |
| 90 | | Thrust Ring (Since 1970) | \$14 |
| 92 | | Upper Standpipe Gasket (Lipped) | \$21 |
| 97 | | Valve Seat Insert (bronze) (Prior to Sept 2005) | \$592 |
| 99 | | Pipe Plug, 1/4 NPT | \$6 |
| 101 | 5 | Weather Shield Nut | \$210 |
| 102 | | Spirol Pin, Hvy, 1/4 x 2-1/4 in. | \$14 |
| 113 | 11 | Breakable Flange | \$114 |
| 116 | | O-Ring (pumper nozzle), 5-1/4 x 5-3/4 | \$21 |
| 117 | 11 | Pumper Nozzle Retainer | \$63 |
| 118 | | O-ring (Hose nozzle), 3-1/4 x 3-5/8 | \$20 |
| 119 | 12 | Hose Nozzle Retainer | \$46 |
| 162 | | Weather Shield Nut Gasket | \$21 |
| 163 | 15 | Nozzle, Pumper, Storz (With Cap and Gasket) 4" | \$1,281 |
| | | Nozzle, Pumper, Storz (With Cap and Gasket) 5" | \$1,397 |
| 164 | 15 | Nozzle Cap, Pumper, Storz 4" | \$466 |
| | | Nozzle Cap, Pumper, Storz 5" | \$583 |
| 165 | 16 | Cap Gasket, Pumper, Storz 4" | \$79 |
| 165 | 16 | Cap Gasket, Pumper, Storz 5" 2006 thru current | \$79 |
| 165 | 16 | Cap Gasket, Pumper, Storz 5" 2005 and older | \$79 |
| 173 | | Valve Seat Insert (After Sept 2005) | \$699 |
| 174 | | Valve Seat Insert Gasket | \$9 |
| 175 | | Pipe plug (After Sept 2005) (2 Required) | \$9 |
| 176 | | Stud, 5/8-11 x 5.650 in. 304SS | \$39 |
| | | Stud, 5/8-11 x 5.650 in. 316SS | \$126 |
| 179 | 17 | Clevis Pin, 1/4 x 1-11/16 in. (includes ref # 180) | \$11 |
| 180 | | Kickout Ring, 1/4 (Included with ref #179) | - |

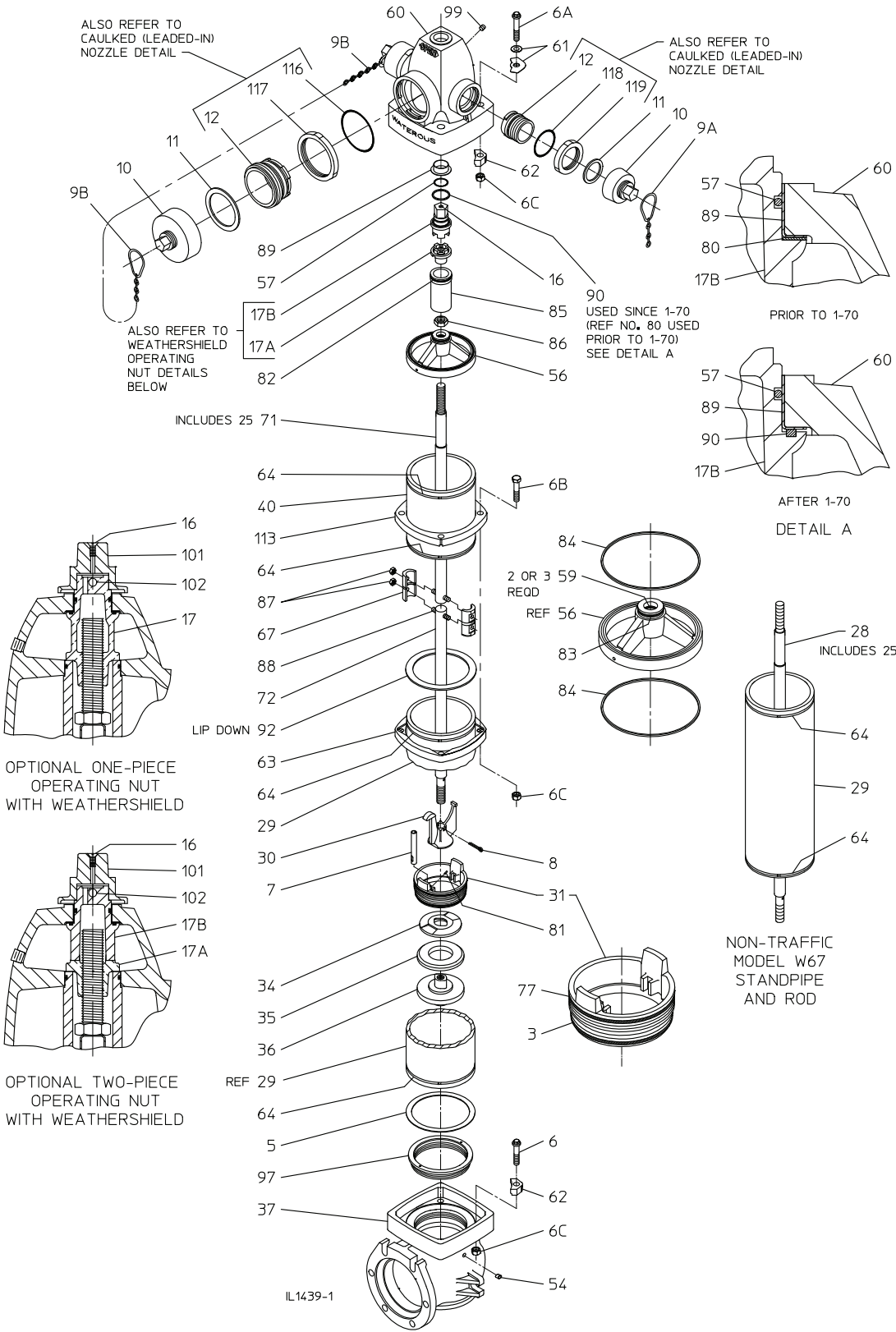
**ALL PRICING IS PER EACH
SEE PACER HYDRANT
PARTS DIAGRAMS ON
PAGE 31 & 32.**

NOTES: Please include the following information when ordering:

1. Thread specification; nut size; color
2. Thread specification
3. Mech attached thread only
4. Direction of opening; nut size; color
5. Nut size; color
6. Direction of opening
7. Direction of opening; bury depth
8. Bury depth
9. Upper standpipe length; color
10. Direction of opening; upper standpipe length
11. Color
12. Thread specification; color
13. Ref #62, no longer available, furnish 4 lug conversion flange 72937 at \$242
14. Replaced by clevis pin and kickout ring.
15. Specify size and color if applicable; 4" or 5"
16. Specify size and year.
5" for the year 2005 or prior use K1125-2
5" for the year 2006 thru current use K1125-1
4" for the year 2006 thru current use K1125
17. Includes ref # 180 kickout ring, 1/4
18. Specify Standard Pacer or Pacer Classic
19. Pricing for Classic Pacer nozzle is POA

Parts List-Gray Iron Pacer

150 PSI Working Pressure Gray Iron Pacer (Models W67 and WB67)

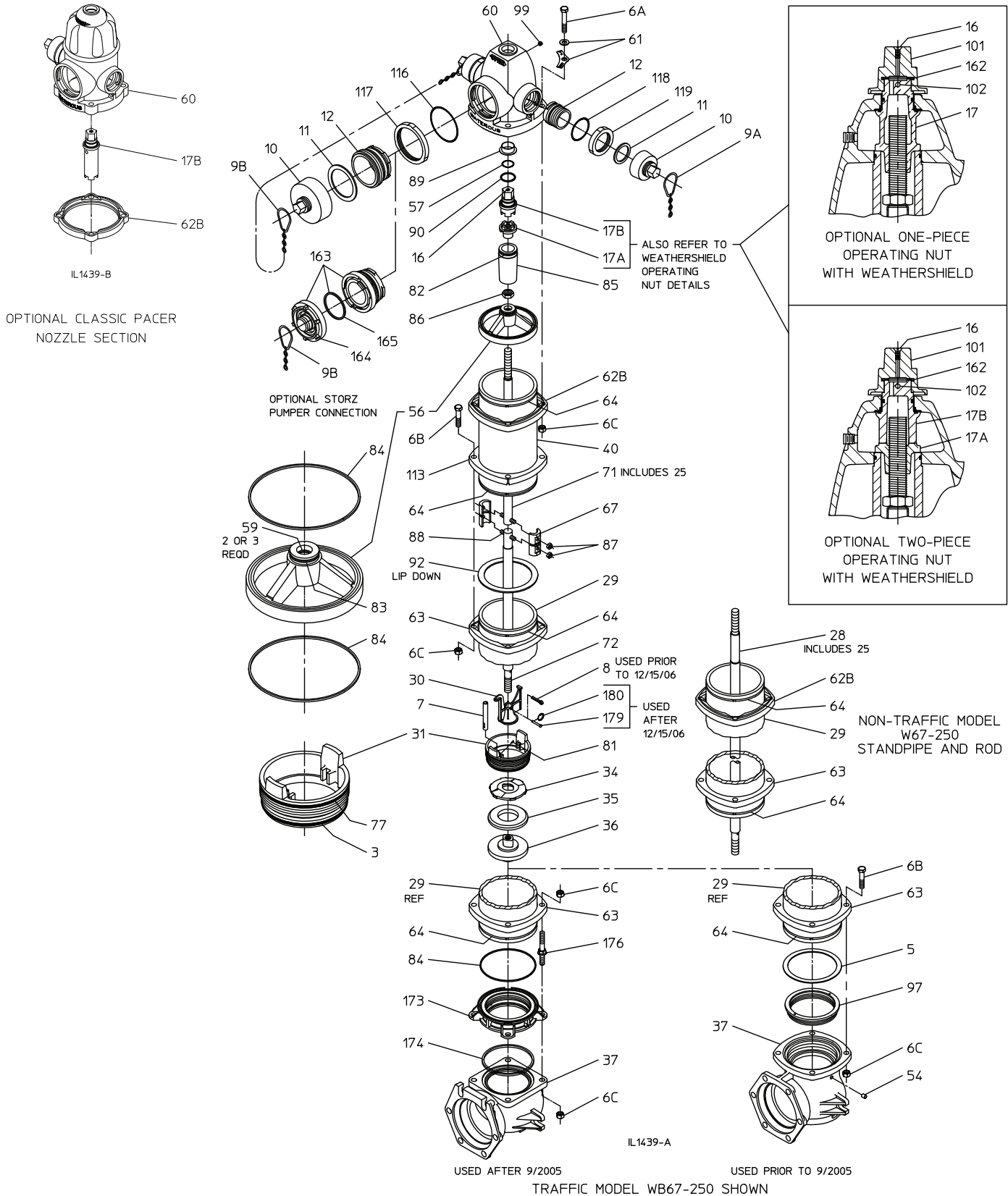


OCWUT 00032

TRAFFIC MODEL WB67 SHOWN

Parts List-Ductile Iron Pacer

250PSI Working Pressure Ductile Iron Pacer (Models W67-250 and WB67-250)



OCWUT 00032



Pacer Hydrant Repair Kits

| KIT NAME | DIAGRAM SEE PAGE | SEE NOTE | W67/WB67-250 NON-TRAFFIC | WB67/WB67-250 TRAFFIC | PRICE |
|---|---------------------|-------------|-----------------------------|--------------------------|---------|
| Breakable Coupling Assembly | 35 | — | — | K430 | \$256 |
| Rod Extension Assembly – 12" min. | — | 2 | K432 | — | \$431 |
| Rod Extension Assembly | — | 1 | — | K431 | \$331 |
| Standpipe Extension – 12" min. | — | 1 | K434 | — | \$1,196 |
| Standpipe Extension – 6" min. | — | 1 | — | K434-B | \$1,082 |
| Add for each additional 6" | — | — | — | — | \$168 |
| Top Section Gasket | 34 | — | K435 | K435 | \$84 |
| Upper Valve Rod (with Coupling) | 36 | 2 | — | K436 | \$476 |
| Upper Valve Rod (without Coupling) | 36 | 2 | — | K712 | \$340 |
| Bottom Extension – 12" | 35 | 1 | K444 | K444 | \$3,303 |
| Add for each additional 6" | — | — | — | — | \$119 |
| Maintenance Kit in Plastic Case | — | — | K449-UP | K449-UP | \$1,600 |
| Nozzle Section Assembly Conversion for W/WB-67 | 34 | 8 | K836 | K836 | \$3,077 |
| Nozzle Section Assembly Conversion W/WB-67 (Classic Style) | 34 | 8 | K1140 | K1140 | \$3,348 |
| Lower Valve Rod 1-3/8" | 36 | 4 | — | K499X | \$644 |
| Standpipe conversion 10" to 16" | — | 11 | — | K1112 | \$1,187 |
| Standpipe Assembly – 3' and Under – W67-250 (Old Style Bottom) | 36 | 4 | K864 | — | \$1,458 |
| Standpipe Assembly – 3' and Under – W67-250 (New Style Bottom) | 36 | 4 | K1089 | — | \$1,458 |
| Standpipe Assembly – 3' and Under – WB67-250 (Old Style Bottom) | 36 | 4 | — | K863 | \$1,253 |
| Standpipe Assembly – 3' and Under – WB67-250 (New Style Bottom) | 36 | 4 | — | K1088 | \$1,253 |
| Standpipe Assembly – 3' and Under – W67 | — | 4 | K500 | — | \$1,269 |
| Standpipe Assembly – 3' and Under – WB67 | — | 4 | — | K501 | \$1,134 |
| Add for each additional 6" | — | — | — | — | \$168 |
| Valve Rod Assembly – 1-3/8" | 36 | 5 | K502X | — | \$804 |
| Inside Assembly – 1-3/8" | 35 | 6 | K503/K503A | — | \$2,130 |
| Inside Assembly – 1-3/8" | 35 | 6 | — | K504/K504A | \$2,447 |
| Complete Top Assembly – 10" | 34 | 7 | — | K834 | \$5,690 |
| Add for each additional 6" | — | — | — | — | \$168 |
| Valve Seat Assembly with Bronze Upper Washer and Epoxy Lower Washer | 35 | — | K537A | K537A | \$1,194 |
| Nozzle Section Bushing Replacement Kit - All Years | — | 9 | K976 | K976 | \$100 |
| Nozzle Section Bushing Replacement - Built Prior to 2000 | — | 9 | 52915 | 52915 | \$62 |
| Nozzle Section Bushing Replacement - Built After 2000 | — | 10 | 52836 | 52836 | \$62 |
| No Oil to Oil Reservoir Kit | — | — | K862 | K862 | \$394 |

NOTES: Please include the following information when ordering:

1. Extension Length.
2. Direction of Opening; Length
3. Direction of Opening; Thread Specification; Nut Size; Color
4. Bury Depth.
5. Direction of Opening; Bury Depth.
6. Direction of Opening; Bury Depth; Year of Manufacture.
7. Nozzle Configuration; Threads; Nut Size; Bury Depth; Color
8. Direction of Opening; Thread Specification; Nut Size; Bury Depth; Color
9. K976 will work with all year Pacer models & includes instructions, operating nut o-ring & thrust washer/ring.
10. O-ring and back-up ring on bushing must be used.
11. Direction of Opening; Color

The lower operating rod should be replaced instead of using the existing rod with a rod extension, in cases where:

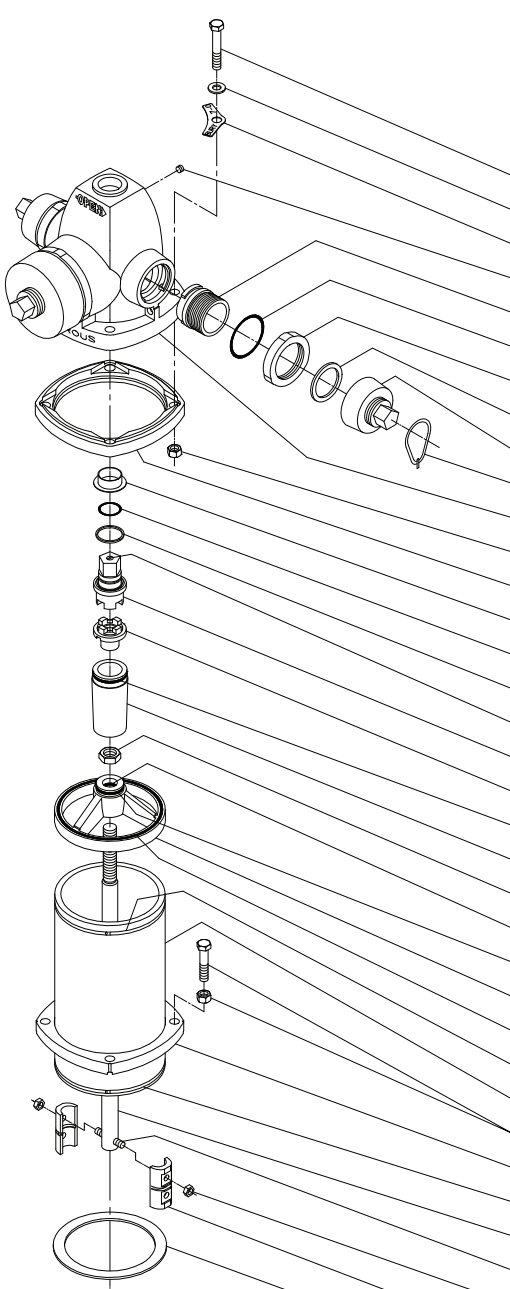
- the bury depth of the extended hydrant exceeds 9'6" .
- the length of the required rod extension exceeds 4', or
- the hydrant rod has already been extended. Only one rod extension should be installed on a hydrant.

A bottom extension should be used if the bury-depth of the extended hydrant will exceed 11'6" .

[Back to Index](#)



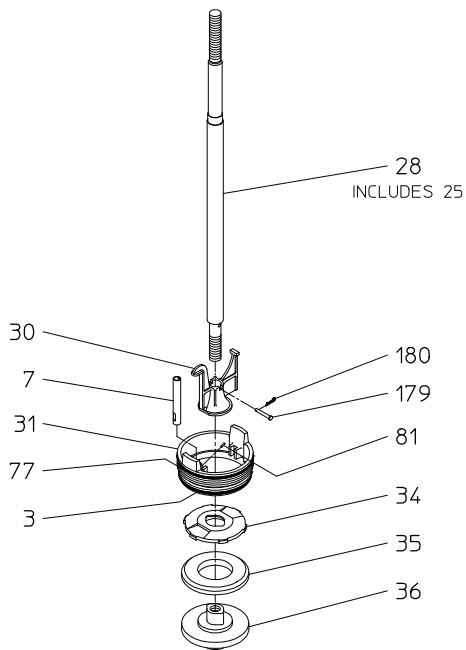
Pacer Hydrant Repair Kits Diagram



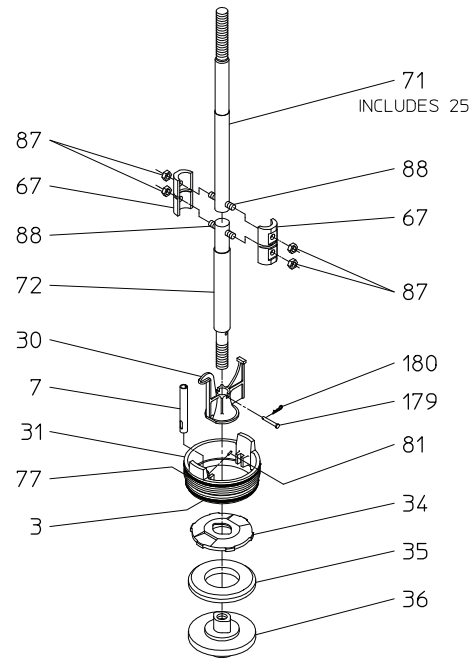
| REF NO. | COMPLETE TOP ASSY KIT K 834 K 834-U | NOZZLE SECTION CONV/REPL KIT K 836 | TOP SECTION GASKET KIT K 435 | CLASSIC NOZZLE SECTION CONVERSION K 1140 K 1141 |
|---------|---|---------------------------------------|---------------------------------|---|
| 6A | X | X | | X |
| 61 | X | X | | X |
| 61 | X | X | | X |
| 99 | X | X | | X |
| 12 | X | X | | X |
| 116/118 | X | X | | X |
| 117/119 | X | X | | X |
| 11 | X | X | | X |
| 10 | X | X | | X |
| 9A, 9B | X | X | | X |
| 60 | X | X | | X |
| 6C | X | X | | X |
| 62B | X | X | | X |
| 89 | X | X | | X |
| 57 | X | | X | X |
| 90 | X | | | X |
| 16 | X | | | |
| 17B | X | | | X |
| 17A | X | | | X |
| 82 | X | | X | |
| 85 | X | | | |
| 86 | X | | | |
| 59 | X | | X | |
| 83 | X | | X | |
| 56 | X | | | |
| 84 | X | | X | |
| 64 | X | | | |
| 40 | X | | | |
| 6B, 6C | X | | | |
| 113 | X | | | |
| 64 | X | | | |
| 71 | X | | | |
| 88 | X | | | |
| 87 | X | | | |
| 67 | X | | | |
| 92 | X | | | |

OCWUT 00032

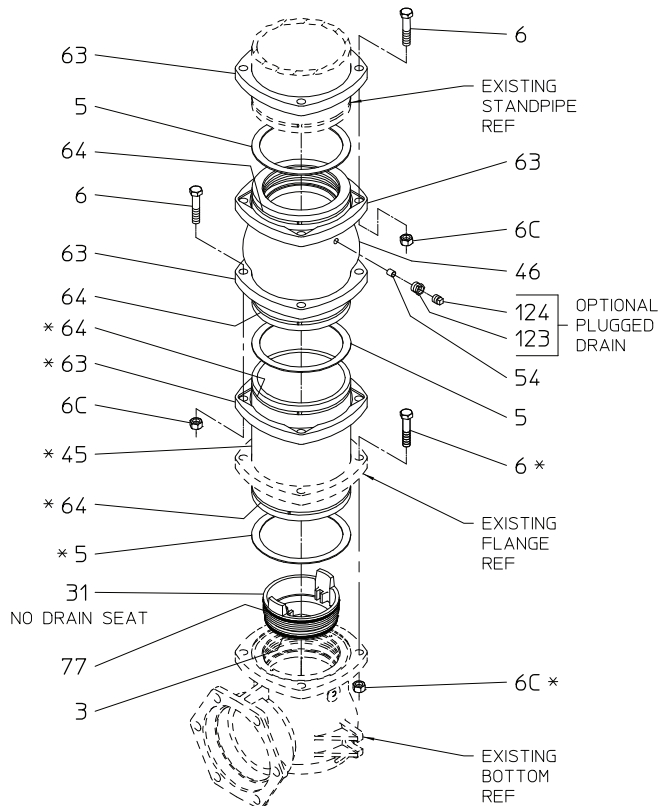
Pacer Hydrant Repair Kits Diagram



W67/W67-250 COMPLETE INSIDE ASSY KIT
W67 BUILT PRIOR TO 1971 - K 503
W67/W67-250 BUILT AFTER 1971 - K 503-A

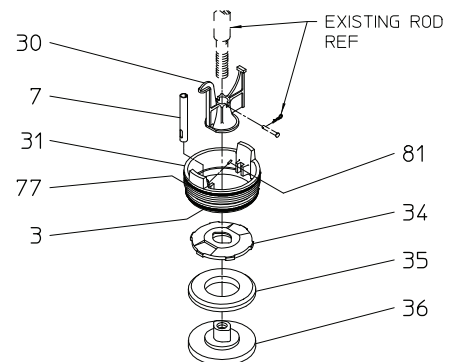


WB67/WB67-250 COMPLETE INSIDE ASSY KIT
WB67 BUILT PRIOR TO 1971 - K 504
WB67/WB67-250 BUILT AFTER 1971 - K 504-A

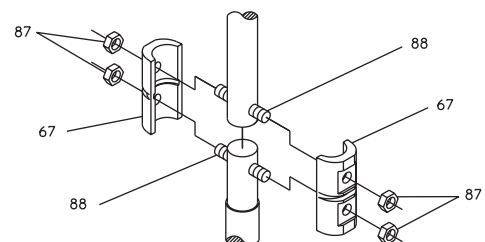


BOTTOM EXTENSION KIT K 444

* THESE PARTS ARE NOT REQD ON -12 KITS

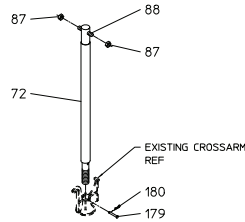


PILOTED UPPER WASHER VALVE SEAT ASSY
(ANTI-CHATTER) KIT K 537

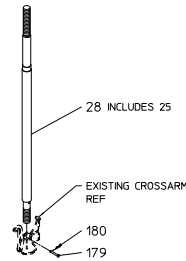


BREAKABLE COUPLING KIT K 430

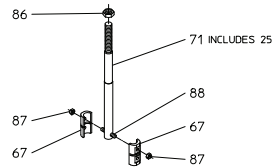
Pacer Hydrant Repair Kits Diagram



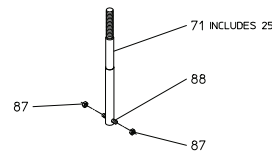
WB67/WB67-250 LOWER ROD KIT K 499



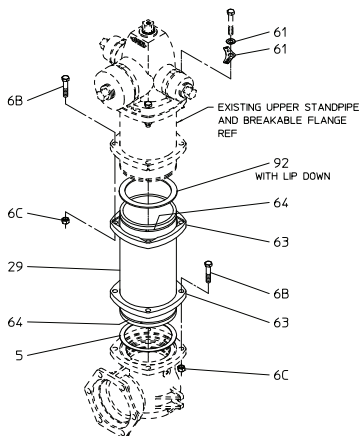
W67/W67-250 ROD ASSEMBLY KIT K 502



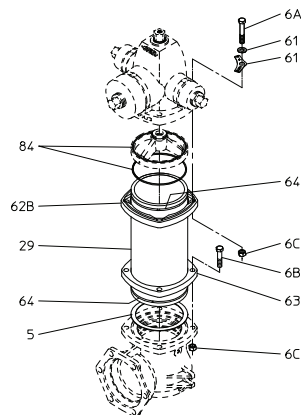
WB67/WB67-250 UPPER ROD KIT K 436
WITH COUPLING



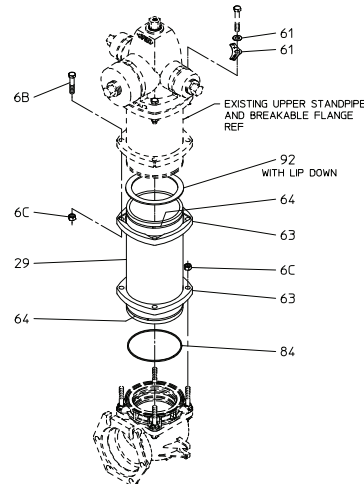
WB67/WB67-250 UPPER ROD KIT K 712
WITHOUT COUPLING



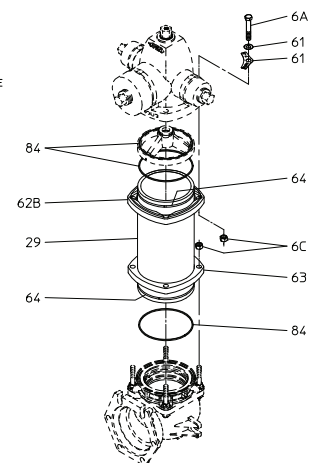
WB67-250 STANDPIPE KIT K 863
OLD STYLE BOTTOM



W67-250 STANDPIPE KIT K 864
OLD STYLE BOTTOM



WB67-250 STANDPIPE KIT K 1088
NEW STYLE BOTTOM



W67-250 STANDPIPE KIT K 1089
NEW STYLE BOTTOM

OCWUT 00032



Trend Hydrant Parts WT77D/WB77

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|--------|-------------|---|---------------|
| 1* | | Flat Head Screw (WT-77D/WB-77) | \$6 |
| 2 | 1 | Weather Shield Nut | \$294 |
| 3 | | Groove Pin | \$32 |
| 4 | | O-Ring (3 required) | \$6 |
| 5 | | Thrust Bushing (2 required) | \$6 |
| 6 | 2, 12 | Operating Nut (WT-77D/WB-77) | \$434 |
| 7* | 3 | Nozzle Cap – Hose | \$203 |
| | 3 | Nozzle Cap – Pumper | \$350 |
| 8* | | Nozzle Cap Gasket – Hose | \$14 |
| | 4 | Nozzle Cap Gasket – Pumper | \$20 |
| 9* | 4 | Nozzle – Hose | \$242 |
| | 4 | Nozzle – Pumper | \$686 |
| 10* | | Chain – Single | \$32 |
| | | Chain – Double | \$62 |
| 11 | 7 | Top Section – Bare Casting (WB-77 Only) | \$1,238 |
| 12 | 2 | Upper Rod with Stud, Nuts, Pin and O-Rings (WB-77) | \$483 |
| | 2 | Upper Rod (WT-77D) | \$483 |
| | 2 | Upper Rod Conversion (WT-77) | \$1,484 |
| 13* | | Knurled Stud (2 required) | \$20 |
| 14* | | Coupling Half (2 required) | \$27 |
| | | Coupling Half – Bronze | \$100 |
| 15* | | Self Locking Nut (4 required) | \$9 |
| 16 | | Gasket | \$14 |
| 17A* | | Bolt - Reduced Head | \$63 |
| | | Bolt - Std Head Stainless Steel | \$21 |
| 17B* | | Nut | \$6 |
| | | Nut - 304 Stainless Steel | \$6 |
| 18* | | Washer | \$6 |
| 19* | 8 | Bury Depth Plate with Washer | \$14 |
| 20 | 5 | Flange (WT-77D) | \$294 |
| 21* | | Clamp (8 required) | N/A |
| 22 | | Standpipe Ring (2 required) | \$35 |
| 23* | 6 | Lower Rod with Stud, Nuts, Pin | \$644 |
| 24 | 8 | Standpipe – 3'0" and Under | \$945 |
| | | Add for each additional 6" | \$156 |
| 25* | 11 | Cotter Pin (See note 11 for pricing) | \$0 |
| 26 | | Crossarm – Bronze | \$247 |
| 27* | | Drain Plunger - Bronze | \$35 |
| | | Drain Plunger - Acetal | \$35 |
| 28* | | Groove Pin | \$6 |
| 29 | | Valve Seat with 2 #31 O-Rings | \$686 |
| 31 | | O-Ring (2 required) | \$14 |
| 32 | | Valve Rubber | \$104 |
| 33 | | Lower Washer | \$146 |
| 34 | | Upper Washer | \$51 |
| | | Upper Washer – Piloted | \$300 |
| 36* | | Drain Bushing (2 required) | \$14 |
| 37 | | Operating Nut Housing (WT-77D/WB-77) | \$298 |
| 38 | | O-Ring (WT-77D/WB-77) | \$6 |
| 39 | | Groove Pin (WT-77D/WB-77) | \$14 |
| 46* | | Bolt & Nut (4 required) (WB-77) | \$20 |
| 49 | 5 | Gasket – Lipped | \$21 |
| 53 | | Pumper Nozzle Retainer (WB-77) | \$63 |

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|--------|-------------|--|---------------|
| 54* | 9 | Hose Nozzle Retainer (WB-77) | \$46 |
| 55 | | Pumper Nozzle O-Ring Seal (WB-77) | \$21 |
| 56* | | Hose Nozzle O-Ring Seal (WB-77) | \$20 |
| 57 | 5 | Upper Standpipe (WB-77) | \$646 |
| 58 | 5 | Breakable Flange (WB-77) | \$114 |
| 59 | | Standpipe Flange (WB-77) | \$119 |
| 179 | 10 | Clevis Pin, 1/4 x 1-11/16 in. (includes ref # 180) | \$11 |
| 180 | | Kickout Ring, 1/4 (Included with ref #179) | - |

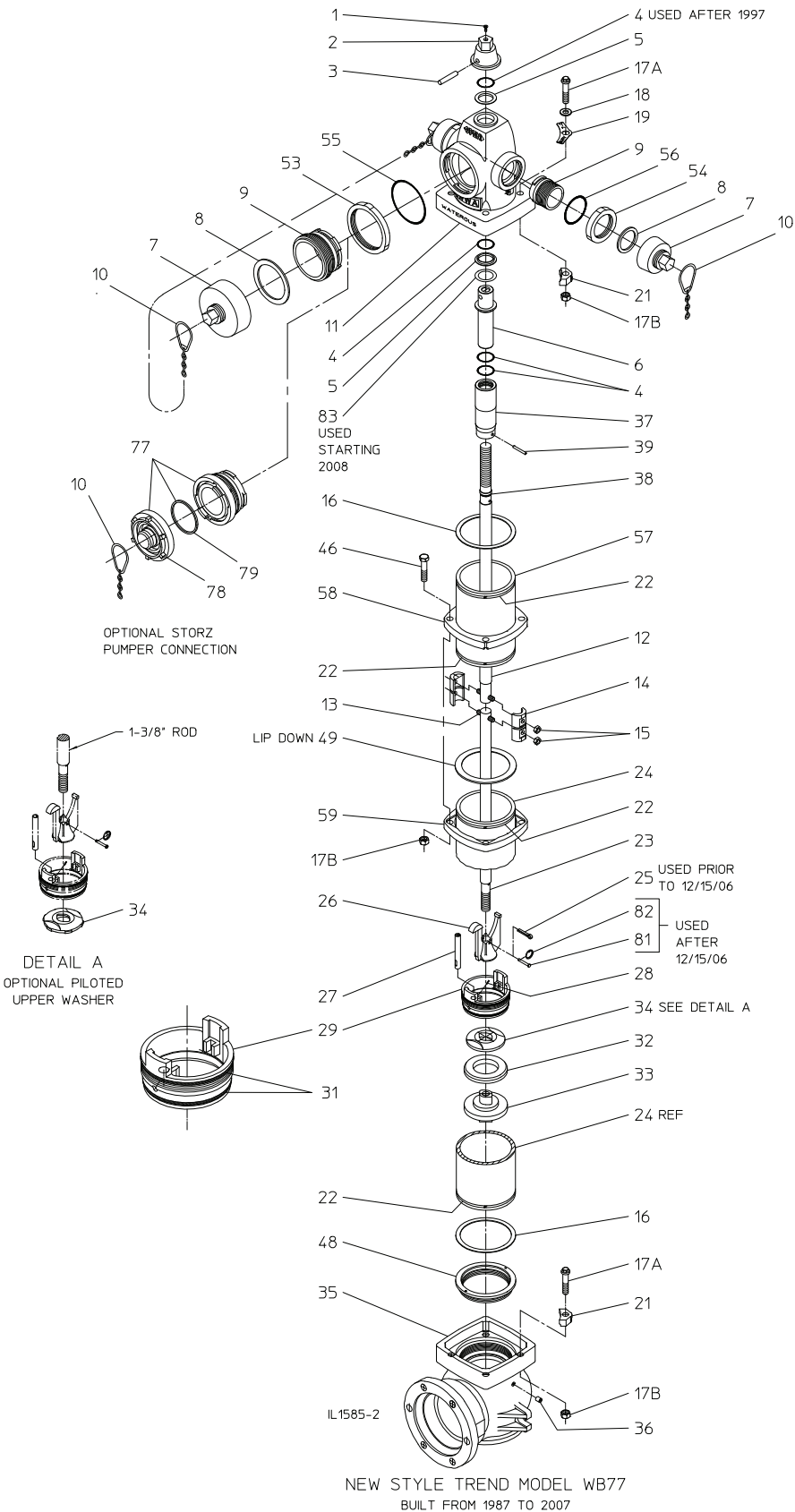
* These parts are interchangeable with Pacer & Trend WB77-1 hydrant parts.

**SEE TREND HYDRANT
PARTS DIAGRAM ON
PAGE 38.**

NOTES: Please include the following information when ordering:

1. Nut Size; Color
2. Direction of Opening
3. Thread Specification; Nut Size; Color
4. Thread Specification
5. Color
6. Bury Depth; Standard or Heavy Duty Rod
7. Direction of Opening; Color; Nozzle Configuration
8. Bury Depth
9. Thread Specification; Color
10. Includes Ref # 180 Kickout ring, 1/4 in.
11. Replaced by Clevis Pin & Kickout Ring (use ref #179 & 180).
12. Only available as a refurbished part.

Trend Hydrant WT77D/WB77 Parts Diagram



OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

Trend Hydrant Parts WB77-1

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|--------|----------|--|------------|
| 3 | A | O-ring (Lower valve seat), 5-5/8 x 6-3/64 | \$14 |
| 5 | A | Lower Standpipe Gasket | \$20 |
| 6A | A | Hex hd bolt, 5/8-11 x 3-3/4 in. | \$14 |
| 6B | A | Hex hd bolt, 5/8-11 x 3 in. | \$14 |
| | A | Hex Nut, 5/8-11 (Above grade) | \$21 |
| 6C | A | Hex Nut, 5/8-11 (Above grade) | \$6 |
| | A | Hex Nut, 5/8-11 (Below grade) 304SS | \$6 |
| 6D | A | Hex hd bolt (reduced size hex hd) 5/8-11 x 3 in. | \$63 |
| 6E | A | Hex hd bolt (reduced size hex hd) 5/8-11 x 3-3/4 in. | \$63 |
| 7 | A | Drain Plunger - Bronze | \$35 |
| 8 | 13 | Cotter Pin, 1/4 x 1-1/2 in. | See note |
| 9A | A | Nozzle Cap Chain - Single | \$32 |
| 9B | A | Nozzle Cap Chain - Double | \$62 |
| 10 | 1, A | Nozzle Cap w/Gasket - Hose | \$140 |
| | 1, A | Nozzle Cap w/Gasket - Pumper | \$350 |
| 11 | A | Cap Gasket - Hose | \$14 |
| | 2, A | Cap Gasket - Pumper | \$20 |
| 12 | 3, A | Nozzle - Hose | \$186 |
| | 3, A | Nozzle - Pumper | \$490 |
| 16 | A | Flat hd screw, 1/4-20 x 1/2 in. | \$6 |
| 17 | 4, A | Operating Nut (one-piece) with Weather Shield | \$368 |
| | 4, A | Operating Nut (one-piece) without Weather Shield | \$235 |
| | 5, A | Operating Nut (two-piece) with Weather Shield | \$569 |
| | A | Upper Section of Two Piece Weather Shield Nut | \$163 |
| 17A | 6, A | Lower operating nut | \$77 |
| 17B | 5, A | Upper operating nut (Includes ref # 90) | \$140 |
| 29 | 8, A | Lower Standpipe (traffic model) 3'-0" and Under | \$898 |
| | 8 | Standpipe (non-traffic model) 3'-0" and Under | \$1,098 |
| | | Add for each additional 6" | \$203 |
| 30 | B | Crossarm - Bronze | \$247 |
| 31 | | Valve seat (Includes o-ring ref #3 & #77) | \$1,187 |
| 34 | B | Upper Washer - Primed | \$44 |
| | | Upper Washer - Epoxy Coated | \$51 |
| | | Upper Washer - Piloted | \$223 |
| 35 | B | Main Valve Urethane | \$104 |
| 36 | B | Lower Valve Washer | \$146 |
| 37 | B | Hydrant Bottom/Base | POA |
| 40 | 9 | Upper Standpipe (10" traffic section) | \$686 |
| | 9 | Add for each additional 6" | \$203 |
| 56 | A | Support wheel (Includes ref # 59) | \$149 |
| 57 | A | O-ring (Operating nut), 1-1/2 x 1-3/4 | \$6 |
| 59 | A | O-ring (Support wheel), 1-1/8 x 1-3/8 (3 required) | \$6 |
| 60 | 6, 11 | Nozzle section | \$1,176 |
| 61 | 8, A | Bury depth plate w/Washer | \$14 |
| 62 | | Lock Ring Clamp | N/A |
| 62B | 11, A | Upper standpipe flange | \$130 |
| 63 | A | Standpipe flange | \$105 |
| 64 | A | Flange lock ring | \$18 |
| 67 | A | Coupling Sleeve (two-halves required) | \$27 |
| 67 | A | Coupling Sleeve (two-halves required) Bronze | \$100 |
| 71 | 10, A | Upper rod assembly (Includes stud & lock nuts) | \$340 |
| 72 | 8, A | Lower rod (Includes stud and lock nuts) | \$420 |
| 77 | A | O-ring (Upper valve seat), 5-7/8 x 6-1/4 | \$21 |
| 81 | A | Groove pin, 3/32 x 7/16 in. | \$6 |
| 82 | A | O-ring (Upper tube seal), 2-3/8 x 2-5/8 | \$6 |
| 83 | A | O-ring (Lower tube seal), 1-7/8 x 2-1/8 | \$6 |
| 84 | A | Support wheel / Lower standpipe gasket (2 required) | \$6 |
| 85 | A | Support tube | \$79 |
| 86 | 6, A | Stop nut, 1"-8 | \$14 |
| 87 | A | Coupling nut, 1/2-20 (4 required) | \$9 |
| 88 | A | Coupling stud, 1/2-20 x 2-9/16 in. (2 required) | \$20 |

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|--------|----------|---|------------|
| 89 | A | Nozzle section bushing | \$62 |
| 90 | A | Thrust ring | \$14 |
| 92 | A | Upper standpipe gasket (Lipped) | \$21 |
| 99 | A | Pipe plug, 1/4 NPT | \$6 |
| 101 | 5, A | Weathershield nut | \$210 |
| 102 | A | Spirol pin, hvy, 1/4 x 2-1/4 in. | \$14 |
| 113 | 11, A | Breakable flange | \$114 |
| 116 | A | O-ring (Pumper nozzle), 5-1/4 x 5-3/4 | \$21 |
| 117 | 11, A | Pumper nozzle retainer | \$63 |
| 118 | A | O-ring (Hose nozzle), 3-1/4 x 3-5/8 | \$20 |
| 119 | 12, A | Hose nozzle retainer | \$46 |
| 162 | A | Weathershield nut gasket | \$21 |
| 163 | 14, A | Nozzle, Pumper, Storz (With Cap and Gasket) 4" | \$1,281 |
| 163 | A | Nozzle, Pumper, Storz (With Cap and Gasket) 5" | \$1,397 |
| 164 | 14, A | Nozzle Cap, Pumper, Storz 4" | \$466 |
| 164 | A | Nozzle Cap, Pumper, Storz 5" | \$583 |
| 165 | 15, A | Cap gasket, pumper, Storz | \$79 |
| 165 | 15, A | Cap Gasket, Pumper, Storz 5" 2006 thru current | \$79 |
| 165 | 15, A | Cap Gasket, Pumper, Storz 5" 2005 and older | \$79 |
| 173 | A | Valve seat insert | \$699 |
| 174 | A | Valve seat insert gasket | \$9 |
| 176 | A | Stud, 5/8-11 x 5.650 in. 304SS | \$39 |
| 176 | A | Stud, 5/8-11 x 5.650 in. 316SS | \$126 |
| 179 | 16, A | Clevis pin, 1/4 x 1-11/16 in. (Includes ref #180) | \$11 |
| 180 | A | Kickout ring, 1/4 (Included with ref #179) | - |

ALL PRICING IS PER EACH

SEE TREND HYDRANT
PARTS DIAGRAM ON
PAGE 40.

NOTES: Please include the following information when ordering:

1. Thread specification; nut size; color
2. Thread specification
3. Mech attached thread only
4. Direction of opening; nut size; color
5. Nut size; color
6. Direction of opening
7. Direction of opening; bury depth
8. Bury depth
9. Upper standpipe length; color
10. Direction of opening; upper standpipe length
11. Color
12. Thread specification; color
13. Replaced by clevis pin and kickout ring (use ref 179 & 180).
14. Specify size and color if applicable; 4" or 5"
15. Specify size and year.

5" for the year 2005 or prior use K1125-2

5" for the year 2006 thru current use K1125-1

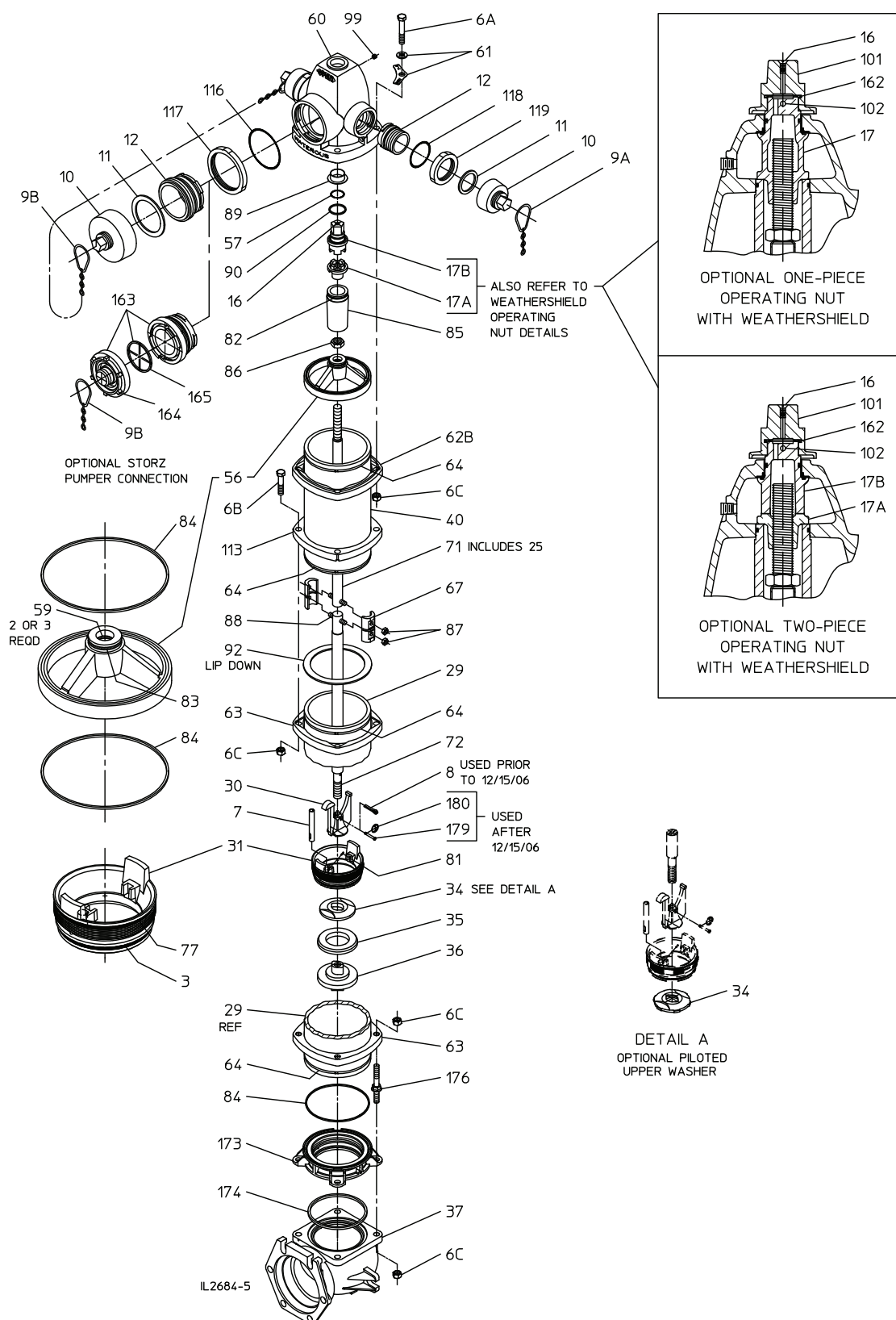
4" for the year 2006 thru current use K1125

16. Includes ref # 180 kickout ring, 1/4

A. These parts are interchangeable with Pacer WB67-250

B. These parts are interchangeable with Trend WB77

Trend Hydrant WB77-1 Parts Diagram

TREND MODEL WB77-1
BUILT FROM 2006 TO PRESENT

OCWUTO0032



Trend Hydrant Repair Kits

| KIT NAME | DIAGRAM SEE PAGE | SEE NOTE | WT77D DRY TOP | WB77 | WB77-1 | PRICE |
|---|---------------------|-------------|------------------|---------|-----------------|---------|
| Breakable Coupling Assembly | 45 | — | *K430 | *K430 | *K430 | \$256 |
| Rod Extension Assembly | — | 1 | *K431 | *K431 | *K431 | \$331 |
| Upper Valve Rod (with Coupling) | 45 | 7 | — | — | *K436 | \$476 |
| Upper Valve Rod (without Coupling) | 43 | 4 | K713 | K713 | — | \$510 |
| Upper Valve Rod (without Coupling) | 45 | 4 | — | — | *K712 | \$340 |
| Lower Valve Rod | 45 | 9 | *K499-X | *K499-X | *K499-X | \$644 |
| Standpipe Assembly – 3' and Under – WB67-250 (New Style Bottom) | 45 | 6 | — | — | K1088 | \$1,253 |
| Complete Inside Assembly WB77-1 | 44 | — | — | — | K1120-X | \$2,447 |
| Bottom Extension – 12" | 44 | 1 | — | — | K444 | \$3,303 |
| Add for each additional 6" | — | — | — | — | — | \$119 |
| Maintenance in Plastic Case WB77 / WT77D | — | — | K481-P | K481-P | — | \$1,285 |
| Maintenance in Plastic Case WB77-1 Only | — | — | — | — | K1118-UP | \$1,600 |
| Gasket Kit - Top Section WB77-1 Only | — | — | — | — | K435 | \$53 |
| Old Style Trend to Pacer Top Assembly Conversion | — | — | K1180 | K1180 | — | \$3,233 |
| Top Assembly (DDP) NLA, See note 8 | 43 | 8 | — | NLA | — | \$4,272 |
| Top Assembly (DDP) WB77-1 Only | 42 | — | — | — | K1119-1L or -1R | \$2,037 |
| Top Assembly (DD) NLA, See note 8 | — | 8 | — | NLA | — | \$3,576 |
| Top Assembly (DD) WB77-1 Only | 42 | — | — | — | K1119-2L or -2R | \$2,678 |
| Nozzle Section Assembly (DDP) NLA, See note 8 | 43 | 8 | — | NLA | — | \$3,290 |
| Nozzle Section Assembly (DDP) WB77-1 Only | 42 | — | — | — | K1121-1L or -1R | \$1,397 |
| Nozzle Section Assembly (DD) NLA, See note 8 | — | 8 | — | NLA | — | \$2,594 |
| Nozzle Section Assembly (DD) WB77-1 Only | 42 | — | — | — | K1121-2L or -2R | \$2,072 |
| Valve Seat and Washer Kit (WB77-1) | — | — | — | — | K1228 | \$2,275 |
| Valve Seat and Washer Kit (WB77) | — | — | — | — | K1229 | \$1,418 |

*These kits are also used for a Pacer hydrant.

SEE TREND HYDRANT REPAIR KIT DIAGRAMS ON PAGES 42-45

NOTES: Please include the following information when ordering:

1. Extension Length
2. Direction of Opening; Thread Specifications; Nut Size; Color
3. Bury Depth
4. Direction of Opening
5. Direction of Opening; Bury Depth; Year of Manufacture.
6. Bury Depth
7. Direction of Opening; Length
8. No Longer Available. See K1180 Conversion Kit
9. No longer Available, Use K499-X

For WB77 and WT77D Trends, the existing 1½' diameter lower operating rod should be replaced with the current standard 1½' diameter operating rod, instead of using the existing rod with a rod extension, if the extended bury-depth exceeds 9'.

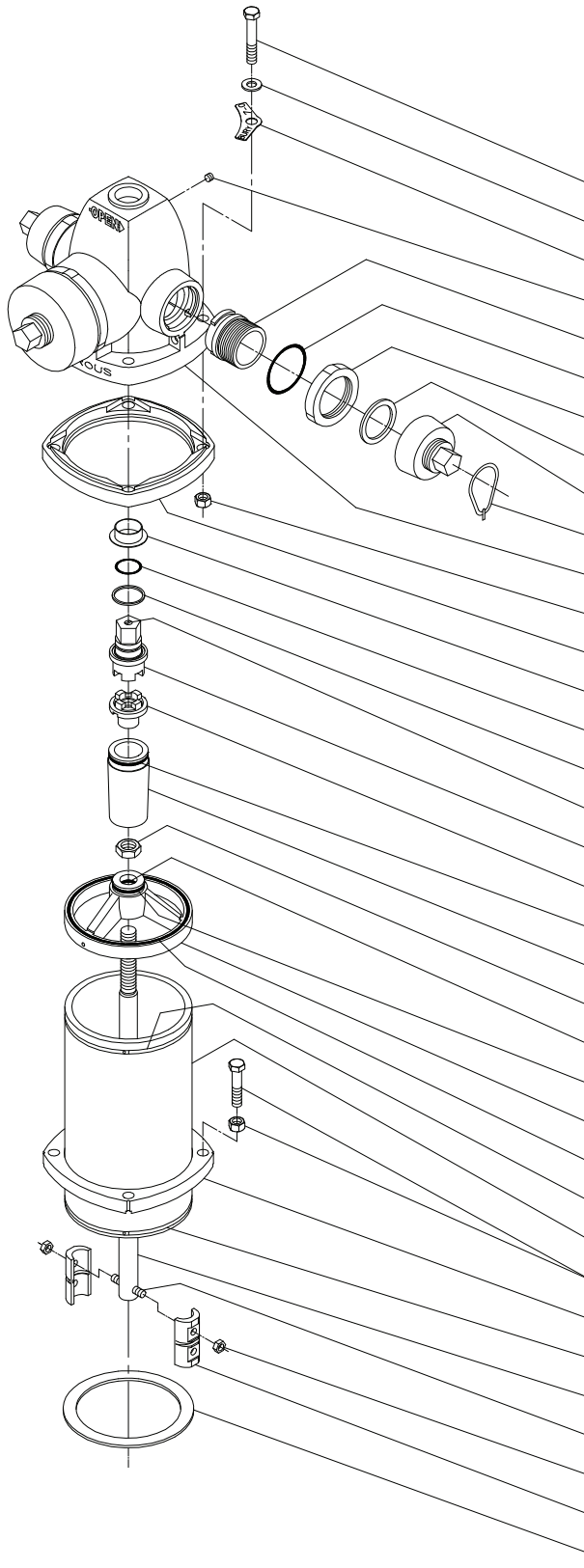
For WB77-1, WB77, and WT77D Trends, the lower operating rod should be replaced instead of using the existing rod with a rod extension, in cases where:

- the bury depth of the extended hydrant exceeds 9'6 .
- the length of the required rod extension exceeds 4', or
- the hydrant rod has already been extended. Only one rod extension should be installed on a hydrant.

A bottom extension should be used if the bury-depth of the extended hydrant will exceed 11'6 .

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

Trend WB77-1 Hydrant Parts Diagram

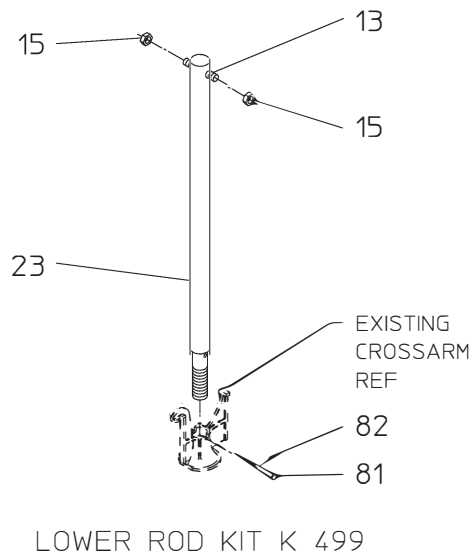
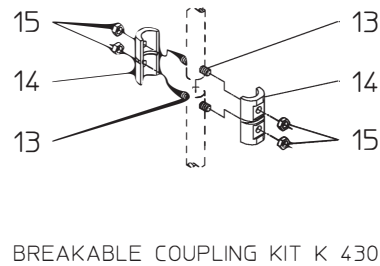
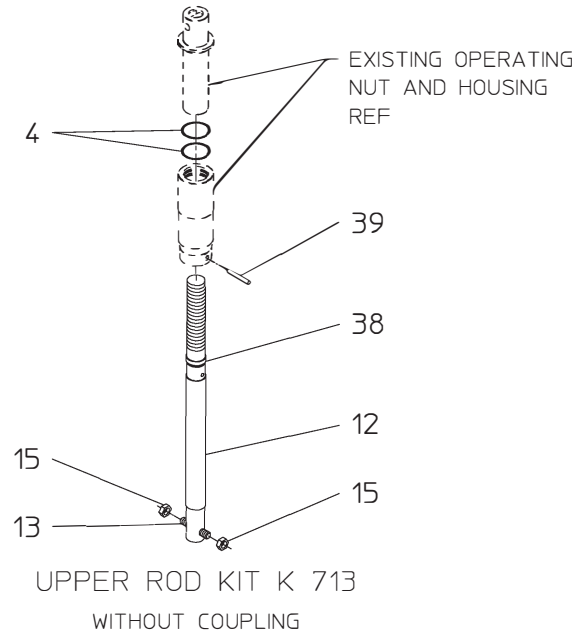


| REF NO. | COMPLETE TOP ASSY KIT K 1119 | NOZZLE SECTION CONV/REPL KIT K 1121 | TOP SECTION GASKET KIT K 435 |
|---------|------------------------------|-------------------------------------|------------------------------|
| 6A | X | X | |
| 61 | X | X | |
| 61 | X | X | |
| 99 | X | X | |
| 12 | X | X | |
| 116/118 | X | X | |
| 117/119 | X | X | |
| 11 | X | X | |
| 10 | X | X | |
| 9A, 9B | X | X | |
| 60 | X | X | |
| 6C | X | X | |
| 62B | X | X | |
| 89 | X | X | |
| 57 | X | | X |
| 90 | X | | |
| 16 | X | | |
| 17B | X | | |
| 17A | X | | |
| 82 | X | | X |
| 85 | X | | |
| 86 | X | | |
| 59 | X | | X |
| 83 | X | | X |
| 56 | X | | |
| 84 | X | | X |
| 64 | X | | |
| 40 | X | | |
| 6B, 6C | X | | |
| 113 | X | | |
| 64 | X | | |
| 71 | X | | |
| 88 | X | | |
| 87 | X | | |
| 67 | X | | |
| 92 | X | | |

O
C
W
U
T
0
0
3
2



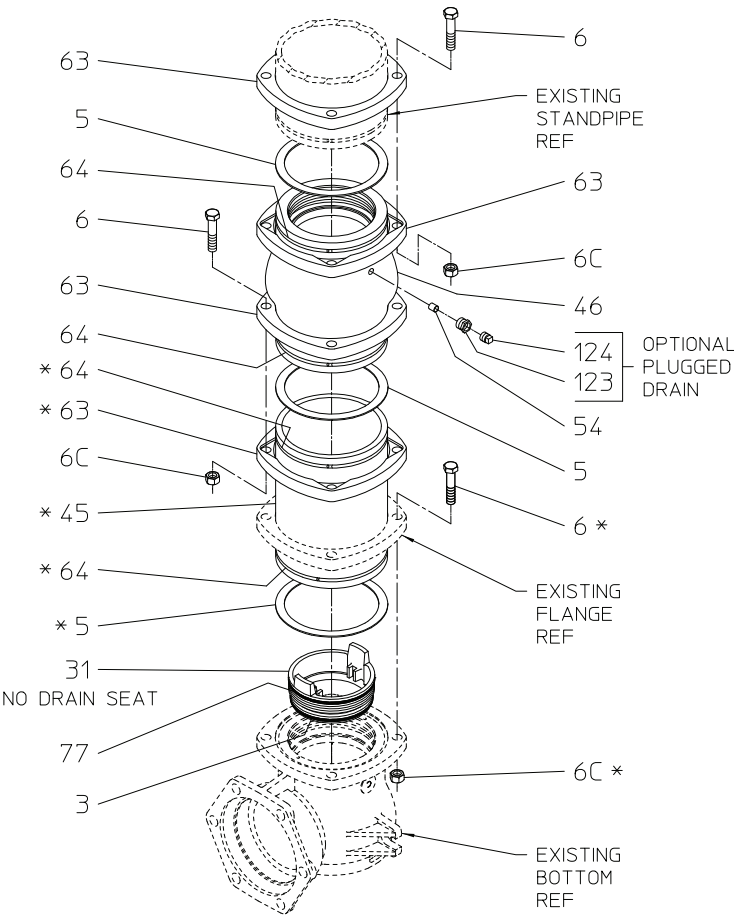
Trend WB77 Hydrant Repair Kits Diagram



OCWUT 00032

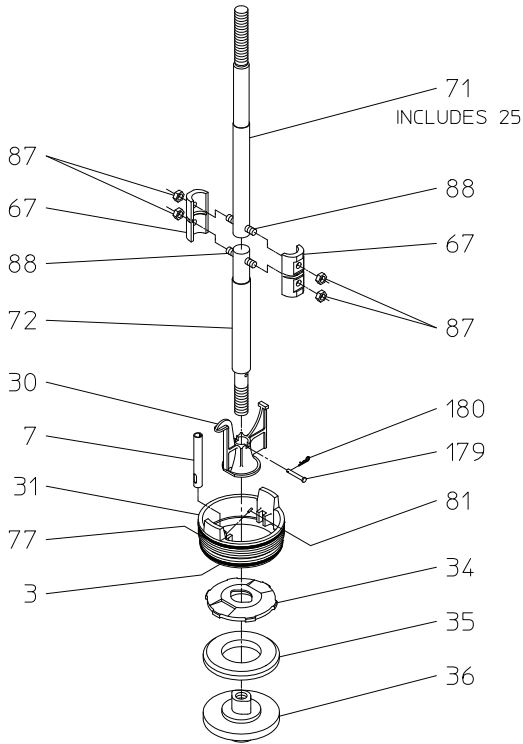


Trend WB77-1 Hydrant Repair Kits Diagram



BOTTOM EXTENSION KIT K 444

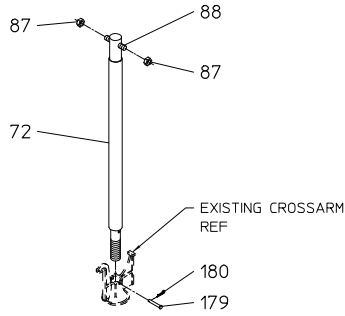
* THESE PARTS ARE NOT REQD ON -12 KITS



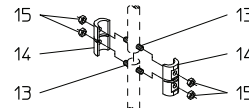
WB77-1 COMPLETE INSIDE ASSY KIT K 1120

OCWUT 00032

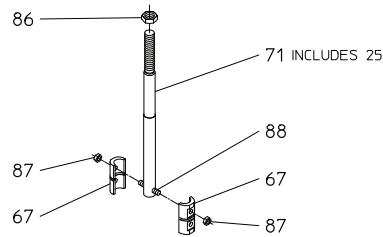
Trend WB77-1 Hydrant Repair Kits Diagram



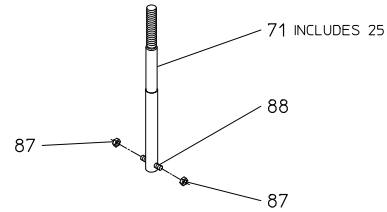
WB77-1 LOWER ROD KIT K 499



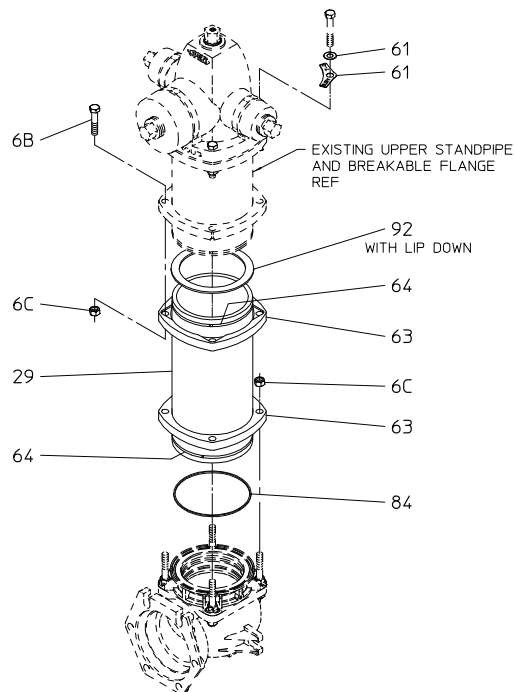
BREAKABLE COUPLING KIT K 430



WB77-1 UPPER ROD KIT K 436
WITH COUPLING



WB77-1 UPPER ROD KIT K 712
WITHOUT COUPLING



WB77-1 STANDPIPE KIT K 1088
NEW STYLE BOTTOM

OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

Hydrant Parts W59/WB59

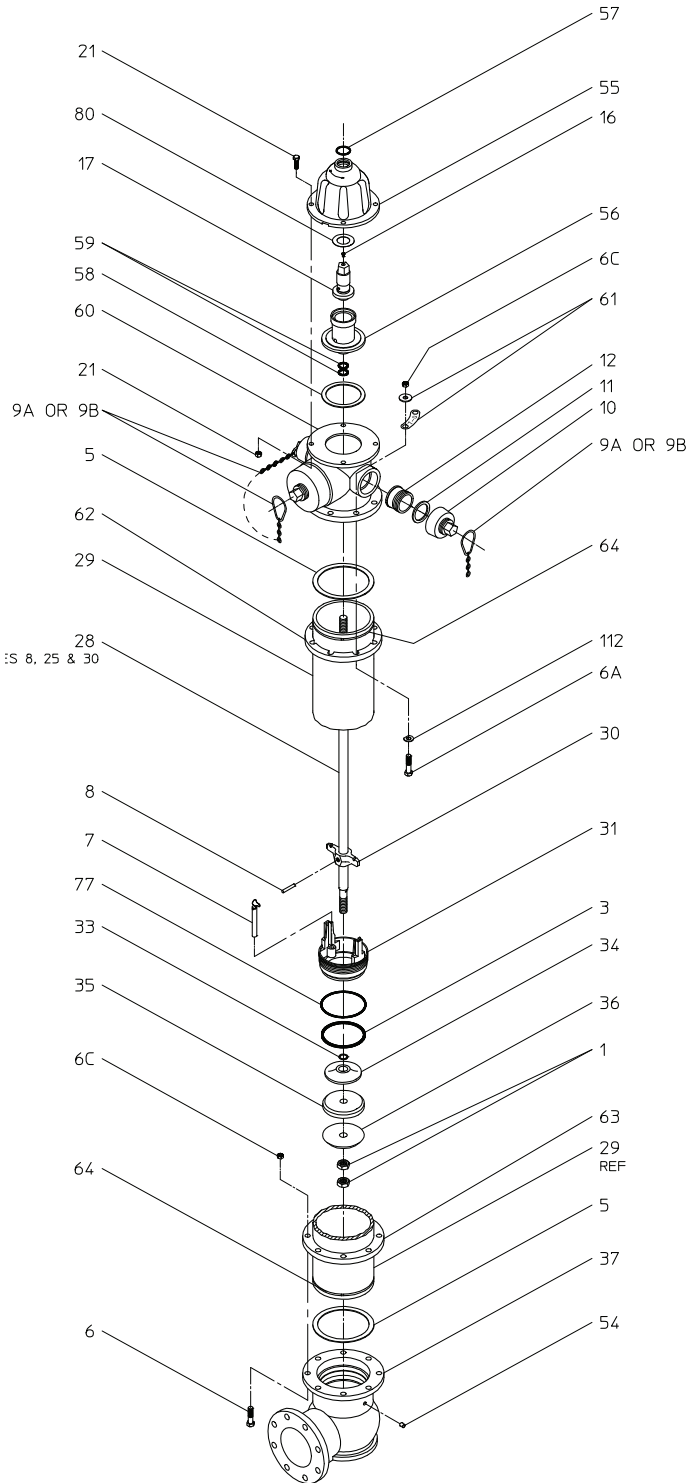
| SEE | PRICE |
|-------------------------|---|
| PART # NOTE DESCRIPTION | EACH |
| 1 | Lower Valve Rod Nut (2 required) \$51 |
| 3 | Valve Seat Lower O-Ring \$14 |
| 5 | Standpipe Gasket - Prior to 1955 \$48 |
| | Standpipe Gasket - Since 1955 (Lipped) \$21 |
| 6 | Hex Head Bolt 5/8-11 x 2½" \$14 |
| 6A | Hex Head Bolt 5/8-11 x 2¾" \$14 |
| 6B | Hex Head Bolt 5/8-11 x 3" \$14 |
| 6C | Hex Head Nut 5/8-11 \$6 |
| 7 | Drain Plunger with Bail \$114 |
| 8 | Cross Arm Pin \$14 |
| 9 | Single Chain \$84 |
| | Double Chain \$72 |
| | Triple Chain \$114 |
| 10 | 1 Nozzle Cap with Gasket \$203 |
| | 1 Pumper Cap with Gasket \$350 |
| 11 | Hose Cap Gasket \$14 |
| | 2 Pumper Cap Gasket \$20 |
| 12 | 2 Hose Nozzle \$242 |
| | 2 Pumper Nozzle \$686 |
| 16 | OP Nut Oil Hole Screw \$6 |
| 17 | 9 OP Nut with Screw - W-59/WB-59 N/A |
| 21 | Bonnet Bolt & Nut (4 required) \$14 |
| 27 | Flange Gasket \$42 |
| 28 | 5 Valve Rod Assembly with Bushing \$923 |
| 29 | 6 Standpipe, Non-Traffic, 2'6" & Under \$1,376 |
| | Add for each additional 6" \$179 |
| | 6 Standpipe, Traffic, 2'6" & Under \$1,238 |
| | Add for each additional 6" \$179 |
| 30 | 11 Iron Crossarm \$186 |
| | Bronze Crossarm \$399 |
| 31 | 11 Valve Seat \$1,292 |
| | Valve Seat with Lower O-Ring Since 9/1/71 \$1,292 |
| 33 | Valve Rod Gasket \$6 |
| 34 | 11 Upper Valve Washer \$132 |
| 35 | 11 Main Valve - Rubber \$105 |
| 36 | 11 Lower Valve Washer \$135 |
| 40 | 7 Upper Standpipe (WB-59, 10") \$686 |
| | Add for each additional 6" \$179 |
| 54 | Drain Bushing, W/WB-59 \$14 |
| 55 | 10,12 Bonnet, W/WB-59 \$660 |
| 56 | Support, W/WB-59 \$214 |
| 57 | O-Ring, W/WB-59 \$6 |
| 58 | Support Gasket, W/WB-59 \$6 |
| 59 | O-Ring Packing, W/WB-59 (2 required) \$6 |
| 61 | 6 Cover Depth Plate with Washer \$14 |
| 62 | 10 Upper Standpipe Flange \$284 |
| 63 | 8 Lower Standpipe Flange - 8 Bolt \$284 |
| | Groundline Flange - 4 Bolt \$203 |
| 64 | Upper and Lower Flange Lock Ring \$35 |
| 65 | Lower Coupling Sleeve, WB-59 to 1968 \$277 |
| 66 | Groove Pin, WB-59 \$21 |
| 67 | Upper Coupling Sleeve, WB-59 (to 1968-5") \$454 |
| | Breakable Sleeve (2 req'd), WB-59 - Iron \$62 |
| | (5" since 1968) - Bronze \$109 |
| 68 | Breakable Sleeve, WB-59 (to 1968-5") \$258 |

| SEE | PRICE |
|-------------------------|--|
| PART # NOTE DESCRIPTION | EACH |
| 69 | Coupling Pin (5" to 1968) \$35 |
| 70 | Sleeve Set Screw, WB-59 to 1968 \$6 |
| 71 | 8 Upper Break-Off Rod w/Bushing - WB-59 to 1968 \$560 |
| | 8 - WB-59 since 1968 \$368 |
| 72 | 6 Lower Rod Assembly, WB-59 to 1968 \$1,103 |
| | 6 Lower Rod Assembly, WB-59 since 1968 \$702 |
| 76 | Set Screw \$6 |
| 77 | Upper O-Ring for Valve Seat \$21 |
| 80 | Thrust Washer \$6 |
| 87 | Coupling Nut, WB-59 (4 req'd) (5" since 1968) \$9 |
| 88 | Coupling Stud, WB-59 (2 req'd) (5" since 1968) \$20 |
| 113 | 10 Breakable Flange (5" use only with #63 61724) \$114 |

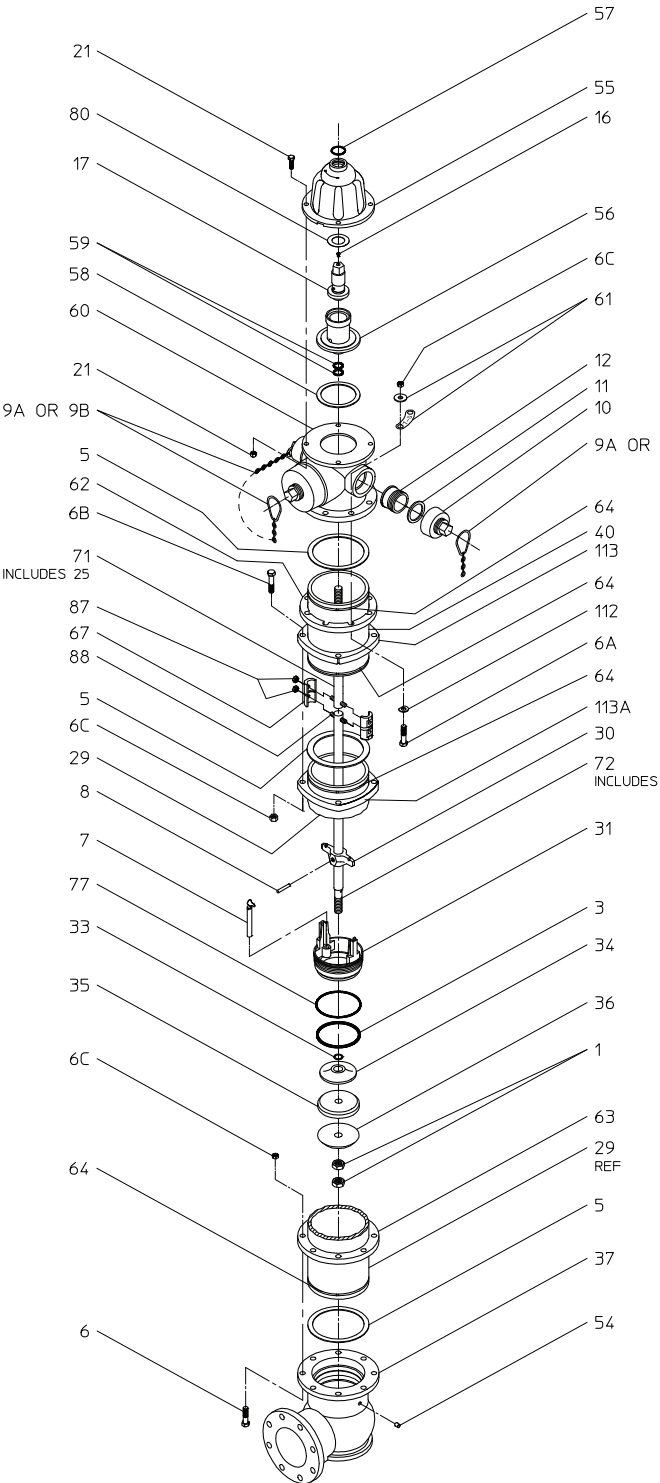
NOTE: Parts are no longer available for 6" VO hydrants.**ALL PRICING IS PER EACH****SEE HYDRANT PARTS
DIAGRAM W59/WB59
ON PAGE 47.****NOTES: Please include the following information when ordering:**

1. Thread specification; Nut Size; Color
2. Thread Specification
3. Direction of Opening
4. Direction of Opening; Color
5. Direction of Opening; Cover Depth
6. Cover Depth
7. Length of Traffic Section
8. Direction of Opening; Length of Traffic Section
9. Direction of Opening; Nut Size
10. Color
11. Valve opening size (4" or 5")
12. Discontinued when stock is depleted

Hydrant Parts Diagram W59/WB59



5" W59 NON-TRAFFIC HYDRANT
MODEL W595
BUILT FROM 1980 TO 1998



5" WB59 TRAFFIC HYDRANT
MODEL WB595
BUILT FROM 1980 TO 1998

OCWUT 00032



Hydrant Repair Kits W59/WB59

| KIT NAME | DIAGRAM SEE PAGE | SEE NOTE | 5" | PRICE |
|---|---------------------|-------------|--------|---------|
| NON-TRAFFIC | | | | |
| Valve Rod Assembly | 49 | 1 | K305 | \$923 |
| Rod Extension Assembly (12" min.) | 50 | 2 | K355 | \$657 |
| Standpipe Extension (12" min.) (Since 1955) | | 3 | K352 | \$1,250 |
| Add for each additional 6" | | | | \$151 |
| Standpipe Extension (12" min.) (Prior to 1955) | | 3 | K352-A | \$1,250 |
| Add for each additional 6" | | | | \$151 |
| Complete Inside Assembly | 49 | 1 | K405 | \$2,519 |
| Since 1971 | 49 | 1 | K405A | \$2,519 |
| Support Gasket Kit | | | K747 | \$119 |
| TRAFFIC | | | | |
| Valve Rod Assembly (Prior to 1968) | | 2 | K312 | \$1,103 |
| Valve Rod Assembly (After 1968) | | 2 | K428 | \$702 |
| Rod Extension Assembly – 6" | | | | |
| – Prior to 1968 for 5" VO (Old Style Coupling) | 50 | 3 | K356 | \$1,313 |
| – Since 1968 for 5" VO (New Style Coupling) | 50 | 3 | K431 | \$331 |
| Standpipe Extension – 6" – Since 1955 | | 3 | K352B | \$1,344 |
| Add for each additional 6" | | | | \$151 |
| Standpipe Extension (6" min.) (Prior to 1955) | | 3 | K352-A | \$1,250 |
| Add for each additional 6" | | | | \$151 |
| Breakable Coupling – Prior to 1968 | | | K339 | \$839 |
| – Since 1968 | 50 | | K430 | \$256 |
| Complete Inside Assembly | 49 | 1 | K427 | \$3,103 |
| – Since 1971 | 49 | 1 | K427A | \$3,103 |
| Breakoff Section Replacement – Prior to 1968 | 50 | 4 | K527 | \$786 |
| – From 1968 to 1980 | 50 | 4 | K526 | \$678 |
| – Since 1980 | 50 | 5 | K529 | \$720 |
| Add for each additional 6" (for K526 & K527 only) | | | | \$151 |
| Support Gasket Kit | | | K747 | \$182 |

**SEE DIAGRAMS
ON PAGES 49-50**

NOTES: Please include the following information when ordering:

1. Direction of Opening; Cover Depth
2. Direction of Opening; Length
3. Length
4. Traffic Section Length; Color
5. Color

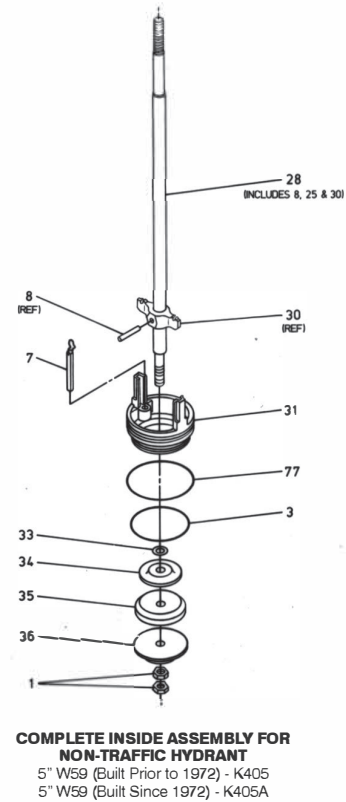
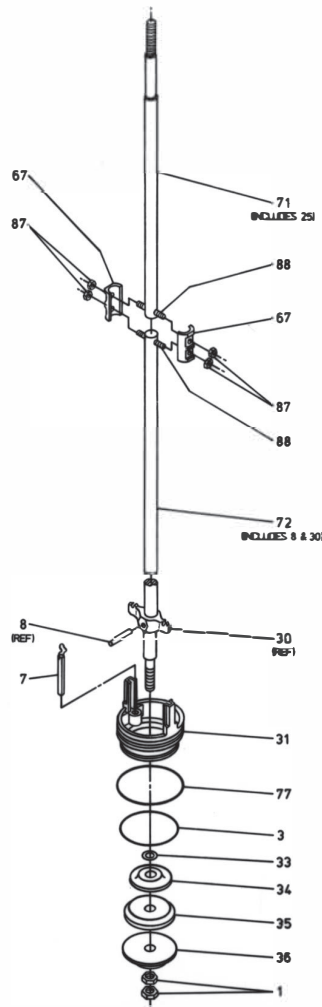
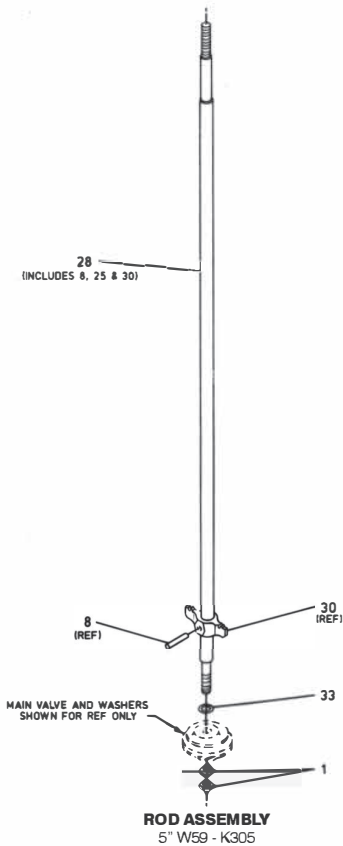
O
C
W
U
T
0
0
3
2

[Back to Index](#)



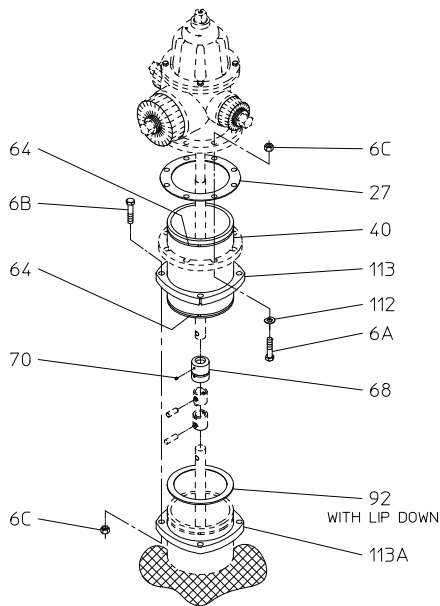
AMERICAN
FLOW CONTROL
THE RIGHT WAY

WB59 Diagrams

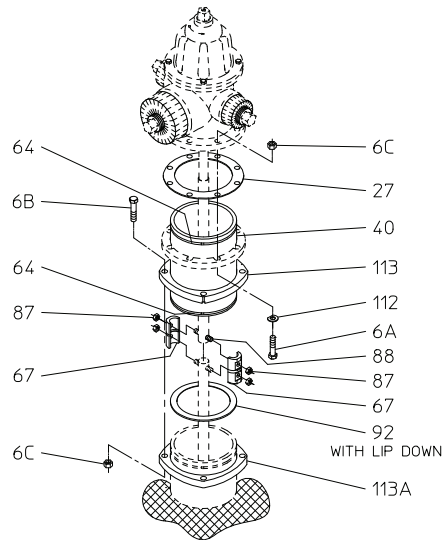


OCWUT 00032

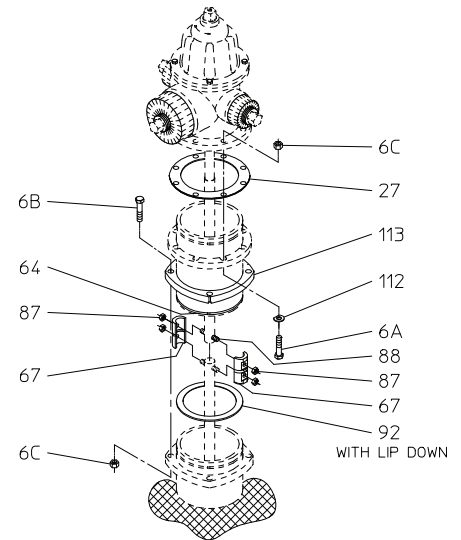
WB59 Diagrams



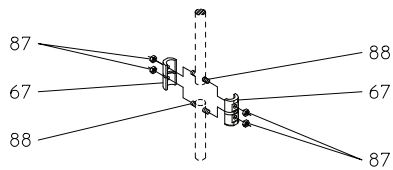
KIT K 527
5" WB59 WITH OLD STYLE COUPLING
FOR HYDRANTS BUILT PRIOR TO 1968



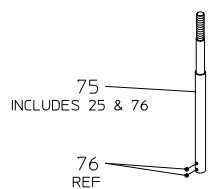
KIT K 526
5" WB59 WITH NEW STYLE COUPLING
FOR HYDRANTS BUILT FROM 1968 TO 1980



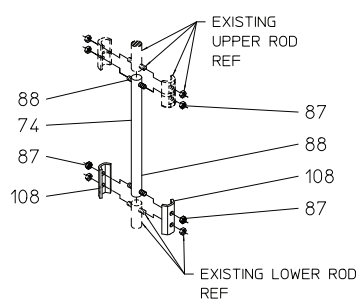
KIT K 529
5" WB59 WITH NEW STYLE COUPLING
FOR HYDRANTS BUILT FROM 1968 TO 1998



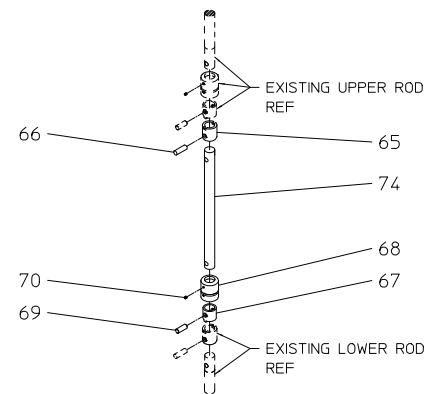
KIT K 430
NEW STYLE BREAKABLE COUPLING



ROD EXTENSION
5" W59 - K 355



ROD EXTENSION WITH NEW COUPLING
5" WB59 - K 431



ROD EXTENSION WITH OLD COUPLING
5" WB59 - K 356

OCWU
T00032



Traverse City Hydrant Parts

| PART # | SEE NOTE | DESCRIPTION | PRICE EACH |
|----------|-------------|--|---------------|
| 1 XI | | Copper Gaskets – Used with #5 Only | \$35 |
| 2 R | | Bronze Stud 1/2" | \$50 |
| 3 R | | Bronze Nut 1/2" | \$6 |
| 4 T | 1 | Cast Iron Top Nut | \$87 |
| 5 F | | Bronze Stuffing Box Nut with #6 O-Rings | \$410 |
| 6 Y | | Rubber O-Ring Seals – Requires 2 | \$6 |
| 7 U | | Top Bronze Piece | \$1,218 |
| 11 X2 | | Hose Nozzle Cap Gasket | \$14 |
| 12 X2 | | Pumper Nozzle Cap Gasket | \$19 |
| 13 E | 3 | Hose Nozzle Cap with Gasket | \$203 |
| 14 E | 3 | Pumper Nozzle Cap with Gasket | \$350 |
| 15 | | Nozzle Cap Chain - TVC Double | \$84 |
| | | - Single | \$32 |
| | | - Double | \$61 |
| 16 W | | Stainless Steel Cotter Pin | \$14 |
| 17 X | | Full Face Gasket | \$84 |
| 17 | | Lipped Gasket | \$84 |
| XB | | Break Flange O-Ring | \$155 |
| 18 | | Lock Ring | \$53 |
| 19 DB | | Upper Rod (Traffic Model Only) | \$258 |
| 21 | | Hex Nut | \$6 |
| 22 | | Hex Bolt | \$6 |
| B | | Extension Stem Coupling | \$284 |
| HS | 5 | Main Valve Assembly – Includes 30-34, 36-38, 41 | \$4,190 |
| 23,25 VB | | Breakable Bolt & Nut – 1 Each | \$50 |
| 24 | | Barrel Flange | \$318 |
| 25,29 V | | Flange Bolt & Nut – 1 Each | \$32 |
| 26 CB | | Breakable Coupling | \$142 |
| 27 D | 4 | Lower Rod – Per Foot | \$105 |
| 30 S | 5 | Bronze Stem | \$1,662 |
| 31 H | | Bronze Drip Valve, Includes Leather & Drip Nails | \$945 |
| 32 Z | | O-Ring Seals – Requires 2 | \$6 |
| 33 K | | Valve Top Piece | \$373 |
| 34 J | | Molded Valve Rubber | \$150 |
| 35 M | | Bronze Valve Seat | \$415 |
| 36 L | | Valve Bottom Piece | \$184 |
| 37 N | | Bronze Valve Nut | \$245 |
| 38 O | | Bronze Packing Nut with 2 Set Screws | \$95 |
| 40 | | Set Screw | \$6 |
| 41 I | | Drip Valve Leather with Nails & Rivet Set | \$155 |
| 58 | | Rivet or Drip Nail – Set of 5 | \$6 |
| 59 | | 6" thru 24" Steel Extension Stem | \$336 |

**SEE HYDRANT PARTS
DIAGRAM
ON PAGE 52.**

NOTES: Please include the following information when ordering:

1. Nut Size and Shape; Color and Year
2. Thread Specification
3. Thread Specification, Nut Size and Shape; Color
4. Length
5. Direction of Opening

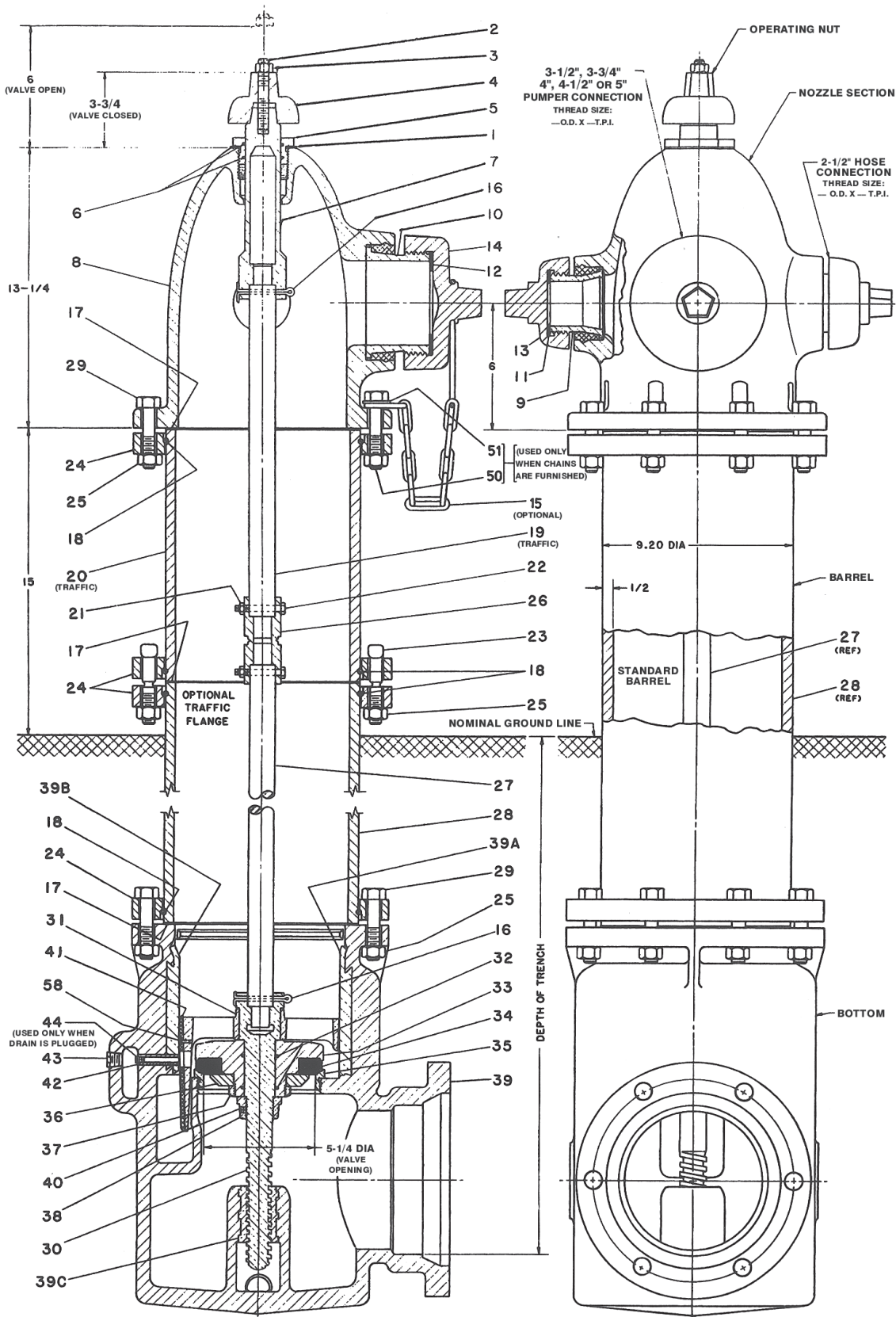
Note: Parts are no longer available for 4" and 6" VO hydrants.

ALL PRICING IS PER EACH

OCWUT 00032



Traverse City Hydrant Parts Diagram



OCWUT 00032



AFC Hydrant Parts - Miscellaneous

| SEE NOTE | DESCRIPTION | PRICE EACH |
|-------------|---|---------------|
| | Valve Rod Bushing | \$32 |
| | Bronze Sleeve Coupling | \$203 |
| | Bushing and Plug | \$32 |
| | Cartons for Traffic Repair Kits & Extension Kits | \$32 |
| | S-Hook (for hydrant chain) | \$6 |
| 3 | Handwheel for 1½" Pentagon Nut (# 5) | \$445 |
| | Hydrant Grease – 6.5 oz. Tube | \$48 |
| | Hydrant Grease – 1 pound | \$62 |
| | Hydrant Grease – 5 pound | \$289 |
| | Non-Breakable Coupling – Pacer & Trend (2 required) | \$77 |
| 7 | Non-Breakable Coupling – W/WB59 | \$247 |
| | "No Drain" Plate | \$20 |
| | Hydrant Lubricating Oil – 1 pint | \$32 |
| | Hydrant Lubricating Oil – 1 gallon | \$146 |
| | Hydrant Lubricating Oil 4 oz. – Pacer | \$21 |
| | Hydrant Lubricating Oil – 1/2 oz. – Trend | \$20 |
| | Pear-Shaped Rings (Chains) | \$21 |
| | Plastic Box for Maintenance Kit | \$420 |
| | Foam Insert | \$104 |
| | Safety Sleeve Stem Coupling | \$287 |
| | Standpipe Adapter – Modernization | \$1,712 |
| 4 | Tamper Resistant Cover | \$119 |
| 5 | Vented Hose Cap | \$284 |
| | Vented Cap Gasket – 2½" | \$6 |
| 5 | Captivator Hose Cap | \$524 |
| 5 | Captivator Pumper Cap | \$1,007 |
| | 4" Storz Nozzle (with cap and gasket) | \$1,281 |
| | 5" Storz Nozzle (with cap and gasket) | \$1,397 |
| | 5" Storz Nozzle w/ Thumb Lock (with cap and gasket) | \$1,532 |
| 5,6 | Modernization Kit (Pacer Only) – Traffic | \$7,065 |
| | For W22/W31/W59 – Non Traffic | \$5,852 |
| 8 | 2½" Threaded Outside Independent Cut-Off Valve w/Cap & Chain | \$1,990 |
| 4 | 4 Lug Conversion Flange | \$242 |
| | Anti-rotation Clip | \$20 |
| | Oil reservoir plate | \$46 |
| | Extension tags | \$14 |

| TOOLS NOTE | DESCRIPTION | PRICE EACH |
|---|--|---------------|
| 1 | Operating Wrench (cast) with Spanner (part number 5320-nut #) | \$184 |
| | Adjustable Operating Wrench (part number V2065) | \$149 |
| | Combination Storz Cap and Adjustable Operating Nut Wrench (part number V3566) | \$312 |
| Heavy-Duty Disassembly Wrenches - Valve Seat Removal | | |
| 6 | 4" Valve Opening for W/WB22, 31, 59 and 77 | \$2,650 |
| | 5" Valve Opening for W/WB22, 31, 59, 67, 67-250 and 77-1 | \$2,844 |
| | 4"/5" Heavy Duty Disassembly Wrench Parts-Top Casting | \$392 |
| | 4"/5" Heavy Duty Disassembly Wrench Parts-Centering Plate | \$434 |
| Light-Weight Disassembly Wrenches - Valve Seat Removal | | |
| 2 | One Piece or Two Piece Standard | \$2,256 |
| | Two Piece Compact | \$2,557 |
| | 2-foot Extension | \$562 |
| | Hose Nozzle Retainer Wrench (does not include handle) | \$420 |
| | Pumper Nozzle Retainer Wrench (does not include handle) | \$613 |
| | Hinged Pumper Nozzle Retainer Wrench (for 5" storz) | \$1,376 |
| | Operating Rod Re-threading Die | \$242 |
| | Operating Nut Re-threading Tap | \$242 |
| | Nozzle Section Bushing Driver (part number 72452) | \$1,313 |
| | 4-foot Wrench Handle (for disassembly wrenches and retainer wrenches) (part number 63296) | \$361 |
| | Tamper Resistant Cover Wrench | \$223 |
| | Captivator™ Wrench (must ship direct to end user) | \$328 |
| | Small Captivator™ Wrench (must ship direct to end user) | \$128 |
| | Combination Stop Nut & Lower Op Nut Impact Socket | \$473 |

ALL PRICING IS PER EACH

NOTES: Please include the following information when ordering:

1. Nut Size and Shape
2. Size of Valve Opening; Cover/Bury Depth
3. Direction of Opening
4. Color
5. Thread Specification; Nut Size and Shape; Color
6. Cover/Bury Depth
7. Year of Hydrant
8. Use Valve discount when purchased separately



AFC Series 2500-1 Ductile Iron Resilient Wedge Valve

2" thru 12" - 250 PSI Water Working Pressure

Resilient Seated, per AWWA C515

NON-RISING STEM (NRS) VALVES

| SIZE | MODEL | CLASS 125 FLANGED (FF) | CLASS 250 RF FLANGE (F2) | FLANGE X MJ LESS ACC. (FM) | FLANGE X MJ W/MJ ACC. (FM) | MECH. JT. LESS ACC. (MM) | MECH. JT. W/MJ ACC. (MM) |
|------|-------|------------------------------|--------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|
| 2" | 2502 | \$961 | — | — | — | \$972 | \$1,098 |
| 2½" | 2525 | \$1,148 | — | — | — | — | — |
| 3" | 2503 | \$1,364 | \$3,626 | \$1,255 | \$1,402 | \$1,376 | \$1,437 |
| 4" | 2504 | \$1,523 | \$4,095 | \$1,469 | \$1,565 | \$1,537 | \$1,644 |
| 6" | 2506 | \$2,036 | \$4,552 | \$1,962 | \$2,053 | \$1,962 | \$2,127 |
| 8" | 2508 | \$3,182 | \$6,073 | \$3,065 | \$3,198 | \$3,122 | \$3,308 |
| 10" | 2510 | \$5,054 | \$9,860 | \$4,867 | \$5,030 | \$4,867 | \$5,144 |
| 12" | 2512 | \$6,104 | \$11,076 | \$5,879 | \$6,220 | \$6,159 | \$6,500 |

NON-RISING STEM (NRS) VALVES

| SIZE | MODEL | THREADED (SS) | PVC W/GASKETS (PP) | FLG X PUSH-ON LESS GASKET (TF) | FLG X PUSH-ON W/TY GASKET (TF) | PUSH-ON LESS GASKETS (TT) | PUSH-ON W/GASKETS (TT) | ALPHA™ (AA) |
|------|-------|------------------|--------------------------|--------------------------------------|--------------------------------------|---------------------------------|------------------------------|----------------|
| 2" | 2502 | *\$938 | \$1,001 | — | — | — | — | — |
| 2½" | 2525 | *\$1,160 | \$1,370 | — | — | — | — | — |
| 3" | 2503 | \$1,385 | \$1,460 | — | — | — | — | — |
| 4" | 2504 | — | \$1,673 | \$1,549 | \$1,589 | \$1,579 | \$1,675 | POA |
| 6" | 2506 | — | \$2,163 | \$2,043 | \$2,100 | \$2,078 | \$2,163 | POA |
| 8" | 2508 | — | \$3,411 | \$3,227 | \$3,303 | \$3,154 | \$3,450 | POA |
| 10" | 2510 | — | — | \$5,075 | \$5,165 | \$5,093 | \$5,275 | POA |
| 12" | 2512 | — | — | \$6,243 | \$6,353 | \$6,384 | \$6,600 | POA |

\$25 Transition gaskets available in lieu of standard gaskets for MJ accessories – add per end.

*\$114 Add for T-Head Operator.

\$51 Add for Pentagon Operating Nut (3"-12" only).

Add for A277 Valve Mounted Enclosed Miter Gear (3"-12" NRS only)...\$5,460

Add for each valve body tap (flanged ends only)...\$175

See page 90 for tap locations and size

Push-on ends are in accordance with ANSI/AWWA C111/A21.11 for use on ductile iron pipe sizes.

Valves are furnished with TYTON® (TY) ends. TYTON® is a registered trademark of United States

Pipe and Foundry Co., LLC.

ALPHA™ is a licensed trademark of Romac Industries, Inc. (U.S. Patent 8,894,100)

[Back to Index](#)



AFC Series 2500/2500-1 Ductile Iron Resilient Wedge Valve
2" thru 24" - 250 PSI Water Working Pressure
Resilient Seated, per AWWA C515

OS&Y VALVES

| SIZE | MODEL | THREADED (SS) | CLASS 125 FLANGED (FF) | CLASS 250 RF FLANGED (F2) |
|------|-------|------------------|------------------------------|---------------------------------|
| 2" | 2502 | \$1,470 | \$1,470 | — |
| 3" | 2503 | \$1,943 | \$1,943 | \$4,157 |
| 4" | 2504 | — | \$2,004 | \$4,694 |
| 6" | 2506 | — | \$2,603 | \$5,250 |
| 8" | 2508 | — | \$3,975 | \$7,049 |
| 10" | 2510 | — | \$5,842 | \$10,684 |
| 12" | 2512 | — | \$7,606 | \$12,879 |
| 14" | 2514 | — | POA | POA |
| 16" | 2516 | — | POA | POA |
| 18" | 2518 | — | POA | POA |
| 20" | 2520 | — | POA | POA |
| 24" | 2524 | — | POA | POA |

Add for each valve body tap...\$175
See page 90 for tap locations and size

OCWUT 00032



AFC Series 2500 Ductile Iron Resilient Wedge Valve

14" thru 66" - 250 PSI Water Working Pressure

Resilient Seated, per AWWA C515 where applicable

NON-RISING STEM (NRS) VALVES (NON-GEARED)

| SIZE | MODEL | CLASS 125 FLANGED (FF) | FLANGE X MJ LESS ACC. (FM) | FLANGE X MJ W/MJ ACC. (FM) | MECH. JT. LESS ACC. (MM) | MECH. JT. W/MJ ACC. (MM) | CLASS 250 RF FLANGE (F2) | PUSH-ON LESS GASKETS (PO) | PUSH-ON W/GASKETS (PO) | Flex-Ring® (FR) |
|------|-------|------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|------------------------------|--------------------|
| 14" | 2514 | \$19,032 | \$19,032 | \$19,570 | \$19,032 | \$20,111 | \$28,350 | \$19,764 | \$21,192 | — |
| 16" | 2516 | \$20,643 | \$20,643 | \$21,231 | \$20,643 | \$21,819 | \$30,319 | \$21,397 | \$21,594 | POA |
| 18" | 2518 | \$33,789 | \$33,789 | \$34,839 | \$33,789 | \$35,887 | \$54,863 | — | — | — |
| 20" | 2520 | \$40,580 | \$40,580 | \$41,717 | \$40,580 | \$42,851 | \$60,638 | — | — | POA |
| 24" | 2524 | \$57,701 | \$57,701 | \$59,430 | \$57,701 | \$61,166 | \$78,750 | — | — | POA |

INCLUDES BEVEL GEAR

| SIZE | MODEL | CLASS 125 FLANGED (FF) | FLANGE X MJ LESS ACC. (FM) | FLANGE X MJ W/MJ ACC. (FM) | MECH. JT. LESS ACC. (MM) | MECH. JT. W/MJ ACC. (MM) | CLASS 250 RF FLANGE (F2) | PUSH-ON LESS GASKETS (PO) | PUSH-ON W/GASKETS (PO) | Flex-Ring® (FR) |
|------|-------|------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|------------------------------|--------------------|
| 14" | 2514 | \$25,508 | \$25,508 | \$26,046 | \$25,508 | \$26,586 | \$34,826 | \$26,240 | \$27,668 | — |
| 16" | 2516 | \$27,119 | \$27,119 | \$27,707 | \$27,119 | \$28,295 | \$36,795 | \$27,873 | \$28,070 | POA |
| 18" | 2518 | \$41,489 | \$41,489 | \$42,539 | \$41,489 | \$43,586 | \$62,562 | — | — | — |
| 20" | 2520 | \$48,279 | \$48,279 | \$49,416 | \$48,279 | \$50,550 | \$68,337 | — | — | POA |
| 24" | 2524 | \$66,342 | \$66,342 | \$68,072 | \$66,342 | \$69,807 | \$87,392 | — | — | POA |
| 30" | 2530 | POA | POA | POA | POA | POA | POA | — | — | POA |
| 36" | 2536 | POA | POA | POA | POA | POA | — | — | — | POA |
| 42" | 2542 | POA | POA | POA | POA | POA | — | — | — | POA |
| 48" | 2548 | POA | POA | POA | POA | POA | — | — | — | POA |
| 54" | 2554 | POA | — | — | — | — | — | — | — | — |
| 60" | 2560 | POA | — | — | — | — | — | — | — | POA |
| 66" | 2566 | POA | — | — | — | — | — | — | — | — |

INCLUDES SPUR GEAR

| SIZE | MODEL | CLASS 125 FLANGED (FF) | FLANGE X MJ LESS ACC. (FM) | FLANGE X MJ W/MJ ACC. (FM) | MECH. JT. LESS ACC. (MM) | MECH. JT. W/MJ ACC. (MM) | CLASS 250 RF FLANGE (F2) | PUSH-ON LESS GASKETS (PO) | PUSH-ON W/GASKETS (PO) | Flex-Ring® (FR) |
|------|-------|------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|------------------------------|--------------------|
| 14" | 2514 | \$25,245 | \$25,245 | \$25,783 | \$25,245 | \$26,324 | \$34,564 | \$25,977 | \$27,405 | — |
| 16" | 2516 | \$26,857 | \$26,857 | \$27,445 | \$26,857 | \$28,033 | \$36,533 | \$27,610 | \$27,807 | POA |
| 18" | 2518 | \$40,937 | \$40,937 | \$41,987 | \$40,937 | \$43,035 | \$62,011 | — | — | — |
| 20" | 2520 | \$47,728 | \$47,728 | \$48,865 | \$47,728 | \$49,999 | \$67,786 | — | — | POA |
| 24" | 2524 | \$66,043 | \$66,043 | \$67,773 | \$66,043 | \$69,508 | \$87,093 | — | — | POA |
| 30" | 2530 | POA | POA | POA | POA | POA | POA | — | — | POA |
| 36" | 2536 | POA | POA | POA | POA | POA | — | — | — | POA |
| 42" | 2542 | POA | POA | POA | POA | POA | — | — | — | POA |
| 48" | 2548 | POA | POA | POA | POA | POA | — | — | — | POA |
| 54" | 2554 | POA | — | — | — | — | — | — | — | — |
| 60" | 2560 | POA | — | — | — | — | — | — | — | POA |
| 66" | 2566 | POA | — | — | — | — | — | — | — | — |

Push-on ends are in accordance with ANSI/AWWA C111/A21.11 for use on ductile iron pipe sizes. Valves are furnished with TYTON® (TY) ends. TYTON® is a registered trademark of United States Pipe and Foundry Co., LLC.



Series 2500-1 Resilient Wedge Valve Parts

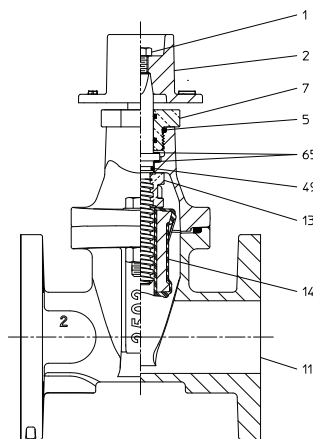
NON-RISING STEM (NRS)

| SEE PART # | NOTE | DESCRIPTION | 2" | 2-1/2" | 3" | 4" | 6" | 8" | 10" | 12" |
|---------------|------|---|-------|---------|---------|---------|---------|---------|---------|---------|
| 1 | | Hex Head Bolt, 1" | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |
| 2 | 1 | Operating Nut, 2" square | \$77 | \$77 | \$77 | \$77 | \$77 | \$77 | \$77 | \$77 |
| 3 | | O-Ring | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |
| 4 | | Lower Thrust Washer – 304 SS | – | – | \$6 | – | – | – | – | – |
| 5 | | Stuffing Box Gasket | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |
| 6 | | Hex Head Bolt, 1 1/4" | – | \$20 | \$20 | \$20 | \$20 | \$20 | – | – |
| 7 | | Stuffing Box Assembly | \$70 | \$70 | \$114 | \$114 | \$245 | \$245 | \$319 | \$319 |
| 8 | 6 | Bonnet | \$123 | \$245 | \$263 | \$854 | \$1,154 | \$1,659 | \$2,394 | \$3,217 |
| 9 | | Hex Head Bolt, 2" | – | – | – | \$20 | – | – | \$20 | \$20 |
| 10 | | Throat Flange Gasket | \$18 | \$21 | \$28 | \$41 | \$53 | \$67 | \$77 | \$84 |
| 11 | 2 | Valve Body | \$525 | \$1,187 | \$1,225 | \$1,474 | \$1,952 | \$2,919 | \$5,259 | \$6,631 |
| 12 | 1 | Stem | \$224 | \$237 | \$259 | \$277 | \$319 | \$441 | \$667 | \$734 |
| 13 | 1 | Wedge Nut | \$49 | \$49 | \$56 | \$77 | \$83 | \$88 | \$130 | \$130 |
| 14 | | Resilient Wedge | \$123 | \$132 | \$137 | \$83 | \$130 | \$179 | \$350 | \$445 |
| 15 | | Hex Nut | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |
| 17 | 1 | Handwheel | \$228 | \$228 | \$237 | \$245 | \$266 | \$294 | \$417 | \$417 |
| 19 | | Hex Head Bolt, 2 1/4" | \$13 | – | – | – | \$21 | – | – | – |
| 21 | | Hex Head Bolt, 2 1/2" | – | – | – | – | – | \$21 | – | – |
| 22 | | Hex Head Bolt, 2 3/4" | – | – | – | – | – | – | \$21 | – |
| 29 | | Flat Washer | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$14 | \$20 |
| 30 | | Indicator Plate | \$392 | \$392 | \$392 | \$392 | \$392 | \$392 | \$392 | \$392 |
| 41 | | Hex Head Bolt, 1 1/2" | – | – | – | – | – | – | \$6 | \$6 |
| 47 | | Hex Head Bolt, 3/4 – 10 x 2 3/4 | – | – | – | – | – | – | – | \$6 |
| 48 | | Hex Nut | – | – | – | – | – | – | – | \$6 |
| 49 | | O-Ring | \$9 | \$9 | \$9 | \$14 | \$14 | \$14 | \$20 | \$20 |
| | | Flange End Gasket for Tapping Valve | – | – | – | \$14 | \$16 | \$20 | \$32 | \$35 |
| | | Bolts & Nuts for Tapping Valve - 1 each | – | – | – | \$14 | \$20 | \$20 | \$35 | \$35 |
| 65 | | Upper Thrust Washer – 304 SS | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |
| | | Lower Thrust Washer – 304 SS | \$6 | \$6 | – | \$6 | \$6 | \$6 | \$6 | \$6 |
| 67 | | Hex Head Bolt, 3/4 – 10 x 3" | – | – | – | – | – | – | – | \$20 |
| 69 | | Wedge Guide Cover | \$9 | \$9 | \$9 | \$9 | \$9 | \$11 | \$11 | \$11 |
| 79 | | Hex Head Bolt, 1/2 – 13 x 1 1/4 | – | – | \$18 | – | – | – | – | – |
| 80 | | Hex Nut | – | – | \$6 | – | – | – | – | – |
| 82 | | Debris Seal | – | – | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |

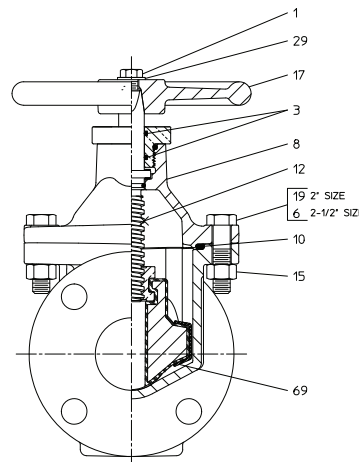
NOTES: Please include the following information when ordering:

1. Specify direction of opening.
2. Specify end connections.
3. 4" - 12" Series 2500-1 valves replaced 4" - 12" Series 2500 valves in 2005.
4. 2" Series 2500-1 valves replaced 2" Series 2500 valves in 2017.
5. 2-1/2" & 3" Series 2500-1 valves replaced 2-1/2" & 3" Series 2500 valves in 2021.
6. For 2" Bonnet with PIV Plate use Reference #30 for pricing.

SEE 2" & 2-1/2" 2500-1 NRS PARTS DIAGRAM BELOW.
SEE 3" & 4"- 12" 2500-1-NRS PARTS DIAGRAMS ON 58.



SHOWN WITH 2" OPERATING NUT

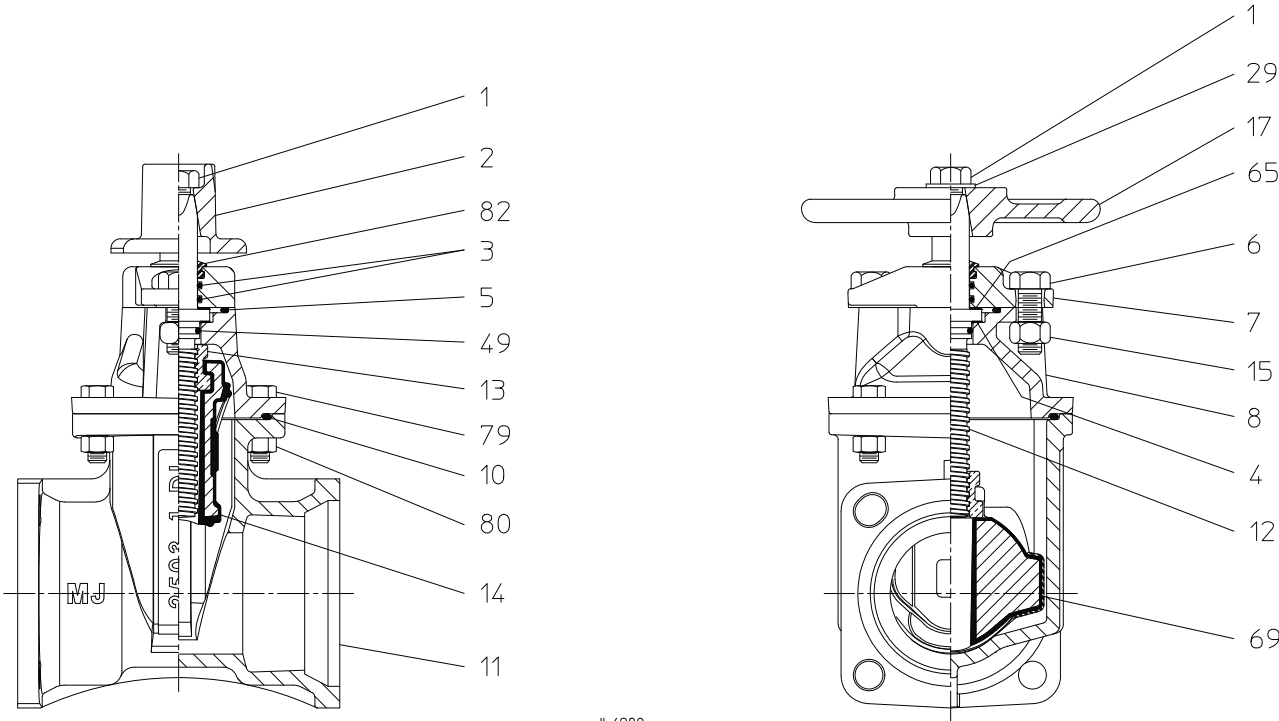


SHOWN WITH OPTIONAL HANDWHEEL

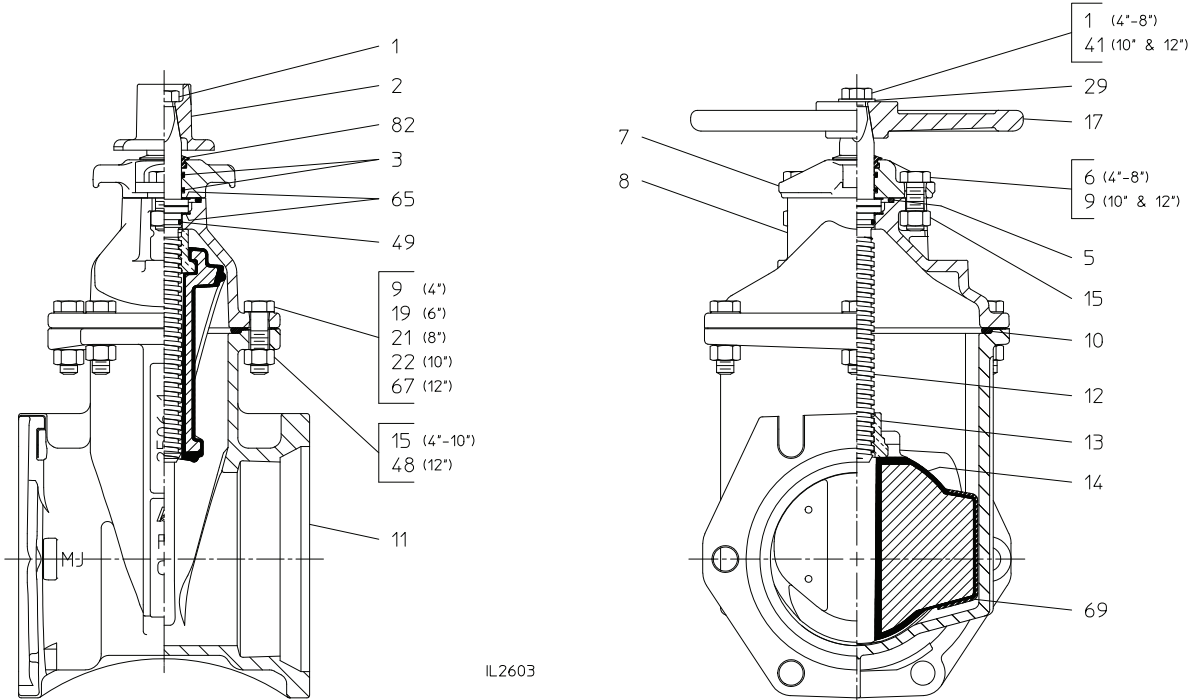


Series 2500-1 Resilient Wedge Valve Parts Diagram

3" 2500-1 NRS PARTS DIAGRAM



4"-12" 2500-1 NRS PARTS DIAGRAM



SHOWN WITH 2" OPERATING NUT

SHOWN WITH OPTIONAL HANDWHEEL

OCWUT 0032



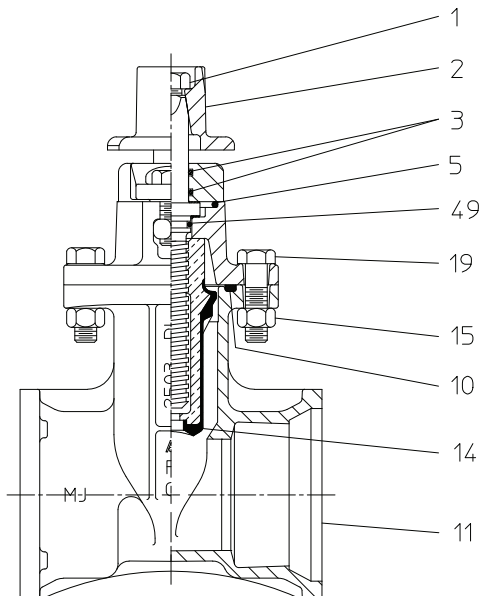
Series 2500 Resilient Wedge Valve Parts

NON-RISING STEM (NRS)

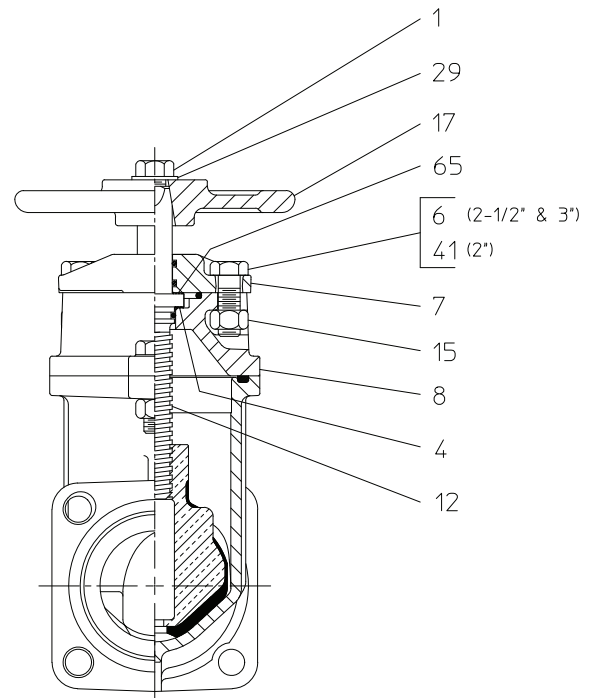
| PART # | SEE NOTE | DESCRIPTION | 2" | 2½" | 3" |
|--------|-------------|------------------------------|-------|-------|---------|
| 1 | | Hex Head Bolt, 1" | \$6 | \$6 | \$6 |
| 2 | 1 | Operating Nut, 2" square | \$77 | \$77 | \$77 |
| 3 | | O-Ring | \$6 | \$6 | \$6 |
| 4 | | Lower Thrust Washer – Teflon | \$6 | \$6 | \$6 |
| 5 | | Stuffing Box Gasket | \$6 | \$6 | \$6 |
| 6 | | Hex Head Bolt, 1½" | – | \$20 | \$20 |
| 7 | | Stuffing Box Assembly | \$114 | \$114 | \$114 |
| 8 | | Bonnet | – | – | \$854 |
| 10 | | Throat Flange Gasket | \$32 | \$32 | \$32 |
| 11 | 2 | Valve Body | – | – | \$1,474 |
| 12 | 1 | Stem | \$224 | \$224 | \$277 |
| 14 | | Resilient Wedge | \$128 | \$254 | \$272 |
| 15 | | Hex Nut | \$6 | \$6 | \$6 |
| 17 | 1 | Handwheel | \$228 | \$228 | \$228 |
| 19 | | Hex Head Bolt, 2½" | \$21 | \$21 | \$21 |
| 29 | | Flat Washer | \$6 | \$6 | \$6 |
| 30 | | Indicator Plate | \$392 | \$392 | \$392 |
| 41 | | Hex Head Bolt, 1½" | \$6 | – | – |
| 49 | | O-Ring | – | \$14 | \$14 |
| 65 | | Upper Thrust Washer – 304 SS | \$6 | \$6 | \$6 |
| | | Lower Thrust Washer – 304 SS | \$6 | \$6 | \$6 |

NOTES: Please include the following information when ordering:

1. Specify direction of opening.
2. Specify end connections.
3. 2" Series 2500-1 valves replaced 2" Series 2500 valves in 2017.
4. 2-1/2" & 3" Series 2500-1 valves replaced 2-1/2" & 3" Series 2500 valves in 2021.



SHOWN WITH 2" OPERATING NUT



SHOWN WITH OPTIONAL HANDWHEEL

IL4786



Series 2500-1 Resilient Wedge Valve Parts

OUTSIDE SCREW & YOKE (OS&Y)

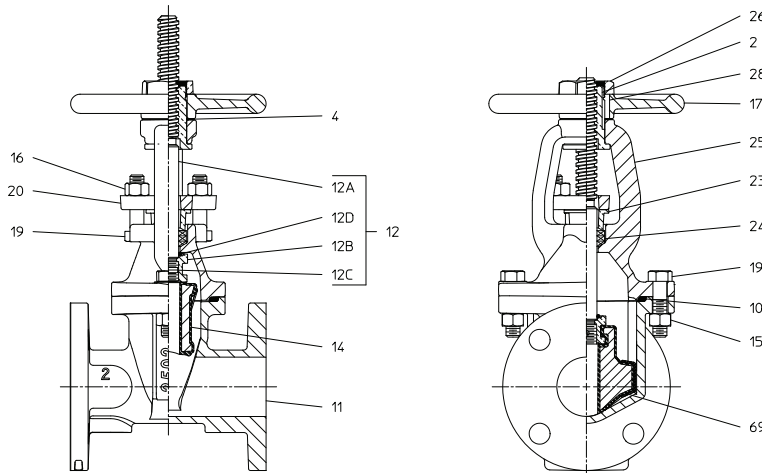
| SEE PART # | NOTE | DESCRIPTION | 2" | 3" | 4" | 6" | 8" | 10" | 12" |
|---------------|------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 2 | 2 | Yoke Nut | \$123 | — | — | — | — | \$405 | \$405 |
| 2 | 2 | Stem Nut (2 required per valve) | — | \$140 | \$168 | \$168 | \$168 | — | — |
| 3 | | O-Ring | — | — | \$6 | \$6 | \$6 | — | — |
| 4 | | Handwheel Washer | \$6 | \$6 | \$6 | \$6 | \$6 | \$14 | \$20 |
| 5 | | Stuffing Box Gasket | — | \$14 | \$14 | \$14 | \$14 | \$14 | \$14 |
| 8 | | Bonnet | — | \$315 | \$854 | \$1,154 | \$1,659 | \$2,394 | \$3,217 |
| 9 | | Hex Head Bolt, 2" | — | — | \$20 | \$20 | \$20 | — | — |
| 10 | | Throat Flange Gasket | 18 | 27 | \$41 | \$53 | \$67 | \$77 | \$84 |
| 11 | 1 | Valve Body | \$525 | \$1,225 | \$1,474 | \$1,952 | \$2,919 | \$5,259 | \$6,631 |
| 12 | 2 | Stem Only | — | — | \$331 | \$368 | \$423 | — | — |
| | 3 | Stem Assembly – Stem, Pin, O-Ring & Wedge Nut | \$438 | \$525 | — | — | — | \$723 | \$723 |
| 13 | 2 | Wedge Nut | — | — | \$184 | \$195 | \$203 | — | — |
| 14 | | Resilient Wedge | \$123 | \$132 | \$83 | \$130 | \$179 | \$350 | \$445 |
| 15 | | Hex Nut | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |
| 16 | | Hex Nut | \$7 | \$7 | \$9 | \$9 | \$9 | \$9 | \$9 |
| 17 | 2 | Handwheel | \$210 | \$228 | \$245 | \$266 | \$294 | \$417 | \$417 |
| 18 | | Groove Pin | — | — | \$6 | \$14 | \$14 | — | — |
| 19 | | Hex Head Bolt, 2 1/4" | \$13 | \$21 | \$21 | \$21 | — | \$21 | \$21 |
| 20 | | Gland Follower | \$70 | \$105 | \$195 | \$224 | \$266 | \$298 | \$319 |
| 21 | | Hex Head Bolt, 2 1/2" | — | — | — | — | \$21 | — | — |
| 22 | | Hex Head Bolt, 2 3/4" | — | — | \$20 | \$20 | \$20 | \$20 | — |
| 23 | | Packing Gland | \$21 | \$35 | \$53 | \$53 | \$53 | \$92 | \$92 |
| 24 | | Packing Ring (price is for 1) - Quantity needed per valve: | \$13 (4) | \$16 (5) | \$16 (6) | \$16 (6) | \$16 (6) | \$16 (5) | \$16 (5) |
| 25 | | Yoke | \$175 | \$613 | \$1,040 | \$1,069 | \$1,132 | \$1,195 | \$1,195 |
| 26 | | Handwheel Nut | \$70 | — | — | — | — | \$77 | \$77 |
| 27 | | Hex Head, 4 1/2" | — | — | — | — | — | \$6 | \$6 |
| 28 | | Square Key | \$18 | — | — | — | — | \$40 | \$40 |
| 48 | | Hex Nut, 3/4 - 10 | — | — | — | — | — | — | \$6 |
| 67 | | Hex Head Bolt, 3/4 - 10 x 3" | — | — | — | — | — | — | \$19 |
| 69 | | Wedge Guide Cover | \$9 | \$9 | \$8 | \$8 | \$11 | \$11 | \$11 |
| 79 | | Hex Head Bolt, 1/2 - 13 x 1 1/4 | — | — | \$18 | — | — | — | — |
| 80 | | Hex Nut | — | — | \$6 | — | — | — | — |
| 81 | | Hex Head Bolt, 1/2 - 13 x 2 1/4" | — | — | \$21 | — | — | — | — |

NOTES: Please include the following information when ordering:

1. Specify end connections.
2. Specify direction of opening.
3. Stem and/or wedge nut must be ordered as an assembly; specify direction of opening.
4. 4" - 12" Series 2500-1 valves replaced 4" - 12" Series 2500 valves in 2005.
5. 2" Series 2500-1 valves replaced 2" Series 2500 valves in 2017.
6. 3" Series 2500-1 valves replaced 3" Series 2500 valves in 2021.

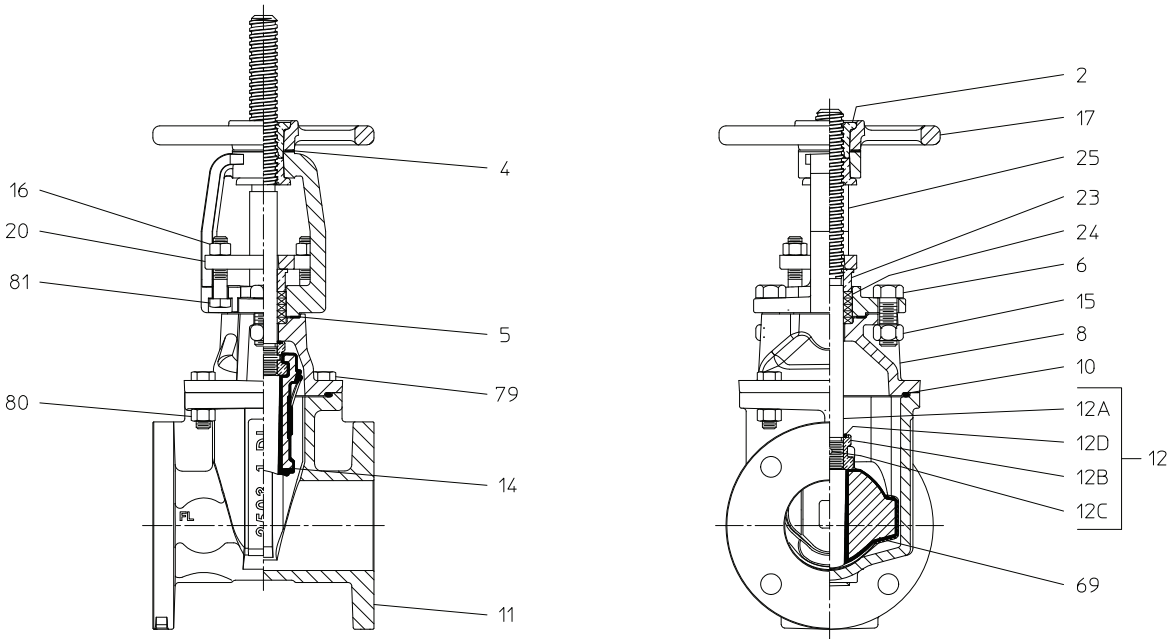
SEE 2" 2500-1 OS&Y PARTS DIAGRAM BELOW

SEE 3" & 4" - 12" 2500-1 OS&Y PARTS DIAGRAMS ON PAGE 61.

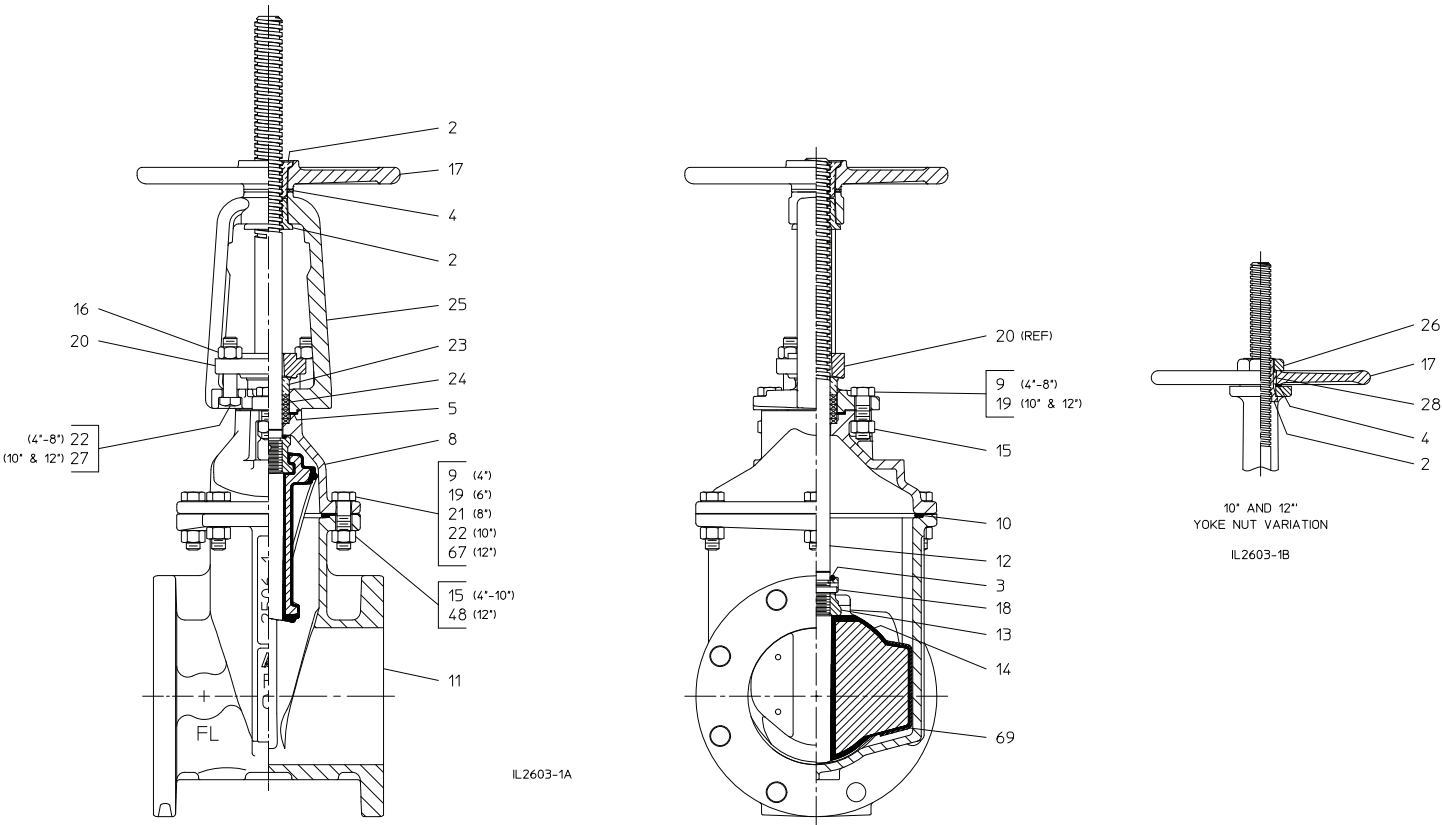


Series 2500-1 Resilient Wedge Valve Parts Diagram

3" 2500-1 OS&Y PARTS DIAGRAM



4"-12" 2500-1 OS&Y PARTS DIAGRAM





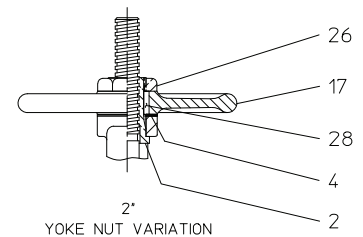
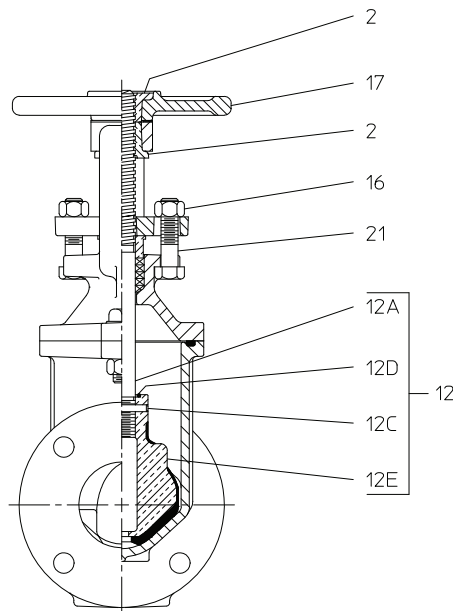
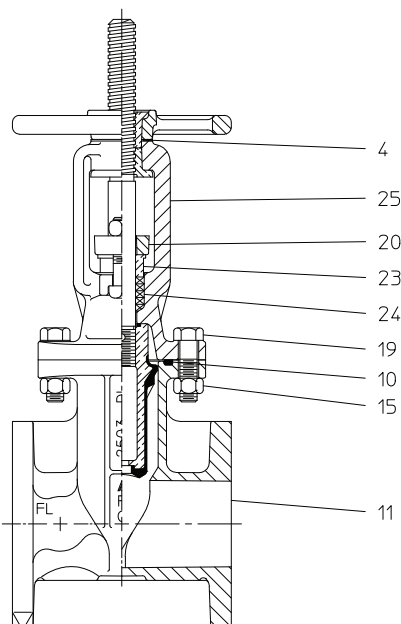
Series 2500 Resilient Wedge Valve Parts

OUTSIDE SCREW & YOKE (OS&Y)

| SEE | | | | | |
|--------|------|---|-------------|-------------|-------------|
| PART # | NOTE | DESCRIPTION | 2" | 2½" | 3" |
| 2 | 2 | Yoke Nut | \$184 | \$184 | \$263 |
| 3 | | O-Ring | \$6 | \$6 | \$6 |
| 4 | | Handwheel Washer | \$6 | \$6 | \$6 |
| 8 | 4 | Bonnet | — | — | \$854 |
| 9 | | Hex Head Bolt, 2" | — | \$21 | \$21 |
| 10 | | Throat Flange Gasket | \$32 | \$32 | \$32 |
| 11 | 1, 4 | Valve Body | — | — | \$1,474 |
| 12 | 3 | Stem Assembly – Stem, Pin, O-Ring & Wedge | \$854 | \$854 | \$854 |
| 12E | 3 | Resilient Wedge | — | — | — |
| 15 | | Hex Nut | \$6 | \$6 | \$6 |
| 16 | | Hex Nut | \$6 | \$6 | \$6 |
| 17 | 2 | Handwheel | \$228 | \$228 | \$228 |
| 19 | | Hex Head Bolt, 2½" | \$20 | — | — |
| 20 | | Gland Follower | \$114 | \$114 | \$156 |
| 21 | | Hex Head Bolt, 2½" | \$21 | \$21 | \$21 |
| 23 | | Packing Gland | \$27 | \$53 | \$53 |
| 24 | | Packing Ring (price is for 1) - Quantity needed per valve: | \$16 (4) | \$16 (5) | \$16 (5) |
| 25 | | Yoke | \$307 | \$333 | \$333 |
| 26 | | Handwheel Nut | \$30 | — | — |
| 28 | | Square Key | \$30 | — | — |

NOTES: Please include the following information when ordering:

1. Specify end connections.
2. Specify direction of opening.
3. 2" - 3"; Stem and/or wedge must be ordered as an assembly; specify direction of opening.
4. 2" Series 2500-1 valves replaced 2" Series 2500 valves in 2017.
5. 3" Series 2500-1 valves replaced 3" Series 2500 valves in 2021.



IL4786-1



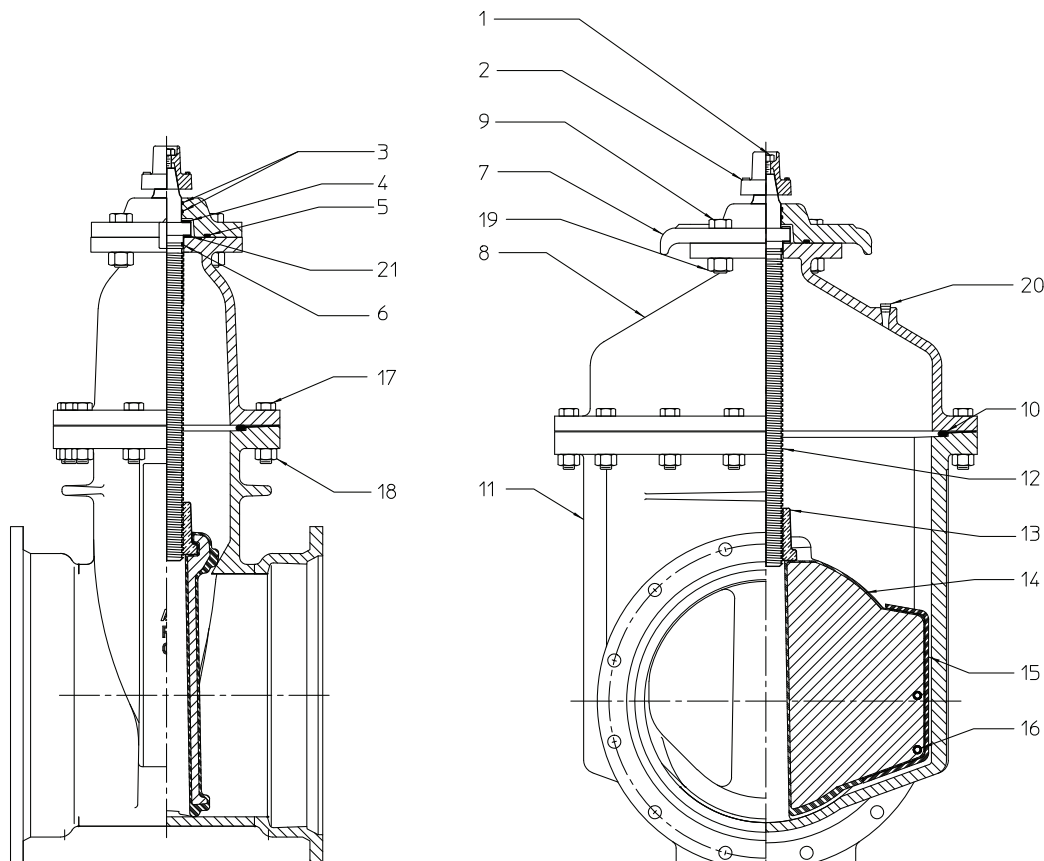
14" - 24" Series 2500 Resilient Wedge Valve Parts

NON-RISING STEM (NRS) – NON-GEARED

| SEE PART # | NOTE | DESCRIPTION | 14" | 16" | 18" | 20" | 24" |
|---------------|------|--------------------------|---------|---------|----------|----------|----------|
| 1 | | Hex Head Bolt, 5/8-11 | \$11 | \$11 | \$11 | \$11 | \$11 |
| 2 | 1 | Operating Nut, 2" square | \$104 | \$104 | \$104 | \$104 | \$104 |
| 3 | | O-Ring | \$20 | \$20 | \$20 | \$20 | \$20 |
| 4 | | Upper Thrust Washer | \$35 | \$35 | \$35 | \$35 | \$35 |
| 5 | | Stuffing Box Gasket | \$21 | \$21 | \$21 | \$32 | \$32 |
| 6 | | O-Ring | \$20 | \$20 | \$20 | \$20 | \$20 |
| 7 | | Stuffing Box | \$480 | \$655 | \$655 | \$2,219 | \$2,219 |
| 8 | | Bonnet | \$3,327 | \$3,565 | \$4,965 | \$7,492 | \$13,302 |
| 9 | | Hex Head Bolt, 7/8-9 | \$41 | \$41 | \$41 | \$41 | \$41 |
| 10 | | Throat Flange Gasket | \$104 | \$114 | \$151 | \$167 | \$174 |
| 11 | 2 | Valve Body | \$7,980 | \$8,320 | \$20,397 | \$23,057 | \$36,360 |
| 12 | 1 | Stem | \$2,394 | \$2,568 | \$2,750 | \$3,103 | \$3,726 |
| 13 | 1 | Wedge Nut | \$644 | \$644 | \$644 | \$644 | \$802 |
| 14 | | Resilient Wedge | \$1,663 | \$1,815 | \$2,573 | \$3,266 | \$6,118 |
| 15 | | Wedge Cover | \$98 | \$105 | \$146 | \$224 | \$245 |
| 16 | | Wedge Cover Pin | \$46 | \$46 | \$46 | \$53 | \$88 |
| 17 | | Hex Head Bolt | \$21 | \$21 | \$30 | \$30 | \$32 |
| 18 | | Hex Nut | \$11 | \$11 | \$11 | \$11 | \$11 |
| 19 | | Hex Nut, 7/8 - 9 | \$11 | \$11 | \$11 | \$11 | \$11 |
| 20 | | Pipe Plug | \$21 | \$21 | \$21 | \$21 | \$21 |
| 21 | | Lower Thrust Washer | \$35 | \$35 | \$35 | \$35 | \$46 |
| 26 | 1 | Handwheel | \$620 | \$620 | \$620 | \$912 | \$912 |
| 30 | | Indicator Plate | \$910 | \$910 | \$910 | \$910 | \$910 |

NOTES: Please include the following information when ordering:

1. Specify direction of opening.
2. Specify end connections.



94-21087



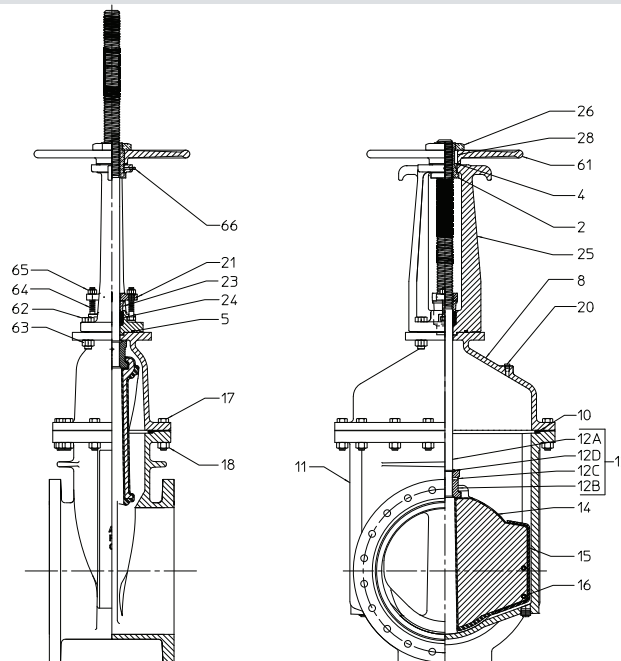
14" - 24" Series 2500 Resilient Wedge Valve Parts

OUTSIDE SCREW & YOKE (OS&Y)

| SEE PART # | NOTE | DESCRIPTION | 14" | 16" | 18" | 20" | 24" |
|---------------|------|-------------------------------|---------|---------|----------|----------|----------|
| 2 | 2 | Yoke Nut | \$700 | \$700 | \$788 | \$788 | \$788 |
| 4 | | Handwheel Washer | \$53 | \$53 | \$60 | \$60 | \$60 |
| 5 | | Stuffing Box Gasket | \$27 | \$27 | \$27 | \$27 | \$27 |
| 8 | | Bonnet | \$3,327 | \$3,565 | \$4,965 | \$7,492 | \$14,350 |
| 10 | | Bonnet Gasket | \$104 | \$114 | \$151 | \$167 | \$174 |
| 11 | 1 | Body | \$7,980 | \$8,320 | \$20,397 | \$23,057 | \$36,360 |
| 12 | 3 | Stem & Wedge Nut Assembly | \$2,713 | \$2,958 | \$5,207 | \$5,373 | \$7,665 |
| 12A | 3 | Stem (304 Stainless Steel) | - | - | - | - | - |
| 12B | 3 | Wedge Nut | - | - | - | - | - |
| 12C | 3 | Groove Pin | - | - | - | - | - |
| 12D | 3 | O-ring | - | - | - | - | - |
| 14 | | Resilient Wedge | \$1,663 | \$1,815 | \$2,573 | \$3,266 | \$6,118 |
| 15 | | Wedge Cover | \$98 | \$105 | \$146 | \$224 | \$245 |
| 16 | | Wedge Cover Pin | \$46 | \$46 | \$46 | \$53 | \$88 |
| 17 | | Hex Head Bolt | \$21 | \$21 | \$30 | \$30 | \$32 |
| 18 | | Hex Nut | \$11 | \$11 | \$11 | \$11 | \$11 |
| 20 | | Pipe Plug, 3/8 NPT | \$21 | \$21 | \$21 | \$21 | \$21 |
| 21 | | Gland Follower | \$350 | \$350 | \$394 | \$394 | \$394 |
| 23 | | Gland | \$97 | \$97 | \$105 | \$105 | \$105 |
| 24 | | Packing Ring (price is for 1) | \$34 | \$34 | \$35 | \$35 | \$35 |
| | | - Quantity needed per valve: | (6) | (6) | (6) | (6) | (6) |
| 25 | | Yoke | \$1,374 | \$1,374 | \$1,680 | \$1,680 | \$1,943 |
| 26 | | Handwheel Nut | \$123 | \$123 | \$126 | \$126 | \$126 |
| 28 | | Square Key | \$70 | \$70 | \$132 | \$132 | \$132 |
| 61 | 2 | Handwheel | \$613 | \$613 | \$910 | \$910 | \$910 |
| 62 | | Hex Head Bolt 7/8-9 | \$21 | \$21 | \$30 | \$30 | \$32 |
| 63 | | Hex Nut 7/8 | \$11 | \$11 | \$11 | \$11 | \$11 |
| 64 | | Hex Head Bolt 5/8-11 x 3-1/2 | \$16 | \$16 | \$16 | \$16 | \$16 |
| 65 | | Hex Nut 5/8 | \$9 | \$9 | \$9 | \$9 | \$9 |
| 66 | | 1/4" Zerk Fittings | \$18 | \$18 | \$18 | \$18 | \$18 |

NOTES: Please include the following information when ordering:

1. Specify end connections.
2. Specify direction of opening.
3. Stem and/or wedge nut must be ordered as an assembly; specify direction of opening.



91-21701



Tapping Valves - AFC Series 2500/2500-1 Ductile Iron Resilient Wedge

4" - 48" - 250 PSI Water Working Pressure

| SIZE | MODEL | FLANGE X MJ LESS MJ ACC. (TM) | FLANGE X MJ W/MJ ACC. (TM) |
|------|-------|----------------------------------|-------------------------------|
| 4" | 2504 | \$1,938 | \$2,051 |
| 6" | 2506 | \$2,736 | \$2,844 |
| 8" | 2508 | \$4,038 | \$4,220 |
| 10" | 2510 | \$6,127 | \$6,314 |
| 12" | 2512 | \$9,254 | \$9,650 |
| 14" | 2514 | \$21,247 | \$21,786 |
| 16" | 2516 | \$24,093 | \$24,738 |
| 18" | 2518 | \$40,004 | \$41,050 |
| 20" | 2520 | \$48,300 | \$49,438 |
| 24" | 2524 | \$65,547 | \$67,277 |

Price includes flange joint material.

Add for A277 Valve Mounted Enclosed Miter Gear (4"-12" only)...\$5,460

INCLUDES BEVEL GEAR

| SIZE | MODEL | FLANGE X MJ LESS MJ ACC. (TM) | FLANGE X MJ W/MJ ACC. (TM) |
|------|-------|----------------------------------|-------------------------------|
| 14" | 2514 | \$27,723 | \$28,261 |
| 16" | 2516 | \$30,569 | \$31,214 |
| 18" | 2518 | \$47,702 | \$48,749 |
| 20" | 2520 | \$56,000 | \$57,136 |
| 24" | 2524 | \$74,188 | \$75,918 |
| 30" | 2530 | POA | POA |
| 36" | 2536 | POA | POA |
| 42" | 2542 | POA | POA |
| 48" | 2548 | POA | POA |

Price includes flange joint material.

INCLUDES SPUR GEAR

| FLANGE X MJ LESS MJ ACC. (TM) | FLANGE X MJ W/MJ ACC. (TM) |
|----------------------------------|-------------------------------|
| \$27,461 | \$27,999 |
| \$30,306 | \$30,952 |
| \$47,148 | \$48,195 |
| \$55,446 | \$56,582 |
| \$73,889 | \$75,619 |
| POA | POA |
| POA | POA |
| POA | POA |
| POA | POA |

OCWUT 000032



Ductile Iron Tapping Sleeves

| SIZE Inches | MECH. JOINT FOR C.I./D.I. PIPE |
|----------------|-----------------------------------|
| 4 x 4 | \$1,867 |
| 6 x 4 | \$2,221 |
| 6 x 6 | \$2,221 |
| 8 x 4 | \$2,728 |
| 8 x 6 | \$2,728 |
| 8 x 8 | \$2,951 |
| 10 x 4 | \$5,395 |
| 10 x 6 | \$5,395 |
| 10 x 8 | \$5,731 |
| 10 x 10 | \$5,844 |
| 12 x 4 | \$5,395 |
| 12 x 6 | \$5,395 |
| 12 x 8 | \$5,731 |
| 12 x 10 | \$6,631 |
| 12 x 12 | \$6,815 |
| 14 x 4 | \$13,181 |
| 14 x 6 | \$13,472 |
| 14 x 8 | \$13,566 |
| 14 x 10 | \$13,708 |
| 14 x 12 | \$13,737 |
| 14 x 14 | \$14,254 |
| 16 x 4 | \$14,139 |
| 16 x 6 | \$14,425 |
| 16 x 8 | \$14,580 |
| 16 x 10 | \$14,640 |
| 16 x 12 | \$14,711 |
| 16 x 16 | \$15,391 |
| 18 x 4 | \$20,533 |
| 18 x 6 | \$21,596 |
| 18 x 8 | \$21,741 |
| 18 x 10 | \$21,741 |
| 18 x 12 | \$21,741 |
| 18 x 14 | \$21,741 |
| 18 x 16 | \$21,741 |
| 18 x 18 | \$22,355 |

| SIZE Inches | MECH. JOINT FOR C.I./D.I. PIPE |
|----------------|-----------------------------------|
| 20 x 4 | \$18,370 |
| 20 x 6 | \$18,370 |
| 20 x 8 | \$17,832 |
| 20 x 10 | \$17,942 |
| 20 x 12 | \$18,717 |
| 20 x 14 | \$26,972 |
| 20 x 16 | \$27,366 |
| 20 x 18 | \$27,366 |
| 20 x 20 | \$27,366 |
| 24 x 4 | \$22,565 |
| 24 x 6 | \$22,565 |
| 24 x 8 | \$22,565 |
| 24 x 10 | \$22,838 |
| 24 x 12 | \$22,890 |
| 24 x 14 | \$33,755 |
| 24 x 16 | \$34,149 |
| 24 x 18 | \$34,149 |
| 24 x 20 | \$35,133 |
| 24 x 24 | \$35,543 |
| 30 x 6 | POA |
| 30 x 8 | POA |
| 36 x 6 | POA |
| 36 x 8 | POA |

| SIZE Inches | MECH. JOINT FOR A.C. PIPE |
|----------------|------------------------------|
| 4 x 4 | \$1,867 |
| 6 x 4 | \$2,221 |
| 6 x 6 | \$2,221 |
| 8 x 4 | \$2,728 |
| 8 x 6 | \$2,728 |
| 8 x 8 | \$2,951 |
| 10 x 4 | \$5,395 |
| 10 x 6 | \$5,395 |
| 10 x 8 | \$5,731 |
| 10 x 10 | \$5,844 |
| 12 x 4 | \$5,395 |
| 12 x 6 | \$5,395 |
| 12 x 8 | \$5,731 |
| 12 x 10 | \$6,631 |
| 12 x 12 | \$6,815 |

Ductile Iron Repair Sleeves

| SIZE Inches | MECH. JOINT FOR C.I./D.I. PIPE |
|----------------|-----------------------------------|
| 4" | \$1,460 |
| 6" | \$1,790 |
| 8" | \$2,079 |
| 10" | \$4,461 |
| 12" | \$4,856 |
| 16" | \$10,532 |

Mechanical Joint 4" thru 12" fit class AB & CD pipe. 14" and larger fit class AB pipe.

O
C
W
U
T
0
0
0
3
2



Series 2800 Tapping Sleeve Parts

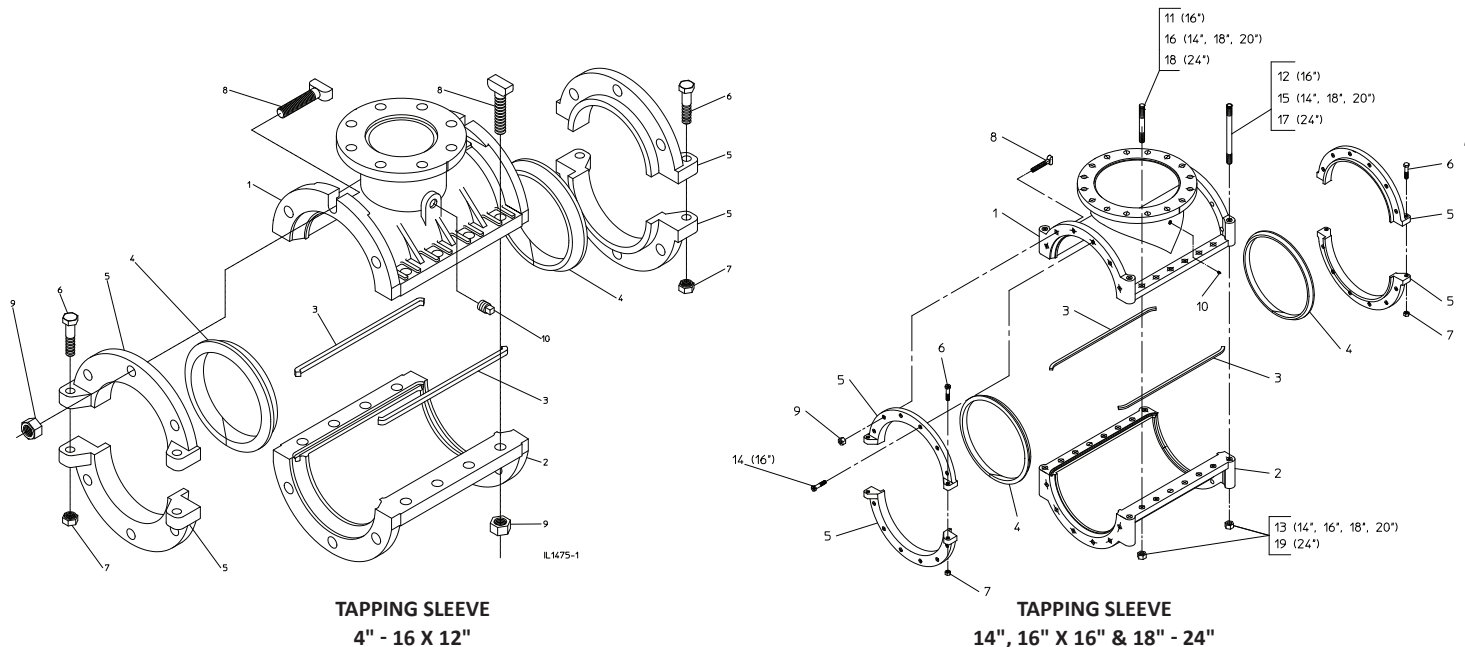
| REF NO. | DESCRIPTION | 4" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" |
|---------|----------------------------------|-------|-------|-------|-------|---------|---------|---------|---------|---------|---------|
| 1 | Sleeve Front (not sold as parts) | — | — | — | — | — | — | — | — | — | — |
| 2 | Sleeve Back (not sold as parts) | — | — | — | — | — | — | — | — | — | — |
| 3 | Side Gaskets – Each | \$67 | \$67 | \$67 | \$67 | \$67 | \$67 | \$67 | \$146 | \$161 | \$195 |
| 4 | End Gaskets - CI/DI – Each | \$72 | \$77 | \$84 | \$88 | \$104 | \$105 | \$119 | \$135 | \$147 | \$179 |
| | End Gaskets - AC – Each | \$104 | \$126 | \$161 | \$193 | \$231 | — | — | — | — | — |
| 5 | Split Glands – Pair | \$277 | \$347 | \$347 | \$986 | \$1,418 | \$1,549 | \$1,770 | \$1,995 | \$2,205 | \$2,652 |
| 6/7 | Bolt & Nut – Each | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |
| 8/9 | T-Head Bolt & Nut – Each | \$32 | \$32 | \$35 | \$35 | \$35 | \$35 | \$35 | \$35 | \$35 | \$35 |
| 10 | Pipe Plug | \$32 | \$32 | \$32 | \$32 | \$32 | \$32 | \$32 | \$32 | \$32 | \$32 |
| 11 | Bolt 1 - 8 x 4 | — | — | — | — | — | — | \$51 | — | — | — |
| 12 | Bolt 1 - 8 x 13 | — | — | — | — | — | — | \$126 | — | — | — |
| 13 | Nut | — | — | — | — | — | \$20 | \$20 | \$20 | \$20 | \$27 |
| 14 | Bolt 3/4 - 10 x 3 1/4" | — | — | — | — | — | — | \$53 | — | — | — |
| 15 | Stud 1 - 8 x 11 | — | — | — | — | — | \$119 | — | \$119 | \$119 | \$147 |
| 16 | Stud 1 - 8 x 5-1/2 | — | — | — | — | — | \$63 | — | \$63 | \$63 | \$105 |
| 17 | Stud 1-1/4 - 8 x 11 | — | — | — | — | — | — | — | — | — | \$147 |
| 18 | Stud 1-1/4 - 8 x 6 | — | — | — | — | — | — | — | — | — | \$105 |
| 19 | Stud 1-1/4 - 8 | — | — | — | — | — | — | — | — | — | \$27 |

Specify if tapping sleeve is for CI/DI or AC pipe.

**16x16 sleeve takes side gasket 912791

TAPPING SLEEVE ACCESSORY KITS (Includes Side Gaskets, End Gaskets, T-Bolts & Nuts)

| KIT NO. | DESCRIPTION | 4" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" |
|-----------------|--------------------------------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| For CI/DI Pipe: | | | | | | | | | | | |
| K809 | with 3/4" End Gaskets | \$399 | \$541 | \$636 | \$839 | \$860 | \$1,124 | \$1,281 | \$1,470 | \$1,680 | \$1,969 |
| K811 | with 3/4" and 5/8" End Gaskets | \$508 | \$665 | \$770 | \$982 | \$1,017 | — | \$1,469 | — | — | — |
| K810 | For AC Pipe | \$613 | \$807 | \$1,017 | \$1,301 | \$1,448 | — | — | — | — | — |





Series 2100 Ductile Iron Resilient Seated Check Valve

250 PSI Water Working Pressure

FLANGED ENDS CLASS 125

| SIZE | MODEL | PRICE |
|------|-------|----------|
| 3" | 2103 | \$1,875 |
| 4" | 2104 | \$2,079 |
| 6" | 2106 | \$3,119 |
| 8" | 2108 | \$4,566 |
| 10" | 2110 | \$8,190 |
| 12" | 2112 | \$12,829 |
| 14" | 2114 | \$21,775 |
| 16" | 2116 | \$29,768 |

MJ X SOLID GLAND END

| SIZE | MODEL | PRICE |
|------|-------|---------|
| 6" | 2106 | \$3,297 |

ADD FOR OPTIONAL ACCESSORIES

| SIZE | POSITION INDICATOR | BACK FLUSHING ACTUATOR |
|------|-----------------------|---------------------------|
| 3" | \$906 | \$872 |
| 4" | \$906 | \$928 |
| 6" | \$906 | \$1,268 |
| 8" | \$906 | \$1,985 |
| 10" | \$906 | \$2,293 |
| 12" | \$906 | \$2,589 |
| 14" | \$906 | \$4,134 |
| 16" | \$906 | \$4,410 |

OCWUT 00032



AWWA Swing Check Valves

3" thru 12" 50-Line – 200 PSI Water Working Pressure

14" thru 16" 50-Line – 150 PSI Water Working Pressure

3" thru 12" Series 600 – 200 PSI Water Working Pressure

50-LINE VALVES WITH BRONZE FACED DISC – AMERICAN-DARLING VALVE STANDARD

| SIZE | MODEL # 52 SC FLANGED ENDS |
|------|-------------------------------|
| 3" | \$2,032 |
| 4" | \$2,510 |
| 6" | \$3,770 |
| 8" | \$5,518 |
| 10" | \$9,902 |
| 12" | \$15,501 |
| 14" | \$21,924 |
| 16" | \$29,715 |

| SIZE | MODEL # 52 SC FLANGED ENDS |
|------|-------------------------------|
| 3" | \$3,248 |
| 4" | \$3,825 |
| 6" | \$5,145 |
| 8" | \$7,797 |
| 10" | \$12,514 |
| 12" | \$17,992 |
| 14" | \$26,332 |
| 16" | \$34,372 |

50-LINE VALVES WITH RUBBER FACED DISC – AMERICAN-DARLING VALVE STANDARD

| SIZE | MODEL # 52 SC FLANGED ENDS |
|------|-------------------------------|
| 3" | \$2,032 |
| 4" | \$2,510 |
| 6" | \$3,770 |
| 8" | \$5,518 |
| 10" | \$9,902 |

| SIZE | MODEL # 52 SC FLANGED ENDS |
|------|-------------------------------|
| 3" | \$3,248 |
| 4" | \$3,825 |
| 6" | \$5,145 |
| 8" | \$7,797 |
| 10" | \$12,514 |

SERIES 600 VALVES WITH RESILIENT SEATED DISC – WATEROUS STANDARD

| SIZE | FLANGED ENDS |
|------|--------------|
| 3" | \$2,032 |
| 4" | \$2,510 |
| 6" | \$3,770 |
| 8" | \$5,518 |
| 10" | \$9,902 |
| 12" | \$15,501 |

| SIZE | FLANGED ENDS |
|------|--------------|
| 3" | \$3,248 |
| 4" | \$3,825 |
| 6" | \$5,145 |
| 8" | \$7,797 |
| 10" | \$12,514 |
| 12" | \$17,992 |

Valves are equipped with O-Ring Seal in the Disc.

ADD FOR EPOXY COATING

| SIZE | PRICE |
|------|---------|
| 3" | \$221 |
| 4" | \$431 |
| 6" | \$434 |
| 8" | \$447 |
| 10" | \$604 |
| 12" | \$812 |
| 14" | \$1,090 |
| 16" | \$1,439 |

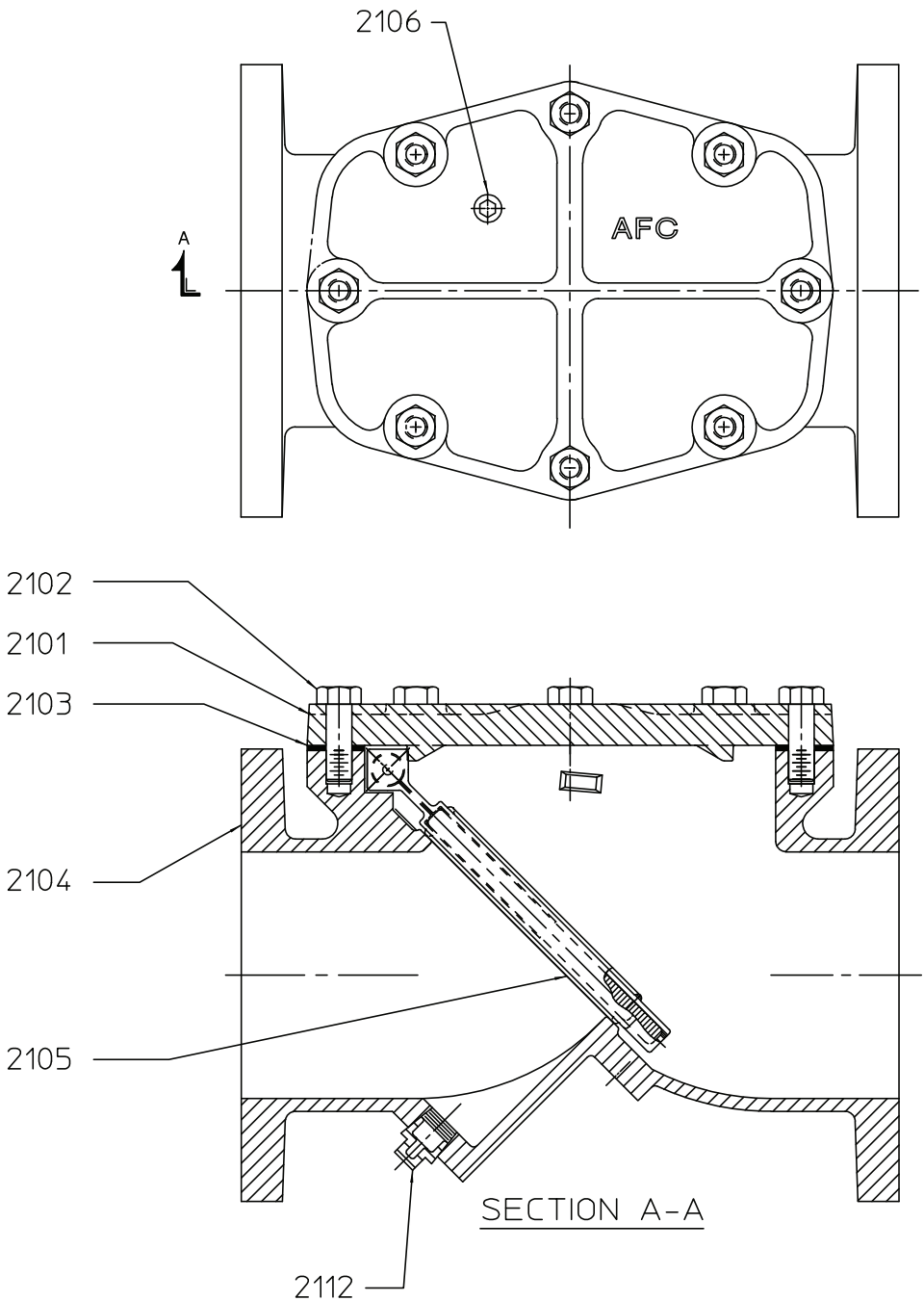
Add for each tap location - All Sizes \$175

OCWUT 00032

Check Valve Repair Parts

SERIES 2100 RESILIENT SEATED CHECK VALVE

| PART NO. | DESCRIPTION | 3" | 4" | 6" | 8" | 10" | 12" | 14" | 16" |
|----------|----------------|---------|---------|---------|---------|---------|---------|----------|----------|
| 2101 | Valve Bonnet | \$252 | \$277 | \$494 | \$739 | \$1,663 | \$2,151 | \$3,842 | \$4,540 |
| 2102 | Bonnet Bolt | \$11 | \$11 | \$14 | \$14 | \$20 | \$20 | \$30 | \$35 |
| 2103 | Bonnet Gasket | \$140 | \$179 | \$184 | \$200 | \$277 | \$289 | \$315 | \$331 |
| 2104 | Valve Body | \$1,259 | \$1,642 | \$2,219 | \$2,436 | \$3,660 | \$4,389 | \$12,221 | \$15,362 |
| 2105 | Disc | \$392 | \$445 | \$665 | \$802 | \$1,332 | \$1,553 | \$2,025 | \$2,358 |
| 2106 | Pipe Plug, 3/8 | \$35 | \$35 | \$35 | \$35 | \$35 | \$35 | \$35 | \$35 |
| 2112 | Pipe Plug | \$53 | \$56 | \$56 | \$56 | \$77 | \$77 | \$88 | \$88 |



OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

Check Valve Repair Parts - IBBM

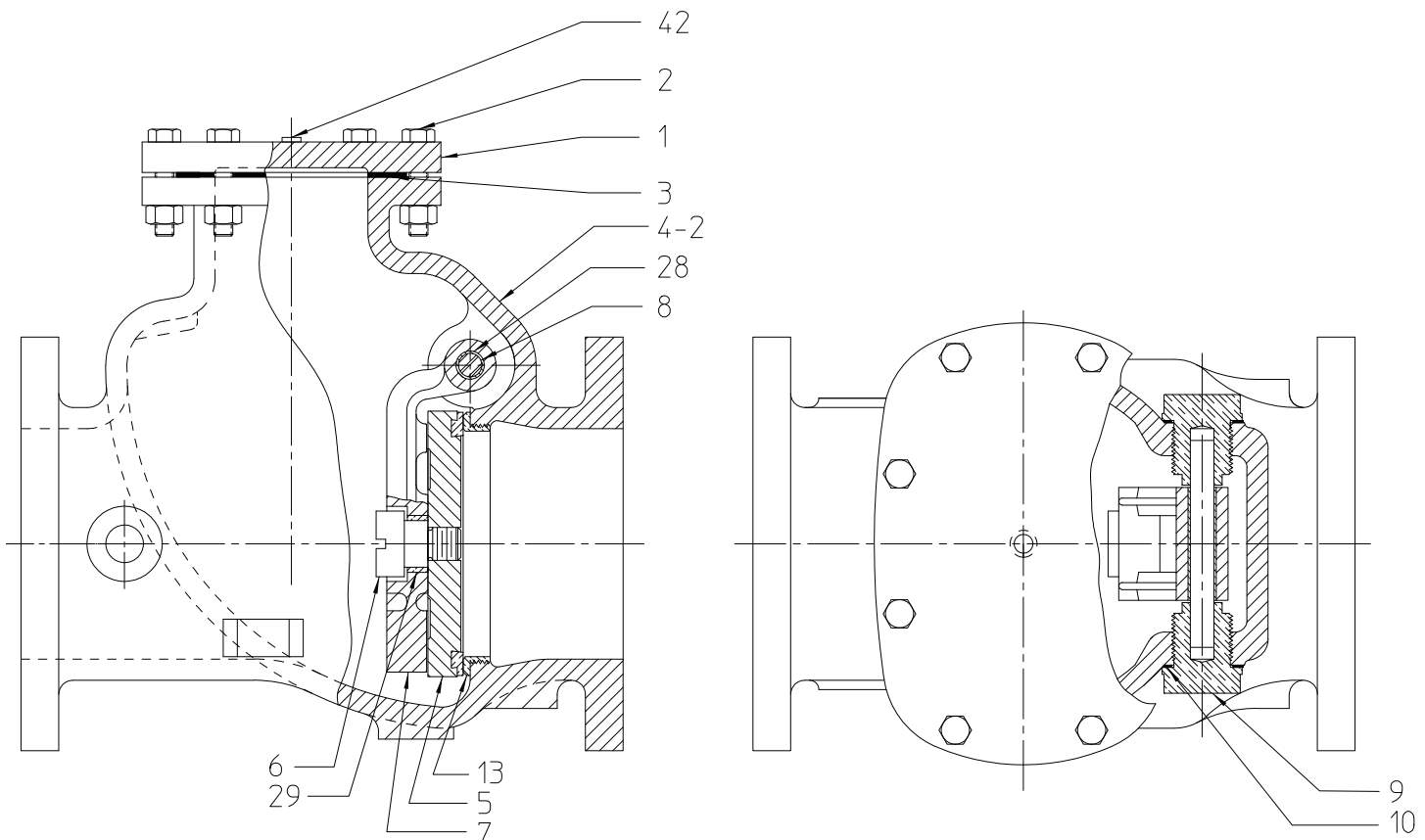
50 LINE STANDARD

| PART NO. | DESCRIPTION | 3" | 4" | 6" | 8" | 10" | 12" | 14" | 16" |
|----------|---------------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Bonnet | \$193 | \$277 | \$494 | \$739 | \$1,003 | \$1,428 | \$1,581 | \$1,764 |
| 2 | Bonnet Bolt & Nut | (6) \$14 | (8) \$14 | (10) \$14 | (12) \$19 | (14) \$19 | (18) \$19 | (18) \$19 | (18) \$19 |
| 3 | Bonnet Gasket | \$20 | \$20 | \$21 | \$41 | \$67 | \$88 | \$105 | \$126 |
| *4-2 | Flange Case | \$3,266 | \$3,859 | \$5,301 | \$6,552 | \$12,978 | \$15,344 | \$15,964 | \$17,735 |
| 5 | Disc with Stud | \$476 | \$539 | \$998 | \$1,474 | \$1,885 | \$3,150 | \$3,565 | \$3,864 |
| 6 | Disc Stud | \$193 | \$203 | \$247 | \$331 | \$382 | \$891 | \$951 | \$1,014 |
| **7 | Clapper Arm with Bushings | \$279 | \$384 | \$594 | \$783 | \$986 | \$2,221 | \$2,379 | \$2,498 |
| 8 | Clapper Arm Shaft | \$67 | \$104 | \$114 | \$231 | \$263 | \$384 | \$415 | \$445 |
| 9 | Retainer Plug (2) | \$263 | \$263 | \$263 | \$382 | \$382 | \$447 | \$508 | \$594 |
| 10 | Retainer Plug Gasket (2) | \$11 | \$11 | \$11 | \$14 | \$14 | \$14 | \$20 | \$20 |
| 13 | Seat Ring | \$137 | \$174 | \$210 | \$382 | \$457 | \$891 | \$1,122 | \$1,570 |
| 28 | Shaft Bushing | \$72 | \$77 | \$84 | \$88 | \$95 | \$105 | \$114 | \$119 |
| 29 | Stud Bushing | \$51 | \$51 | \$62 | \$72 | \$88 | \$214 | \$226 | \$242 |
| 42 | Pipe Plug | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 |

*Part No. 4-2 – Price includes Seat Ring, Part No. 13.

**Part No. 7 – Price includes Shaft Bushing, Part No. 28 and Stud Bushing, Part No. 29.

NOTE: Numbers in parentheses indicate number required per valve.



[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

Check Valve Repair Parts - IBBM

50 LINE - LEVER & WEIGHT

| PART NO. | DESCRIPTION | 3" | 4" | 6" | 8" | 10" | 12" | 14" | 16" |
|----------|---|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Bonnet | \$193 | \$277 | \$494 | \$739 | \$1,003 | \$1,428 | \$1,581 | \$1,764 |
| 2 | Bonnet Bolt & Nut | (6) \$14 | (8) \$14 | (10) \$14 | (12) \$19 | (14) \$19 | (18) \$19 | (18) \$19 | (18) \$19 |
| 3 | Bonnet Gasket | \$19 | \$19 | \$21 | \$40 | \$66 | \$87 | \$105 | \$126 |
| *4-2 | Flange Case | \$3,266 | \$3,859 | \$5,300 | \$6,552 | \$12,978 | \$15,344 | \$15,963 | \$17,735 |
| 5 | Disc with Stud | \$476 | \$539 | \$998 | \$1,473 | \$1,885 | \$3,150 | \$3,565 | \$3,864 |
| 6 | Disc Stud | \$193 | \$203 | \$247 | \$331 | \$382 | \$891 | \$951 | \$1,014 |
| **7-1 | Clapper Arm with Bushing | \$279 | \$384 | \$594 | \$783 | \$986 | \$2,221 | \$2,379 | \$2,498 |
| 8 | Clapper Arm Shaft (if built since 2008) | \$277 | \$284 | \$315 | \$466 | \$539 | \$1,854 | \$1,904 | \$2,022 |
| ***8-1 | Clapper Arm Shaft Assembly | \$671 | \$825 | \$888 | \$1,080 | \$1,187 | \$2,744 | \$2,825 | \$3,093 |
| 9 | Retainer Plug | \$263 | \$263 | \$263 | \$382 | \$382 | \$447 | \$508 | \$594 |
| ****9-1 | Retainer Plug – Lever | \$284 | \$284 | \$284 | \$410 | \$410 | \$562 | \$618 | \$688 |
| 10 | Retainer Plug Gasket (2 Required) | \$11 | \$11 | \$11 | \$14 | \$14 | \$14 | \$20 | \$20 |
| 13 | Seat Ring | \$137 | \$174 | \$210 | \$381 | \$457 | \$890 | \$1,121 | \$1,570 |
| 19 | Shaft Pin (if built before 2008) | \$14 | \$14 | \$14 | \$14 | \$14 | \$14 | \$20 | \$20 |
| 20 | Shaft Key (if built before 2008) | \$20 | \$20 | \$20 | \$21 | \$21 | \$41 | \$53 | \$53 |
| 25 | Weight | \$137 | \$137 | \$273 | \$405 | \$825 | \$923 | \$951 | \$982 |
| 26 | O-Ring (2 Required) | \$11 | \$14 | \$14 | \$14 | \$14 | \$20 | \$20 | \$20 |
| 27 | Weight Set Screw | \$11 | \$11 | \$11 | \$11 | \$11 | \$14 | \$14 | \$14 |
| 29 | Stud Bushing | \$51 | \$51 | \$62 | \$72 | \$88 | \$214 | \$226 | \$242 |
| 32-7 | Grease Fitting | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 |
| 41 | Lever for Weight (if built since 2008) | \$266 | \$382 | \$410 | \$410 | \$441 | \$560 | \$625 | \$688 |
| 41-1 | Lever Bolt | \$14 | \$14 | \$14 | \$21 | \$21 | \$27 | \$27 | \$32 |
| 41-2 | Lever Washer | \$6 | \$6 | \$6 | \$6 | \$6 | \$11 | \$11 | \$14 |
| 42 | Pipe Plug | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 |
| 49 | Lever Set Screw (if built before 2008) | \$11 | \$11 | \$11 | \$11 | \$14 | \$14 | \$14 | \$14 |

*Part No. 4-2 – Price includes Seat Ring, Part No. 13.

**Part No. 7-1 – Price includes Stud Bushing, Part No. 29.

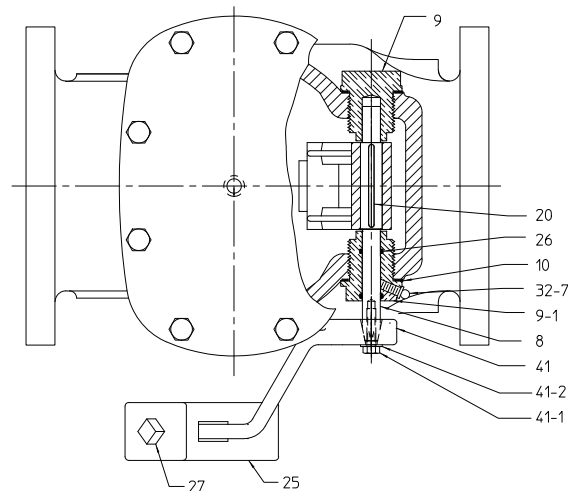
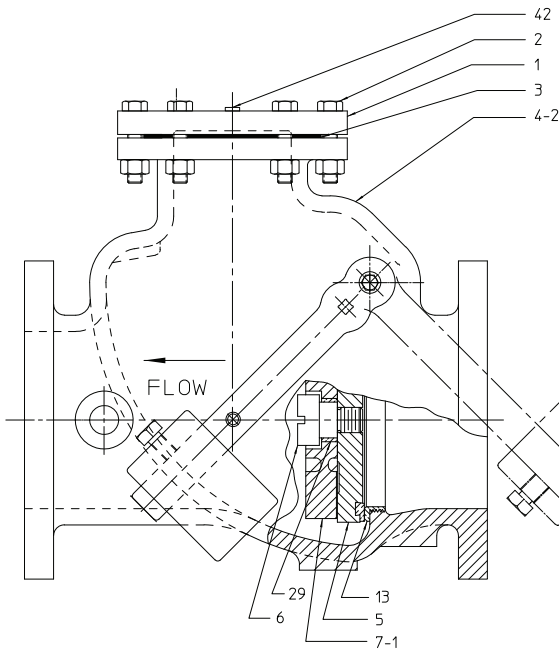
***Part No. 8-1 – Price includes the following parts:

Clapper Arm Shaft, Part No. 8; Lever for Weight, Part No. 41; Shaft Key, Part No. 20;

Lever Bolt, Part No. 41-1; Lever Washer, Part No. 41-2.

****Part No. 9-1 – Price includes 2 O-Rings, Part No. 26, and Grease Fittings, Part No. 32-7.

NOTE: Numbers in parentheses indicate number required per valve.



[Back to Index](#)
AMERICAN
 FLOW CONTROL
 THE RIGHT WAY

Check Valve Repair Parts - IBBM

50 LINE - LEVER & SPRING

| PART NO. | DESCRIPTION | 3" | 4" | 6" | 8" | 10" | 12" | 14" | 16" |
|----------|---|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Bonnet | \$193 | \$277 | \$494 | \$739 | \$1,003 | \$1,428 | \$1,581 | \$1,764 |
| 2 | Bonnet Bolt & Nut | (6) \$14 | (8) \$14 | (10) \$14 | (12) \$14 | (14) \$19 | (18) \$19 | (18) \$19 | (18) \$19 |
| 3 | Bonnet Gasket | \$19 | \$19 | \$21 | \$40 | \$66 | \$87 | \$105 | \$126 |
| *4-2 | Flange Case | \$3,266 | \$3,859 | \$5,300 | \$6,552 | \$12,978 | \$15,344 | \$15,963 | \$17,735 |
| 5 | Disc with Stud | \$476 | \$539 | \$998 | \$1,473 | \$1,885 | \$3,150 | \$3,565 | \$3,864 |
| 6 | Disc Stud | \$193 | \$203 | \$247 | \$331 | \$382 | \$891 | \$951 | \$1,014 |
| **7-1 | Clapper Arm with Bushing | \$279 | \$384 | \$594 | \$783 | \$986 | \$2,221 | \$2,379 | \$2,498 |
| 8 | Clapper Arm Shaft (if built since 2008) | \$277 | \$284 | \$315 | \$466 | \$539 | \$1,854 | \$1,904 | \$2,022 |
| ***8-1 | Clapper Arm Shaft Assembly | \$671 | \$825 | \$888 | \$1,080 | \$1,187 | \$2,744 | \$2,825 | \$3,093 |
| 9 | Retainer Plug | \$263 | \$263 | \$263 | \$382 | \$382 | \$447 | \$508 | \$594 |
| ****9-1 | Retainer Plug - Lever | \$284 | \$284 | \$284 | \$410 | \$410 | \$562 | \$618 | \$688 |
| 10 | Retainer Plug Gasket (2 Required) | \$11 | \$11 | \$11 | \$14 | \$14 | \$14 | \$20 | \$20 |
| 13 | Seat Ring | \$137 | \$174 | \$210 | \$381 | \$457 | \$890 | \$1,121 | \$1,570 |
| 19 | Shaft Pin (if built before 2008) | \$14 | \$14 | \$14 | \$14 | \$14 | \$14 | \$20 | \$20 |
| 19-1 | Spring Bracket Screw | \$11 | \$14 | \$14 | \$14 | \$20 | \$20 | \$20 | \$20 |
| 20 | Shaft Key (if built before 2008) | \$20 | \$20 | \$20 | \$21 | \$21 | \$41 | \$53 | \$53 |
| 21 | Spring Bracket | \$146 | \$156 | \$156 | \$203 | \$266 | \$298 | \$329 | \$329 |
| 22 | Spring Link | \$130 | \$146 | \$151 | \$151 | \$174 | \$179 | \$193 | \$193 |
| 23 | Link Nut (2 Required) | \$11 | \$11 | \$11 | \$11 | \$14 | \$14 | \$14 | \$14 |
| 24 | Spring | \$331 | \$331 | \$382 | \$382 | \$447 | \$508 | \$539 | \$562 |
| 26 | O-Ring (2 Required) | \$11 | \$14 | \$14 | \$14 | \$14 | \$20 | \$20 | \$20 |
| 29 | Stud Bushing | \$51 | \$51 | \$62 | \$72 | \$88 | \$214 | \$226 | \$242 |
| 32-7 | Grease Fitting | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 |
| 41 | Lever for Spring (if built since 2008) | \$266 | \$382 | \$410 | \$410 | \$441 | \$560 | \$625 | \$688 |
| 41-1 | Lever Bolt | \$14 | \$14 | \$14 | \$21 | \$21 | \$27 | \$27 | \$32 |
| 41-2 | Lever Washer | \$6 | \$6 | \$6 | \$6 | \$6 | \$11 | \$11 | \$14 |
| 42 | Pipe Plug | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 | \$21 |
| 49 | Lever Set Screw (if built before 2008) | \$11 | \$11 | \$11 | \$11 | \$14 | \$14 | \$14 | \$14 |

*Part No. 4-2 – Price includes Seat Ring, Part No. 13.

**Part No. 7-1 – Price includes Stud Bushing, Part No. 29.

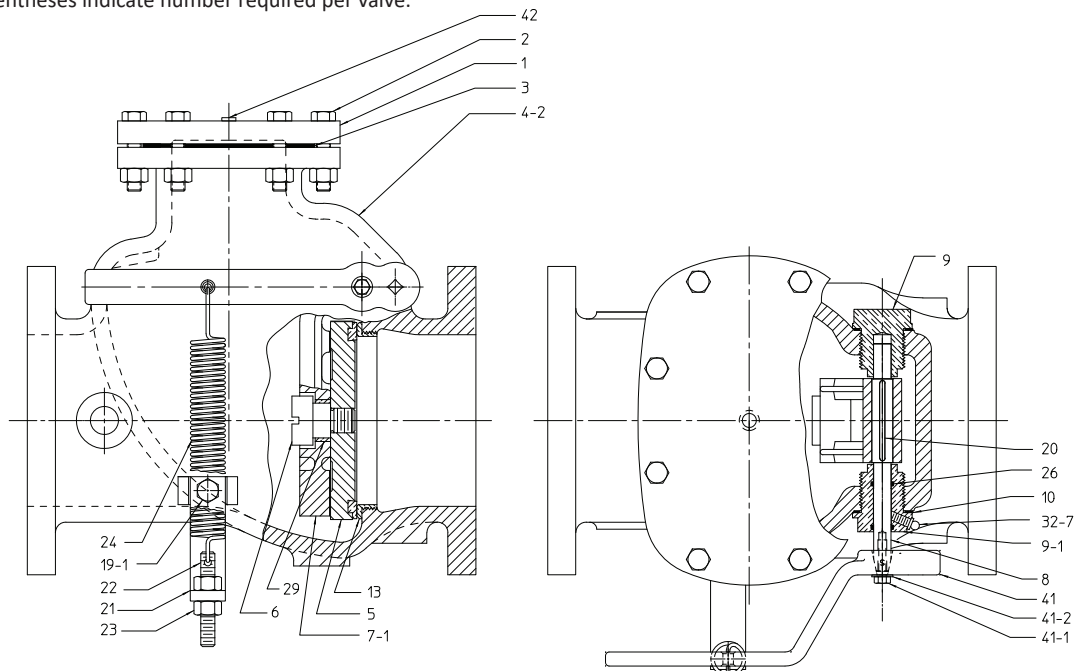
***Part No. 8-1 – Price includes the following parts:

Clapper Arm Shaft, Part No. 8; Lever for Spring, Part No. 41; Shaft Key, Part No. 20;

Lever Bolt, Part No. 41-1; Lever Washer, Part No. 41-2.

****Part No. 9-1 – Price includes 2 O-Rings, Part No. 26, and Grease Fittings, Part No. 32-7.

NOTE: Numbers in parentheses indicate number required per valve.



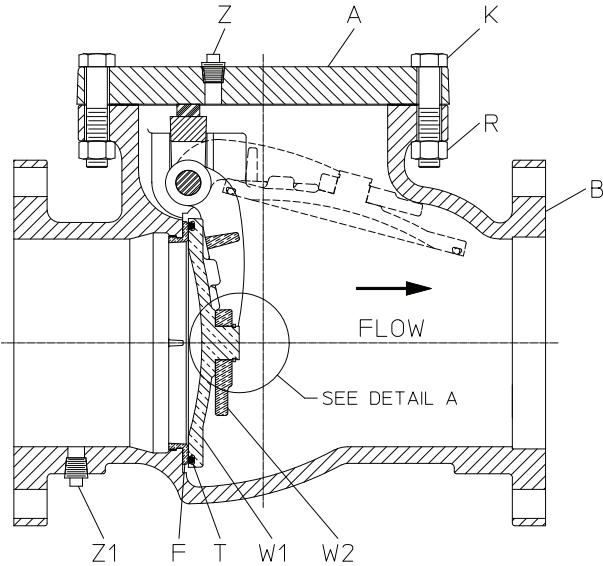
Check Valve Repair Parts

SERIES 600 – STANDARD (Parts are no longer available for valves built prior to 1968.)

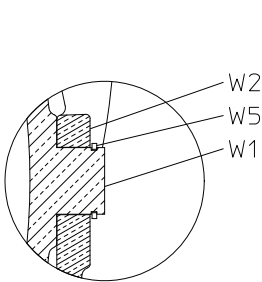
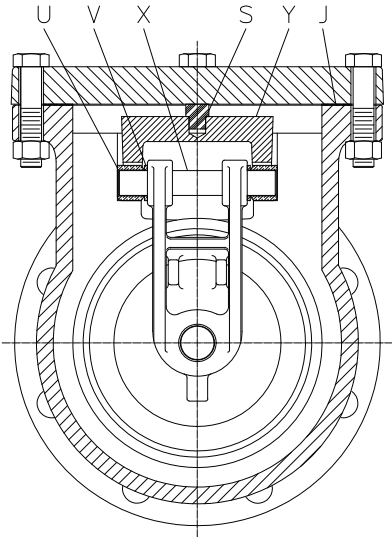
| REF NO. | DESCRIPTION | 2½" | 3" | 4" | 6" | 8" | 10" | 12" |
|---------|---|---------|---------|---------|---------|---------|----------|----------|
| A | Cover | \$184 | \$462 | \$462 | \$508 | \$959 | \$1,497 | \$2,032 |
| B | Valve Body with Seat Ring (F) | \$2,041 | \$3,401 | \$3,401 | \$3,618 | \$6,479 | \$10,756 | \$12,044 |
| J* | Cover Gasket | \$27 | \$27 | \$27 | \$27 | \$58 | \$63 | \$142 |
| K/R | Bolt & Nut – (1 Bolt & 1 Nut) | \$6 | \$6 | \$6 | \$11 | \$16 | \$16 | \$16 |
| S* | Bumper | \$14 | \$14 | \$14 | \$14 | \$14 | \$14 | \$14 |
| T | O-Ring | \$6 | \$6 | \$11 | \$11 | \$21 | \$35 | \$79 |
| U | Bushing (2 required) | \$41 | \$41 | \$41 | \$41 | \$41 | \$41 | \$41 |
| V | Shim Washer (Price Per Shim) - See Note 1 Below | \$20 | \$20 | \$20 | \$20 | \$20 | \$20 | \$20 |
| W1 | Disc with T O-Ring | \$245 | \$245 | \$282 | \$492 | \$755 | \$1,747 | \$3,156 |
| W2 | Arm | \$48 | \$119 | \$130 | \$214 | \$321 | \$471 | \$660 |
| W3 | Lock Nut | – | – | – | – | \$48 | \$62 | \$77 |
| W4 | Cotter Pin | – | – | – | – | \$6 | \$6 | \$6 |
| W5 | Snap Ring | \$6 | \$6 | \$6 | \$6 | – | – | – |
| X | Shaft | \$67 | \$67 | \$72 | \$72 | \$79 | \$88 | \$90 |
| Y | Yoke | \$168 | \$168 | \$168 | \$277 | \$331 | \$331 | \$331 |
| Z | Pipe Plug | \$14 | \$14 | \$14 | \$14 | \$14 | \$14 | \$14 |
| Z1 | Pipe Plug | – | – | \$21 | – | – | – | – |

Parts are interchangeable with the Traverse City 6800 series.
* When ordering REF#'s J or S they must be replaced at the same time per ENG.

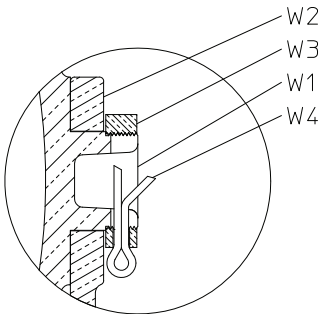
NOTE:
1. The number of shims required may vary during assembly or rebuilds. Sizes of shims available are .030, .050, .070 and .090.



IL1456-4



3" THRU 6" SIZES



8" THRU 12" SIZES

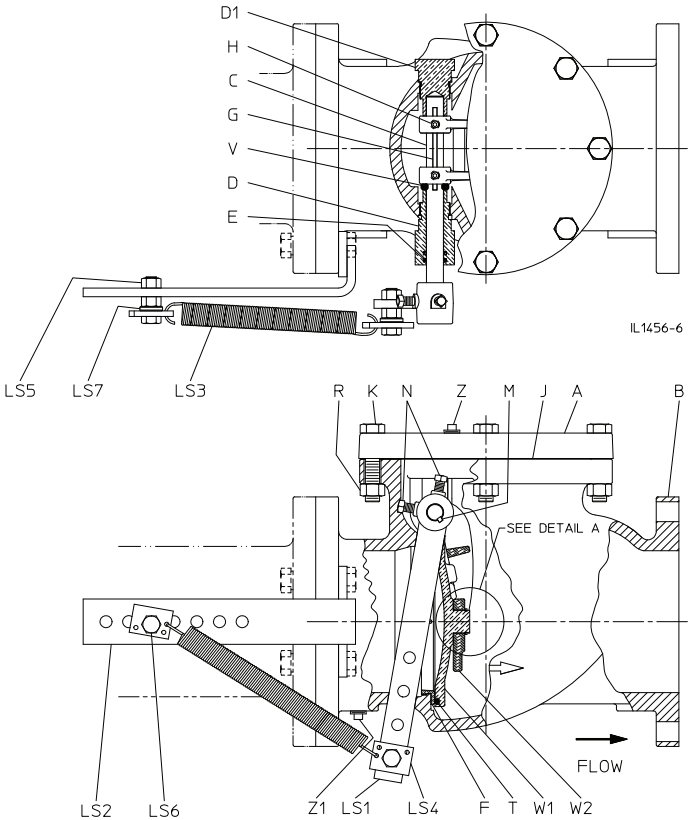
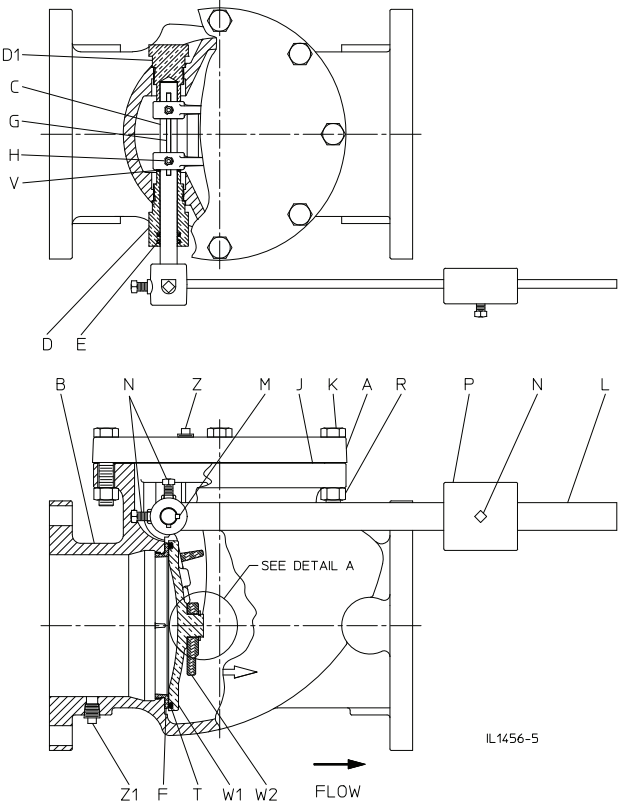
DETAIL A
74
BidSync

Check Valve Repair Parts

SERIES 600 - LEVER & WEIGHT OR LEVER & SPRING (Parts are no longer available for valves built prior to 1968.)

| REF NO. | DESCRIPTION | 2½" | 3" | 4" | 6" | 8" | 10" | 12" |
|---------|---------------------|---------|---------|---------|---------|---------|---------|---------|
| C | Shaft | \$163 | \$163 | \$163 | \$163 | \$163 | \$177 | \$177 |
| D | Shaft Support | \$151 | \$151 | \$151 | \$237 | \$237 | \$310 | \$350 |
| D1 | Shaft Retainer | — | — | — | \$209 | \$209 | \$224 | \$224 |
| E | O-Ring | \$9 | \$9 | \$9 | \$9 | \$9 | \$9 | \$9 |
| G | Arm Key | \$242 | \$242 | \$242 | \$242 | \$242 | \$242 | \$242 |
| H | Soc. Head Set Screw | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |
| L | Weight Lever | \$426 | \$426 | \$426 | \$471 | \$471 | \$471 | \$471 |
| M | Lever Key | \$11 | \$11 | \$11 | \$11 | \$11 | \$11 | \$11 |
| N | Sq. Head Set Screw | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |
| P | Weight | \$224 | \$224 | \$224 | \$224 | \$224 | \$224 | \$224 |
| LS1 | Spring Lever | \$510 | \$510 | \$510 | \$581 | \$581 | \$581 | \$581 |
| LS2 | Bracket | \$382 | \$494 | \$494 | \$494 | \$566 | \$566 | \$566 |
| LS3 | Spring | \$119 | \$119 | \$119 | \$119 | \$119 | \$119 | \$119 |
| LS4 | Spring Plate | \$90 | \$90 | \$90 | \$90 | \$90 | \$90 | \$90 |
| LS5/6 | Hex Nut & Bolt | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 | \$6 |
| LS7 | Spacer | \$20 | \$20 | \$20 | \$20 | \$20 | \$20 | \$20 |
| | Lever & Weight Kit | \$405 | \$709 | \$709 | \$755 | \$755 | \$755 | \$755 |
| | Lever & Spring Kit | \$1,486 | \$1,486 | \$1,486 | \$1,486 | \$1,752 | \$1,752 | \$1,752 |

Parts are interchangeable with the Traverse City 6800 series.



OCWUT 00032

**UL/FM Fire Hydrants - 5-1/4" Main Valve Opening****AMERICAN-DARLING B84B OR B62B WITH 2-HOSE NOZZLES AND 1-PUMPER NOZZLE**

| DEPTH OF TRENCH | 6" FLANGE BASE | 6" MJ BASE L/ ACC | 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON BASE W/ GASKET | 6" PLAIN-END | 6" FLANGE VERTICAL BASE |
|-----------------|----------------|-------------------|-------------------|-------------------------|-------------------------|--------------|-------------------------|
| 3' 0" & Less | \$5,497 | \$5,497 | \$5,594 | \$5,500 | \$5,558 | \$5,594 | \$6,030 |
| 3' 6" | \$5,631 | \$5,631 | \$5,728 | \$5,634 | \$5,692 | \$5,728 | \$6,164 |
| 4' 0" | \$5,765 | \$5,765 | \$5,862 | \$5,768 | \$5,826 | \$5,862 | \$6,298 |
| 4' 6" | \$5,899 | \$5,899 | \$5,996 | \$5,902 | \$5,960 | \$5,996 | \$6,432 |
| 5' 0" | \$6,033 | \$6,033 | \$6,130 | \$6,036 | \$6,094 | \$6,130 | \$6,566 |
| 5' 6" | \$6,167 | \$6,167 | \$6,264 | \$6,170 | \$6,228 | \$6,264 | \$6,700 |
| 6' 0" | \$6,301 | \$6,301 | \$6,398 | \$6,304 | \$6,362 | \$6,398 | \$6,834 |
| 6' 6" | \$6,435 | \$6,435 | \$6,532 | \$6,438 | \$6,496 | \$6,532 | \$6,968 |
| 7' 0" | \$6,569 | \$6,569 | \$6,666 | \$6,572 | \$6,630 | \$6,666 | \$7,102 |
| 7' 6" | \$6,703 | \$6,703 | \$6,800 | \$6,706 | \$6,764 | \$6,800 | \$7,236 |
| 8' 0" | \$6,837 | \$6,837 | \$6,934 | \$6,840 | \$6,898 | \$6,934 | \$7,370 |
| 8' 6" | \$6,971 | \$6,971 | \$7,068 | \$6,974 | \$7,032 | \$7,068 | \$7,504 |
| 9' 0" | \$7,105 | \$7,105 | \$7,202 | \$7,108 | \$7,166 | \$7,202 | \$7,638 |
| 9' 6" | \$7,239 | \$7,239 | \$7,336 | \$7,242 | \$7,300 | \$7,336 | \$7,772 |
| 10' 0" | \$7,373 | \$7,373 | \$7,470 | \$7,376 | \$7,434 | \$7,470 | \$7,906 |
| 10' 6" | \$7,507 | \$7,507 | \$7,604 | \$7,510 | \$7,568 | \$7,604 | \$8,040 |
| 11' 0" | \$7,641 | \$7,641 | \$7,738 | \$7,644 | \$7,702 | \$7,738 | \$8,174 |
| 11' 6" | \$7,775 | \$7,775 | \$7,872 | \$7,778 | \$7,836 | \$7,872 | \$8,308 |

WATEROUS PACER (WB67-250 & W67-250) WITH 2-HOSE NOZZLES AND 1-PUMPER NOZZLE

| DEPTH OF TRENCH | 6" FLANGE BASE | 6" MJ BASE L/ ACC | 6" MJ BASE W/ ACC | 6" TYTON BASE L/ GASKET | 6" TYTON BASE W/ GASKET | 6" PLAIN-END | 6" FLANGE VERTICAL BASE |
|-----------------|----------------|-------------------|-------------------|-------------------------|-------------------------|--------------|-------------------------|
| 3' 0" & Less | \$5,497 | \$5,497 | \$5,594 | \$5,500 | \$5,558 | \$5,594 | \$6,030 |
| 3' 6" | \$5,631 | \$5,631 | \$5,728 | \$5,634 | \$5,692 | \$5,728 | \$6,164 |
| 4' 0" | \$5,765 | \$5,765 | \$5,862 | \$5,768 | \$5,826 | \$5,862 | \$6,298 |
| 4' 6" | \$5,899 | \$5,899 | \$5,996 | \$5,902 | \$5,960 | \$5,996 | \$6,432 |
| 5' 0" | \$6,033 | \$6,033 | \$6,130 | \$6,036 | \$6,094 | \$6,130 | \$6,566 |
| 5' 6" | \$6,167 | \$6,167 | \$6,264 | \$6,170 | \$6,228 | \$6,264 | \$6,700 |
| 6' 0" | \$6,301 | \$6,301 | \$6,398 | \$6,304 | \$6,362 | \$6,398 | \$6,834 |
| 6' 6" | \$6,435 | \$6,435 | \$6,532 | \$6,438 | \$6,496 | \$6,532 | \$6,968 |
| 7' 0" | \$6,569 | \$6,569 | \$6,666 | \$6,572 | \$6,630 | \$6,666 | \$7,102 |
| 7' 6" | \$6,703 | \$6,703 | \$6,800 | \$6,706 | \$6,764 | \$6,800 | \$7,236 |
| 8' 0" | \$6,837 | \$6,837 | \$6,934 | \$6,840 | \$6,898 | \$6,934 | \$7,370 |
| 8' 6" | \$6,971 | \$6,971 | \$7,068 | \$6,974 | \$7,032 | \$7,068 | \$7,504 |
| 9' 0" | \$7,105 | \$7,105 | \$7,202 | \$7,108 | \$7,166 | \$7,202 | \$7,638 |
| 9' 6" | \$7,239 | \$7,239 | \$7,336 | \$7,242 | \$7,300 | \$7,336 | \$7,772 |
| 10' 0" | \$7,373 | \$7,373 | \$7,470 | \$7,376 | \$7,434 | \$7,470 | \$7,906 |
| 10' 6" | \$7,507 | \$7,507 | \$7,604 | \$7,510 | \$7,568 | \$7,604 | \$8,040 |
| 11' 0" | \$7,641 | \$7,641 | \$7,738 | \$7,644 | \$7,702 | \$7,738 | \$8,174 |
| 11' 6" | \$7,775 | \$7,775 | \$7,872 | \$7,778 | \$7,836 | \$7,872 | \$8,308 |

Add \$134 for each 6" increase in Depth of Trench (up to 11'6") 5-1/4" Hydrant

* Vertical entry bottom 6" flange (UL listed but not FM approved)

LIST ADDERS FOR ALL HYDRANTS

| | |
|---------------------------------|-------|
| 304 S.S. Bolts Above Groundline | \$68 |
| 316 S.S. Base Bolts | \$147 |
| 316 S.S. Bolts Above Groundline | \$147 |

LIST ADDERS FOR PACER 250 HYDRANT

| | |
|---|-------|
| Bronze Piloted Upper Washer | \$74 |
| Traffic Sections Longer than 10" (per 6") | \$134 |
| Tamper Resistant Cover | \$98 |
| Vented Hose Caps (Each) | \$72 |

NO CHARGE OPTIONAL FEATURES FOR PACER 250 HYDRANT

Weathershield
One Piece Bronze Operating Nut
Plugged Drains (UL listed but not FM approved)

LIST ADDERS FOR B84B & B62B HYDRANTS

| | |
|-------------------|------|
| OP Nut Weathercap | \$74 |
|-------------------|------|

LIST DEDUCT FOR B84B & PACER 250 HYDRANTS

| | |
|--------------------------|-------|
| Two Way - DD (No Pumper) | \$517 |
|--------------------------|-------|



UL/FM Resilient Wedge Valve

AFC SERIES 2500 DUCTILE IRON VALVE

NON-RISING STEM (NRS) WITH INDICATOR POST FLANGE

| SIZE | MODEL | THREADED (SS) | CLASS 125 FLANGED (FF) | FLANGE X MJ LESS ACC. (FM) | FLANGE X MJ W/MJ ACC. (FM) | MECH. JNT. LESS ACC. (MM) | MECH. JNT. W/MJ ACC. (MM) | CLASS 250 RF FLANGED |
|------|-------|------------------|------------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------|
| 2" | 2502 | \$1,279 | \$1,302 | - | - | \$1,313 | \$1,439 | - |
| 2½" | 2525 | \$1,501 | \$1,489 | - | - | - | - | - |
| 3" | 2503 | \$1,726 | \$1,705 | \$1,596 | \$1,743 | \$1,717 | \$1,778 | \$3,967 |
| 4" | 2504 | - | \$1,864 | \$1,810 | \$1,906 | \$1,878 | \$1,985 | \$4,436 |
| 6" | 2506 | - | \$2,377 | \$2,303 | \$2,394 | \$2,303 | \$2,468 | \$4,893 |
| 8" | 2508 | - | \$3,523 | \$3,406 | \$3,539 | \$3,463 | \$3,649 | \$6,414 |
| 10" | 2510 | - | \$5,395 | \$5,208 | \$5,371 | \$5,208 | \$5,485 | \$10,201 |
| 12" | 2512 | - | \$6,445 | \$6,220 | \$6,561 | \$6,500 | \$6,841 | \$11,417 |
| 14" | 2514 | - | \$19,373 | \$19,373 | \$19,911 | \$19,373 | \$20,452 | \$28,691 |
| 16" | 2516 | - | \$20,984 | \$20,984 | \$21,572 | \$20,984 | \$22,160 | \$30,660 |
| 18" | 2518 | - | \$34,130 | \$34,130 | \$35,180 | \$34,130 | \$36,228 | \$55,204 |
| 20" | 2520 | - | \$40,921 | \$40,921 | \$42,058 | \$40,921 | \$43,192 | \$60,979 |
| 24" | 2524 | - | \$58,042 | \$58,042 | \$59,771 | \$58,042 | \$61,507 | \$79,091 |

NON-RISING STEM (NRS) WITH INDICATOR POST FLANGE

| SIZE | MODEL | FLG. X PUSH-ON W/TY GASKET (TF) | PUSH-ON W/GASKETS (TT) | PUSH-ON W/GASKETS (PO) | TAPPING VALVE FLG. X MJ LESS MJ ACC. (TM) | TAPPING VALVE FLG. X MJ W/MJ ACC. (TM) |
|------|-------|---------------------------------------|------------------------------|------------------------------|--|---|
| 4" | 2504 | \$1,930 | \$2,016 | - | \$2,279 | \$2,392 |
| 6" | 2506 | \$2,441 | \$2,504 | - | \$3,077 | \$3,185 |
| 8" | 2508 | \$3,644 | \$3,791 | - | \$4,379 | \$4,561 |
| 10" | 2510 | \$5,506 | \$5,616 | - | \$6,468 | \$6,655 |
| 12" | 2512 | \$6,694 | \$6,941 | - | \$9,595 | \$9,991 |
| 14" | 2514 | - | - | \$21,533 | \$21,588 | \$22,127 |
| 16" | 2516 | - | - | \$21,935 | \$24,434 | \$25,079 |
| 18" | 2518 | - | - | - | \$40,345 | \$41,391 |
| 20" | 2520 | - | - | - | \$48,641 | \$49,779 |
| 24" | 2524 | - | - | - | \$65,888 | \$67,618 |

OS&Y VALVES

| SIZE | MODEL | THREADED (SS) | CLASS 125 FLANGED (FF) | CLASS 250 RF FLANGED |
|------|-------|------------------|------------------------------|----------------------------|
| 2" | 2502 | \$1,470 | \$1,470 | - |
| 3" | 2503 | \$1,943 | \$1,943 | \$4,157 |
| 4" | 2504 | - | \$2,004 | \$4,694 |
| 6" | 2506 | - | \$2,603 | \$5,250 |
| 8" | 2508 | - | \$3,975 | \$7,049 |
| 10" | 2510 | - | \$5,842 | \$10,684 |
| 12" | 2512 | - | \$7,606 | \$12,879 |
| 14" | 2514 | - | POA | POA |
| 16" | 2516 | - | POA | POA |
| 18" | 2518 | - | POA | POA |
| 20" | 2520 | - | POA | POA |
| 24" | 2524 | - | POA | POA |

OPTIONAL ACCESSORIES

| SIZE | 316 S.S. BOLTING |
|---------|---------------------|
| 2" - 4" | \$120 |
| 6" | \$165 |
| 8" | \$195 |
| 10" | \$225 |
| 12" | \$275 |
| 14" | \$450 |
| 16" | \$600 |
| 18" | \$1,000 |
| 20" | \$1,200 |
| 24" | \$1,500 |

Add for each valve body tap - \$175
See page 90 for tap locations and size.

NOTES:

1. Deduct \$341 if Indicator Post Flange is not required on NRS valves.
2. Handwheel operated NRS valves are not UL Listed or FM Approved.
3. Valves opening right are not UL Listed or FM Approved.
4. Stainless Steel (Customer) Tagging - \$68

Push-on ends are in accordance with ANSI/AWWA C111/A21.11 for use with ductile iron pipe sizes. Valve are furnished with TYTON® (TY) ends. TYTON® is a registered trademark of United States Pipe and Foundry Co., LLC.

[Back to Index](#)



UL Swing Check Valves

3" thru 12" - 175 PSI Water Working Pressure

**SERIES 600 SWING CHECK VALVES – WATEROUS
STANDARD RESILIENT SEATED DISC**

| SIZE | FLANGED ENDS |
|------|--------------|
| 3" | \$2,224 |
| 4" | \$2,762 |
| 6" | \$4,022 |
| 8" | \$5,697 |
| 10" | \$9,975 |
| 12" | \$17,207 |

Valves are equipped with O-Ring Seat in the Disc.
List adder for each tap location - \$175

OCWUT 00032



Indicator Posts

IP16 INDICATOR POSTS

| MODEL | VALVE SIZE | | | | | | LIST PRICE |
|--------------|---------------|---------------|---------------|---------------|---------------|-----------------|------------|
| | 3" | 4" | 6" | 8" | 10" | 12" | |
| TRENCH DEPTH | TRENCH DEPTH | TRENCH DEPTH | TRENCH DEPTH | TRENCH DEPTH | TRENCH DEPTH | TRENCH DEPTH | |
| 1A | 2'1" - 4'1" | 2'4" - 4'4" | 2'8" - 4'8" | 3'0" - 5'0" | 3'5" - 5'5" | 3'10" - 5'10" | \$2,361 |
| 2A | 4'1" - 6'1" | 4'4" - 6'4" | 4'8" - 6'8" | 5'0" - 7'0" | 5'5" - 7'5" | 5'10" - 7'10" | \$2,361 |
| 3A | 6'1" - 8'1" | 6'4" - 8'4" | 6'8" - 8'8" | 7'0" - 9'0" | 7'5" - 9'5" | 7'10" - 9'10" | \$2,725 |
| 4A | 8'1" - 10'1" | 8'4" - 10'4" | 8'8" - 10'8" | 9'0" - 11'0" | 9'5" - 11'5" | 9'10" - 11'10" | \$2,944 |
| 5A | 10'1" - 12'1" | 10'4" - 12'4" | 10'8" - 12'8" | 11'0" - 13'0" | 11'5" - 13'5" | 11'10" - 13'10" | \$3,156 |
| 6A | 12'1" - 14'1" | 12'4" - 14'4" | 12'8" - 14'8" | 13'0" - 15'0" | 13'5" - 15'5" | 13'10" - 15'10" | \$3,371 |
| 7A | 14'1" - 16'1" | 14'4" - 16'4" | 14'8" - 16'8" | 15'0" - 17'0" | 15'5" - 17'5" | 15'10" - 17'10" | \$3,590 |
| 8A | 16'1" - 18'1" | 16'4" - 18'4" | 16'8" - 18'8" | 17'0" - 19'0" | 17'5" - 19'5" | 17'10" - 19'10" | \$3,801 |

If Handwheel is required for Model A, add \$205

| MODEL | VALVE SIZE | | | LIST PRICE |
|--------------|---------------|---------------|---------------|------------|
| | 14" | 16" | 18" | |
| TRENCH DEPTH | TRENCH DEPTH | TRENCH DEPTH | TRENCH DEPTH | |
| 1B | 4'4" - 6'4" | 4'9" - 6'9" | 5'1" - 7'1" | \$2,361 |
| 2B | 6'4" - 8'4" | 6'9" - 8'9" | 7'1" - 9'1" | \$2,361 |
| 3B | 8'4" - 10'4" | 8'9" - 10'9" | 9'1" - 11'1" | \$2,725 |
| 4B | 10'4" - 12'4" | 10'9" - 12'9" | 11'1" - 13'1" | \$2,944 |
| 5B | 12'4" - 14'4" | 12'9" - 14'9" | 13'1" - 15'1" | \$3,156 |
| 6B | 14'4" - 16'4" | 14'9" - 16'9" | 15'1" - 17'1" | \$3,371 |
| 7B | 16'4" - 18'4" | 16'9" - 18'9" | 17'1" - 19'1" | \$3,590 |
| 8B | 18'4" - 20'4" | 18'9" - 20'9" | 19'1" - 21'1" | \$3,801 |

If Handwheel is required for Model B, add \$205

| MODEL | VALVE SIZE | | LIST PRICE |
|--------------|---------------|---------------|------------|
| | 20" | 24" | |
| TRENCH DEPTH | TRENCH DEPTH | TRENCH DEPTH | |
| 1C | 5'6" - 7'6" | 6'4" - 8'4" | \$5,130 |
| 2C | 7'6" - 9'6" | 8'4" - 10'4" | \$5,191 |
| 3C | 9'6" - 11'6" | 10'4" - 12'4" | \$5,670 |
| 4C | 11'6" - 13'6" | 12'4" - 14'4" | \$6,083 |
| 5C | 13'6" - 15'6" | 14'4" - 16'4" | \$6,642 |
| 6C | 15'6" - 17'6" | 16'4" - 18'4" | \$7,119 |
| 7C | 17'6" - 19'6" | 18'4" - 20'4" | \$7,534 |
| 8C | 19'6" - 21'6" | 20'4" - 22'4" | \$7,954 |

Handwheels are not available for Model C (for use with 20" & 24" valves).

L1033 Mounting Plate Bolt Kit Includes 4 Each of #30/31 (304 SS) - \$100

L1033-1 Mounting Plate Bolt Kit includes 4 each of #30/31 (316 SS) - \$158

Stainless Steel Tagging - \$68

| MODEL | DESCRIPTION | LIST PRICE |
|-------|--|------------|
| IP16S | Direct Mount Indicator Post for 4"-12" Gate Valves | POA |
| A240 | Underground Post Indicator Assembly: 3'0" to 6'0" | \$3,489 |
| | 6'6" to 8'6" | \$3,855 |
| | 9'0" to 15'0" | \$4,524 |
| | 15'6" to 18'6" | \$5,196 |
| A278 | Flanged Base Post Indicator Assembly: | |
| | 6'0" with A190 Coupling for NRS Valve | \$2,949 |
| | Add for each additional 6" over 6'0" | \$57 |
| | Below for OS&Y Valve: | |
| | Add for A193-1 Coupling in lieu of A190 Coupling (2½"-4") | \$554 |
| | Add for A193-2 Coupling in lieu of A190 Coupling (6" & 8") | \$738 |
| | Add for A193-3 Coupling in lieu of A190 Coupling (10" & 12") | \$1,676 |

Handwheel for A240 & A278 - \$205

A240 is valve mounted for buried applications.

A278 is floor mounted for vault applications.

L1033 Mounting Plate Bolt Kit is included in A240. Add \$58 for 316 SS hardware (L1033-1).

Stainless Steel Tagging - \$68



IP16 Indicator Post Parts

| PART # | NO. REQ'D | DESCRIPTION | PRICE | PART # | NO. REQ'D | DESCRIPTION | PRICE |
|------------|--------------|--------------------------------------|---------|----------|--------------|--------------------|-------|
| IP-16-1† | 1 | Operating Stem Nut | \$490 | IP-16-22 | 1 | Guide Stop | \$67 |
| IP-16-2 | 1 | Operating Wrench for 3" - 18" Valve | \$161 | IP-16-23 | 2 | Stuffing Box | \$21 |
| IP-16-2L | 1 | Operating Wrench for 20" - 24" Valve | \$263 | IP-16-24 | 2 | Target Carrier | \$28 |
| IP-16-2-1† | 1 | Handwheel (for Models A & B only) | \$350 | IP-16-25 | 1 | Tube Collar | \$18 |
| IP-16-3 | 1 | Eye Bolt | \$53 | IP-16-26 | 1 | Tube Stop Ring | \$21 |
| IP-16-5† | 1 | Complete Head Assembly | \$1,119 | IP-16-27 | 1 | Tube Stop Key | \$14 |
| IP-16-6-1 | 1 | Base | \$665 | IP-16-28 | 1 | Upper Rod | \$284 |
| IP-16-7 | 1 | Lower Barrel for Models 1 or 2 | \$406 | IP-16-29 | 1 | Upper Barrel | \$525 |
| | | Lower Barrel for Models 3 or 4 | \$657 | IP-16-31 | 2 | Drive Lok Stud | \$4 |
| | | Lower Barrel for Models 5 or 6 | \$963 | IP-16-32 | 1 | Washer | \$109 |
| | | Lower Barrel for Models 7 or 8 | \$1,225 | IP-16-33 | 1 | O-ring | \$6 |
| IP-16-8 | 4 | Set Screw | \$51 | IP-16-34 | 1 | Clevis Pin | \$14 |
| IP-16-9 | 1 | Hex Head Bolt | \$14 | IP-16-35 | 1 | Hairpin Cotter Pin | \$5 |
| IP-16-10 | 1 | Lower Rod for Models 1 or 2 | \$254 | IP-16-40 | 1 | Washer | \$4 |
| | | Lower Rod for Models 3 or 4 | \$438 | IP-16-41 | 1 | Hex Head Bolt | \$5 |
| | | Lower Rod for Models 5 or 6 | \$595 | IP-16-42 | 2 | Window Gasket | \$3 |
| | | Lower Rod for Models 7 or 8 | \$823 | | | | |
| IP-16-11 | 1 | Rod Coupling | \$98 | | | | |
| IP-16-12 | 3 | Cotter Pin | \$11 | | | | |
| IP-16-13† | 1 | Target Carrier Nut | \$280 | | | | |
| IP-16-14 | 2 | Target - Open | \$53 | | | | |
| IP-16-15 | 2 | Target - Shut | \$53 | | | | |
| IP-16-17 | 14, 4 | Screw and Nut | \$14 | | | | |
| IP-16-17-L | 2 | Screw | \$14 | | | | |
| IP-16-18 | 2 | Travel Sign Cover | \$42 | | | | |
| IP-16-19 | 2 | Ferrule | \$35 | | | | |
| IP-16-21 | 1 | Pipe Plug | \$14 | | | | |

†Note: When ordering part numbers IP-16-1, IP-16-2-1, IP-16-5 & IP-16-13 you must provide valve size & direction to open.

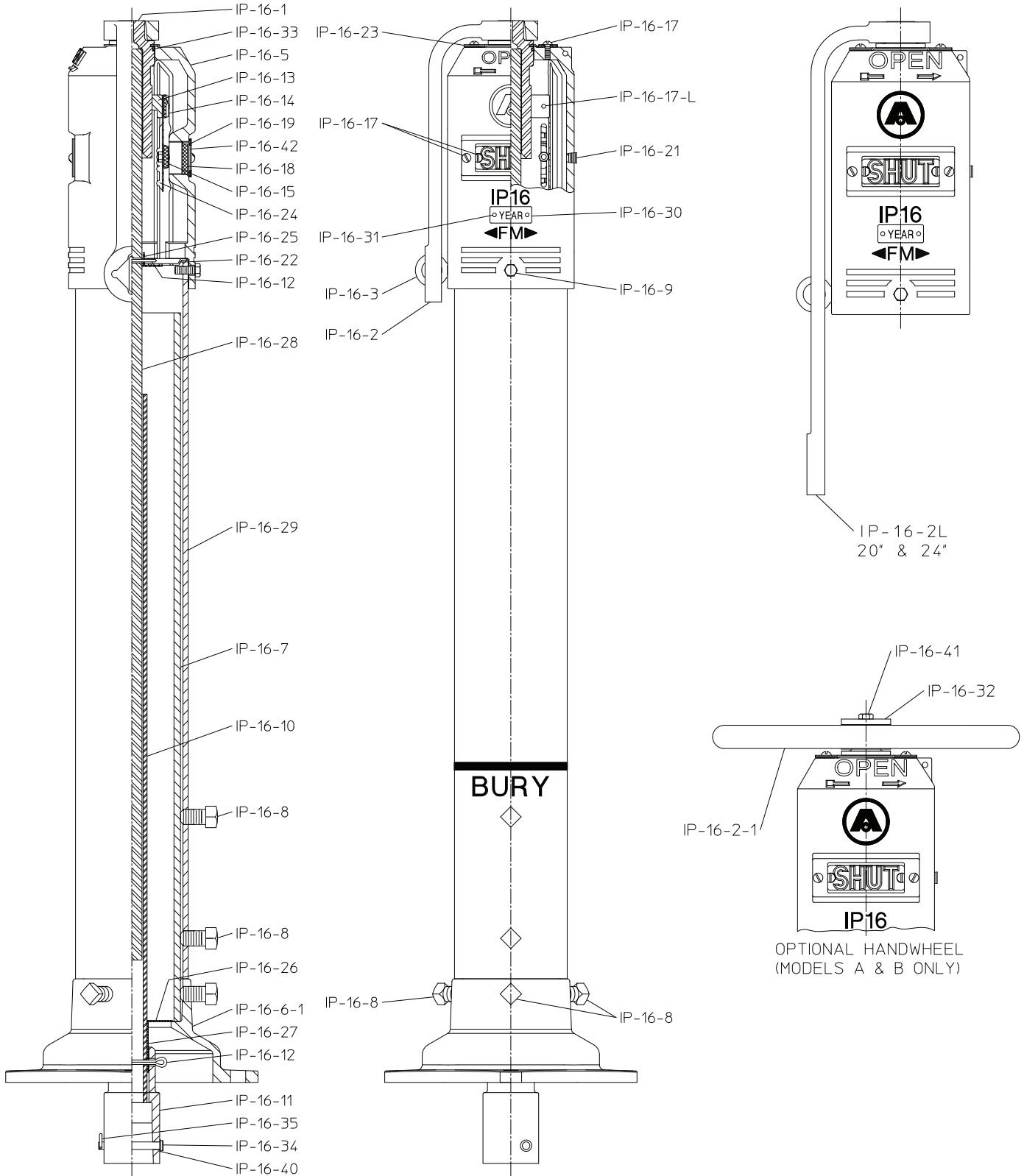
**SEE IP16 INDICATOR POST
PARTS DIAGRAM
ON PAGE 81.**

IP16 INDICATOR POST EXTENSIONS

| SIZE | POST ASSY | ROD WITH COUPLING | COUPLING W/SCREWS (27b) | COMPLETE |
|----------------------|-----------|-------------------|-------------------------|----------|
| 12" | \$891 | \$539 | \$109 | \$1,812 |
| Add for each addl 6" | \$95 | \$25 | - | \$151 |



IP16 Indicator Post Parts



IL4446

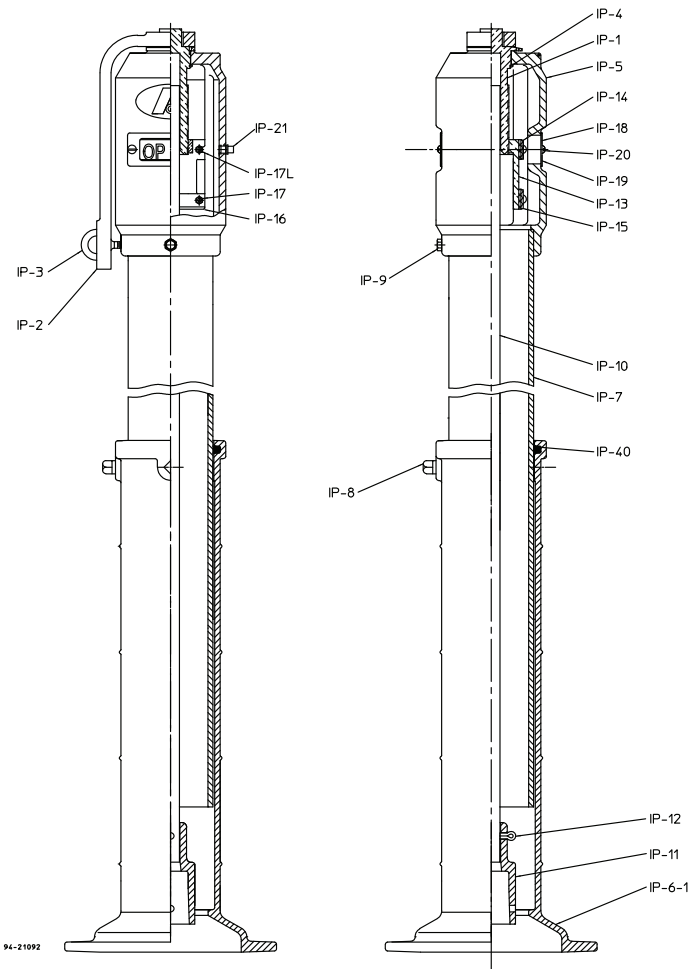
OCWUT 00032

IP-71 Indicator Post Parts

| NO. | | DESCRIPTION | PRICE |
|---------|-------|--|---------|
| PART # | REQ'D | | |
| IP-1† | 1 | Operating Stem Nut | \$798 |
| IP-2 | | Operating Wrench (for use with 3"-18" valves) | \$161 |
| | | Operating Wrench (for use with 20"-24" valves) | \$263 |
| IP-2-1† | 1 | Handwheel (14" diameter) | \$350 |
| IP-3 | 1 | Eye Bolt | \$53 |
| IP-4 | 1 | Retaining Ring | \$62 |
| IP-5A† | 1 | Complete Head Assembly | \$1,119 |
| IP-6-1 | 1 | Base | \$839 |
| IP-7 | | Barrel for Model 1, 2, 3 | \$461 |
| | | for Model 4, 5, 6 | \$573 |
| | 2 | for Model 7, 8 | \$683 |
| IP-8 | 1 | Set Screw | \$51 |
| IP-9 | 1 | Hex Head Bolt | \$14 |
| IP-10 | | Rod for Model 1, 2, 3 | \$363 |
| | | for Model 4, 5, 6 | \$415 |
| | | for Model 7, 8 | \$473 |

| NO. | | DESCRIPTION | PRICE |
|---------|-------|-----------------------------|-------|
| PART # | REQ'D | | |
| IP-11 | 1 | Indicator Rod Coupling | \$168 |
| IP-12 | 2 | Cotter Pin | \$11 |
| IP-13† | 1 | Target Carrier | \$476 |
| IP-14 | 2 | Target Plate – Open | \$53 |
| IP-15 | 2 | Target Plate – Shut | \$53 |
| IP-16 | 2 | Target Plate Clamp | \$114 |
| IP-17 | 7 | Target Screw and Nut | \$14 |
| IP-17-L | 1 | Target Screw and Nut (Long) | \$21 |
| IP-18 | 2 | Window | \$53 |
| IP-19 | 2 | Ferrule | \$210 |
| IP-20 | 4 | Ferrule Screw | \$14 |
| | 4 | Base Bolt & Nut | \$20 |
| IP-21 | 1 | Pipe Plug | \$14 |
| IP-40 | 1 | O-Ring | \$63 |

†When ordering Part Nos. IP-1, IP-2-1, IP-5 & IP-13, you must state valve size and direction of opening.



IP-71 INDICATOR POST EXTENSIONS

| SIZE | POST ASSY | ROD WITH COUPLING | COUPLING W/SCREWS (27b) | COMPLETE |
|----------------------|-----------|-------------------|-------------------------|----------|
| 12" | \$891 | \$539 | \$109 | \$1,812 |
| Add for each addl 6" | \$95 | \$25 | - | \$151 |

OCWUT 00032

[Back to Index](#)
AMERICAN
 FLOW CONTROL
 THE RIGHT WAY

Indicator Post Parts - Waterous

(All parts are interchangeable with most TC posts built after 1967.)

| REF NO. | SEE NOTE | DESCRIPTION | PRICE EACH |
|---------|----------|--|------------|
| 1 | 1 | Post Assembly – Includes 1A thru 13 | \$2,452 |
| 1A | | Post | \$2,190 |
| 1B | | Window | \$51 |
| 1C | | Window Gasket | \$21 |
| 1D | | Round Head Screw, 1/4 - 20 x 1/2" (2 required) | \$6 |
| 1E | | Square Head Set Screw, 3/4 - 10 | \$20 |
| 1J | | Pipe Plug, 1/2 | \$6 |
| 4 | 2 | Cover Assembly – Includes 4A thru 4K & 4M | \$1,103 |
| 4A | 2 | Cover | \$95 |
| 4B | | Open Plate | \$21 |
| 4C | | Shut Plate | \$21 |
| 4D | | Round Head Screw, 1/4 - 20 x 1/2" - O/L | \$6 |
| 4E | | Indicator Slide | \$231 |
| 4F | | Indicator Screw | \$504 |
| 4G | | Lock Nut | \$95 |
| 4H | | Set Screw, 1/4 - 20 | \$4 |
| 4J | | Flat Head Screw, 10 - 24 x 1/2" | \$4 |
| 4K | | Round Head Screw, 1/4 - 20 x 1" - O/R | \$4 |
| 4L | 2 | Indicator Sub-Assembly – Includes 4B, 4C, 4D, 4E, 4K | \$321 |
| 4M | | Bushing | \$21 |
| 5 | 2 | Handwheel | \$357 |
| 6/7 | | Eye Bolt & Washer | \$156 |
| 8 | | Hex Head Bolt, 1/2 - 13 x 2 1/2" | \$21 |
| 9 | | Hex Head Bolt, 1/2 - 13 x 2 1/2" | \$21 |
| 10 | | Hex Nut, 1/2 - 13 | \$6 |
| 13 | | Wrench | \$179 |
| 15 | 4 | Bottom Assembly – Includes 15A, 15B, 15C – 6'0" | \$1,747 |
| | | Add for each additional 6" | \$84 |
| 15A | | Spring Pin (4 required) | \$11 |
| 15C | | Butt Assembly (Includes Reference #15A) | \$1,029 |
| 16 | 3 | Rod Assembly – Includes 16A thru 16D | \$665 |
| 16A | 3 | Rod, 1" Square | \$415 |
| 16B | | Cotter Pin, 1/4 x 3" | \$21 |
| 16C | | Cotter Pin, 1/4 x 3 3/4" | \$21 |
| 16D | | Coupling (A286) | \$203 |
| 30 | | Hex Head Bolt - 1 each | \$6 |
| 31 | | Hex Nut - 1 each | \$6 |
| L1033 | | Includes Four Each of #30/31 (304 SS) | \$100 |
| L1033-1 | | Includes Four Each of #30/31 (316 SS) | \$158 |

NOTES: Please include the following information when ordering.

1.Valve size; direction of opening; wrench or handwheel.

2.Direction of opening.

3.Length.

4.Specify length. (Note:15A & 15B cannot be purchased separately.)

5. Kit L1033 & L1033-1; Hardware for bolting base of post to valve indicator post flange

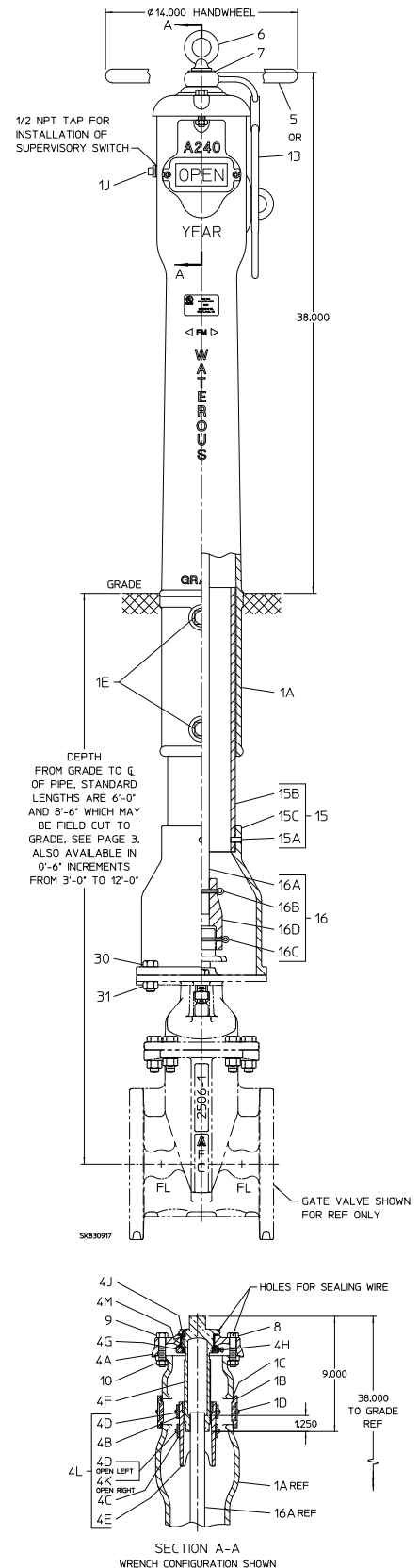
ACCESSORIES

| REF NO. | SEE NOTE | DESCRIPTION | PRICE EACH |
|---------|----------|---|------------|
| A190 | | Coupling (Teardrop), NRS | \$263 |
| A193-1 | | Coupling for OS&Y Valves – 2 1/2" thru 4" | \$854 |
| A193-2 | | Coupling for OS&Y Valves – 6" & 8" | \$1,049 |
| A193-3 | | Coupling for OS&Y Valves – 10" & 12" | \$2,043 |
| A286 | | Coupling | \$203 |

Accessories are considered parts and are priced accordingly. Discount is different if sold as complete post and valve assembly.

A241 UNDERGROUND POST INDICATOR EXTENSIONS

| SIZE | POST ASSY | ROD WITH COUPLING | W/SCREWS (27B) | COMPLETE |
|----------------------|-----------|-------------------|----------------|----------|
| 12" | \$891 | \$539 | \$109 | \$1,812 |
| Add for each addl 6" | \$95 | \$25 | - | \$151 |



OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

Trench Adapter

| DESCRIPTION | MODEL #1 | MODEL #2 | MODEL #3 | MODEL #4 | MODEL #5 | MODEL #6 | MODEL #7 | MODEL #8 | MODEL #9 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| With Iron Lid & Iron Top | \$788 | \$788 | \$788 | \$814 | \$893 | \$1,050 | \$1,313 | \$1,838 | \$2,363 |
| With Iron Lid & Iron Top Less Extension Stem | \$504 | \$504 | \$504 | \$543 | \$564 | \$564 | \$919 | \$1,181 | \$1,785 |

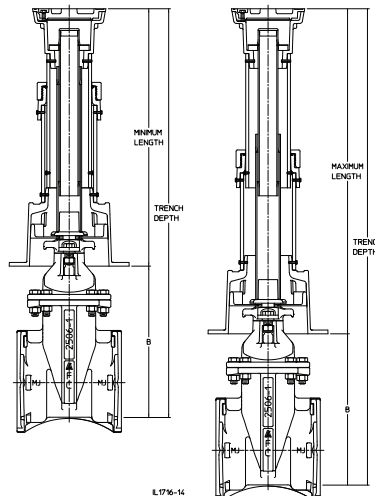
Optional Accessories: 2" Top Extension \$114

| VALVE SIZE | TRENCH DEPTH AND MODEL NUMBER | | | | | | | | | | | | | | | | | | |
|---------------|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | 2'0" | 2'6" | 3'0" | 3'6" | 4'0" | 4'6" | 5'0" | 5'6" | 6'0" | 6'6" | 7'0" | 7'6" | 8'0" | 8'6" | 9'0" | 9'6" | 10'0" | 10'6" | 11'0" |
| 2" | 1 | 2 | 3,4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 2½" | — | 2 | 3 | 4 | 5 | 5 | 5,6 | 6 | 6 | 6 | 6,7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 3" | — | 2 | 2,3 | 4 | 5 | 5 | 5,6 | 6 | 6 | 6 | 6,7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 4" | — | 1 | 3 | 4 | 4,5 | 5 | 5,6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 6" | — | — | 2 | 3 | 4 | 5,4 | 5 | 5,6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8" | — | — | — | 2 | 3,4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 10" | — | — | — | 1 | 2 | 3,4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 12" | — | — | — | — | 1 | 2,3 | 3,4 | 4,5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| 14" | — | — | — | — | — | — | — | 3 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 16" | — | — | — | — | — | — | — | — | 3,4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 18" | — | — | — | — | — | — | — | — | 2,3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 |
| 20" | — | — | — | — | — | — | — | — | — | 2,3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 |
| 24" | — | — | — | — | — | — | — | — | — | — | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |

| VALVE SIZE | TRENCH DEPTH AND MODEL NUMBER | | | | | | | | | | | | | | | | | |
|---------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 11'6" | 12'0" | 12'6" | 13'0" | 13'6" | 14'0" | 14'6" | 15'0" | 15'6" | 16'0" | 16'6" | 17'0" | 17'6" | 18'0" | 18'6" | 19'0" | 19'6" | 20'0" |
| 2" | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | — |
| 2½" | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8,9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | — |
| 3" | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | — |
| 4" | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 6" | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 8" | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 10" | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 12" | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| 14" | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| 16" | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| 18" | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| 20" | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| 24" | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

Where two model numbers are shown for a given valve/trench combination, use the dimensions in the tables below to select the best fit.

| MODEL NUMBER | LENGTH | | ASSEMBLY WEIGHT |
|-----------------|--------|--------|--------------------|
| | MIN. | MAX. | |
| 1 | 18.25 | 20.25 | 29 LBS |
| 2 | 22.25 | 28.25 | 32 LBS |
| 3 | 24.75 | 32.50 | 35 LBS |
| 4 | 29.75 | 40.50 | 39 LBS |
| 5 | 37.75 | 56.50 | 48 LBS |
| 6 | 49.75 | 80.50 | 54 LBS |
| 7 | 73.75 | 128.50 | 72 LBS |
| 8 | 127.75 | 179.75 | 99 LBS |
| 9 | 178.75 | 230.75 | 127 LBS |



| MODEL | VALVE SIZE | DIMENSION "B" |
|---------------|------------|---------------|
| SERIES 2500-1 | 2" | 5.32 |
| | 2½" | 6.35 |
| | 3" | 8.12 |
| | 4" | 10.65 |
| | 6" | 15.22 |
| | 8" | 19.48 |
| | 10" | 24.16 |
| SERIES 2500 | 12" | 28.65 |
| | 14" | 36.50 |
| | 16" | 41.00 |
| | 18" | 45.00 |
| | 20" | 50.50 |
| | 24" | 61.00 |

[Back to Index](#)
AMERICAN
 FLOW CONTROL
 THE RIGHT WAY

Retrofit Valve Box Insert

| DESCRIPTION | MODEL #0 | MODEL #2 | MODEL #3 | MODEL #4 | MODEL #5 | MODEL #6 | MODEL #7 | MODEL #8 | MODEL #9 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| With Iron Lid & Iron Top | — | \$698 | \$698 | \$728 | \$761 | \$856 | \$1,103 | \$1,234 | \$1,706 |
| With Iron Lid & Iron Top Less Extension Stem | \$488 | — | — | — | — | — | — | — | — |

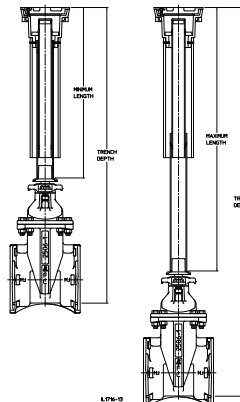
Optional Accessories: 2" Top Extension \$114

| VALVE SIZE | TRENCH DEPTH AND MODEL NUMBER | | | | | | | | | | | | | | | | | |
|---------------|-------------------------------|----|-------|----|-------|-------|-------|-------|-------|-------|-------|----|-------|----|----|----|----|----|
| 2" | — | 2A | 3A,4A | 4A | 5A | 5A | 6A | 6A | 6A | 6A | 7A | 7A | 7A | 7A | 7A | 7A | 7A | 7A |
| 2½" | — | 2A | 3A | 4A | 5A | 5A | 5A,6A | 6A | 6A | 6A | 6A,7A | 7A | 7A | 7A | 7A | 7A | 7A | 7A |
| 3" | — | 2A | 2A,3A | 4A | 5A | 5A | 5A,6A | 6A | 6A | 6A | 6A,7A | 7A | 7A | 7A | 7A | 7A | 7A | 7A |
| 4" | — | — | 3A | 4A | 4A,5A | 5A | 5A,6A | 6A | 6A | 6A | 6A | 7A | 7A | 7A | 7A | 7A | 7A | 7A |
| 6" | — | — | 2A | 3A | 4A | 4A,5A | 5A | 5A,6A | 6A | 6A | 6A | 6A | 7A | 7A | 7A | 7A | 7A | 7A |
| 8" | — | — | — | 2A | 3A,4A | 4A | 5A | 5A | 6A | 6A | 6A | 6A | 7A | 7A | 7A | 7A | 7A | 7A |
| 10" | — | — | — | — | 2A | 3A,4A | 4A | 5A | 5A | 6A | 6A | 6A | 7A | 7A | 7A | 7A | 7A | 7A |
| 12" | — | — | — | — | — | 2A,3A | 3A,4A | 4A,5A | 5A | 5A | 6A | 6A | 6A | 7A | 7A | 7A | 7A | 7A |
| 14" | — | — | — | — | — | — | — | 3A | 4A | 5A | 5A | 5A | 6A | 6A | 6A | 6A | 7A | 7A |
| 16" | — | — | — | — | — | — | — | — | 3A,4A | 4A | 5A | 5A | 6A | 6A | 6A | 6A | 7A | 7A |
| 18" | — | — | — | — | — | — | — | — | 2A | 3A,4A | 4A | 5A | 5A,6A | 6A | 6A | 6A | 6A | 7A |
| 20" | — | — | — | — | — | — | — | — | 2A | 3A | 3A,4A | 4A | 5A | 5A | 6A | 6A | 6A | 7A |
| 24" | — | — | — | — | — | — | — | — | — | — | 2A | 3A | 4A | 5A | 5A | 6A | 6A | 6A |

| VALVE SIZE | TRENCH DEPTH AND MODEL NUMBER | | | | | | | | | | | | | | | | | |
|---------------|-------------------------------|----|----|----|----|----|----|----|-------|----|----|----|----|----|----|----|----|---|
| 11'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 12'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A,9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 12'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 13'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 13'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 14'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 14'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 15'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 15'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 16'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 16'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 17'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 17'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 18'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 18'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 19'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 19'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 20'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 20'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 21'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 21'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 22'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 22'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 23'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 23'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 24'0" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |
| 24'6" | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 8A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | 9A | — |

Where two model numbers are shown for a given valve/trench combination, use the dimensions in the tables below to select the best fit.

| MODEL NUMBER | LENGTH | | ASSEMBLY WEIGHT |
|-----------------|--------|--------|--------------------|
| | MIN. | MAX. | |
| 2A | 19.00 | 24.00 | 27 LBS |
| 3A | 23.50 | 31.50 | 29 LBS |
| 4A | 27.50 | 39.50 | 32 LBS |
| 5A | 35.50 | 55.50 | 38 LBS |
| 6A | 47.50 | 79.50 | 45 LBS |
| 7A | 71.50 | 127.50 | 60 LBS |
| 8 | 122.75 | 178.75 | 87 LBS |
| 9A | 173.75 | 229.75 | 105 LBS |

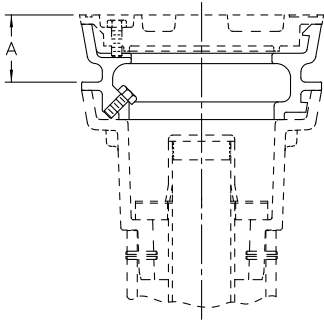




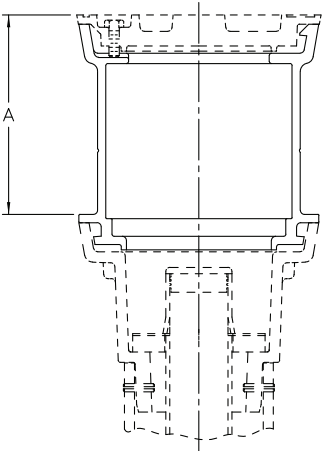
Trench Adapter Extensions

| LENGTH | LIST PRICE |
|--------|------------|
| 2" | \$114 |
| 6" | \$357 |
| 12" | \$424 |
| 18" | \$445 |
| 24" | \$466 |

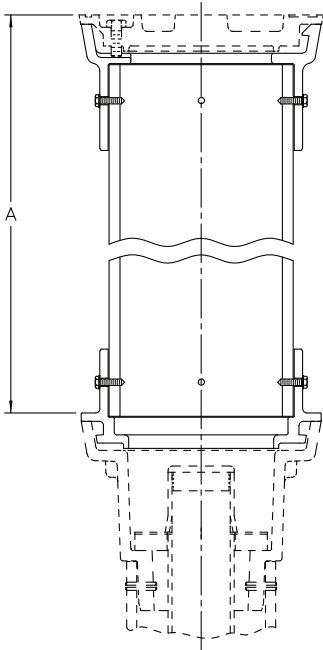
Subject to parts discount.



2-INCH TOP EXTENSION



6-INCH TOP EXTENSION



12-INCH, 18-INCH AND 24-INCH
TOP EXTENSION ASSEMBLIES

IL1716-10

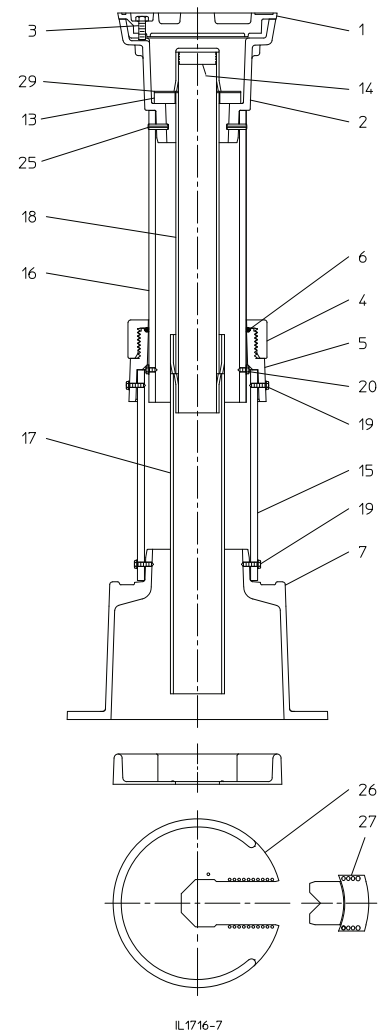
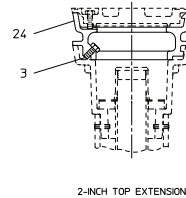
| SIZE | A | EXTENSION WEIGHT |
|------|-------|------------------|
| 2" | 2.00 | 8 LBS |
| 6" | 6.00 | 12 LBS |
| 12" | 12.00 | 14 LBS |
| 18" | 18.00 | 15 LBS |
| 24" | 24.00 | 16 LBS |

OCWUT 00032

[Back to Index](#)
AMERICAN
 FLOW CONTROL
 THE RIGHT WAY

Trench Adapter Repair Parts

| REF NO. | DESCRIPTION | PRICE EACH |
|---------|---|------------|
| 1 | Lid - Ductile Iron | \$284 |
| | Optional Urethane Lid | \$377 |
| 2 | Top (Ductile Iron) | \$224 |
| 3 | Locking Bolt | \$30 |
| 4 | Reducer Coupling Gland | \$35 |
| 5 | Reducer Coupling | \$70 |
| 6 | O-Ring | \$53 |
| 7 | Base | \$154 |
| 13 | Grit Washer (part of stem assembly, not available seperately) | * |
| 14 | Cap (part of stem assembly) | \$35* |
| 17 | Lower Stem (part of stem assembly, not available seperately) | * |
| 18 | Upper Stem (part of stem assembly, not available seperately) | * |
| * | Stem Assembly – Includes Reference # 13, 14, 17 and 18 | |
| | For Model #1 | \$224 |
| | For Model #2 | \$242 |
| | For Model #3 | \$266 |
| | For Model #4 | \$291 |
| | For Model #5 | \$340 |
| | For Model #6 | \$391 |
| | For Model #7 | \$510 |
| | For Model #8 | \$630 |
| | For Model #9 | \$986 |
| 19 | Screw (8 required) | \$14 |
| 20 | Screw (2 required) | \$14 |
| 25 | Spring Pin | \$6 |
| 26 | Alignment Ring | \$112 |
| 27 | Sliding Adjuster (Included with #26) | \$100 |

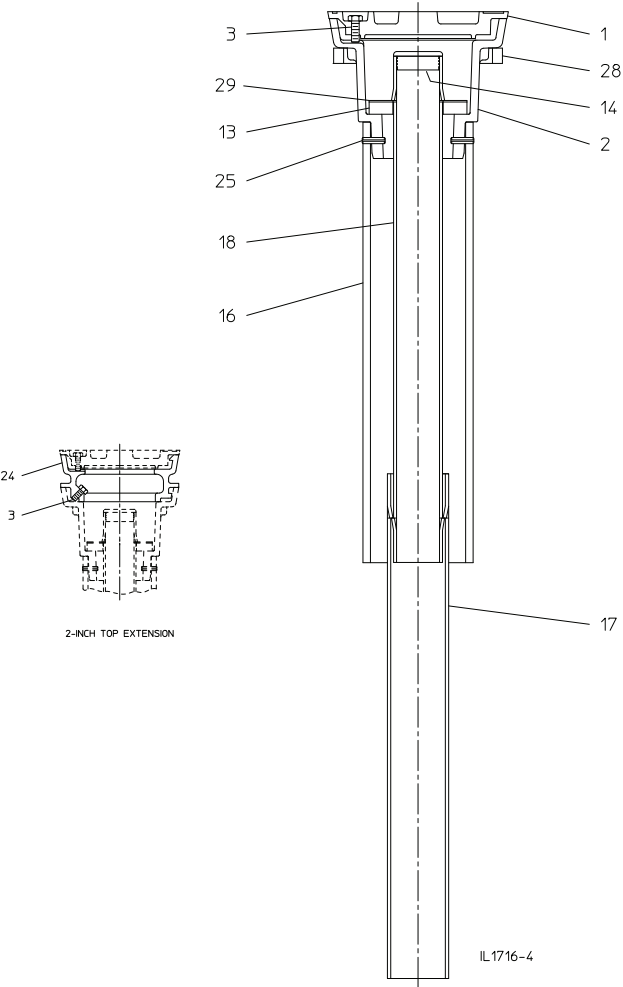

 O
C
W
U
T
0
0
0
3
2

[Back to Index](#)



Retrofit Valve Box Insert Repair Parts

| REF NO. | DESCRIPTION | PRICE EACH |
|---------|---|------------|
| 1 | Lid - Ductile Iron | \$284 |
| | Optional Urethane Lid | \$377 |
| 2 | Top (Ductile Iron) | \$224 |
| 3 | Locking Bolt | \$30 |
| 13 | Grit Washer (part of stem assembly, not available seperately) | * |
| 14 | Cap (part of stem assembly) | \$35 * |
| 17 | Lower Stem (part of stem assembly, not available seperately) | * |
| 18 | Upper Stem (part of stem assembly, not available seperately) | * |
| * | Stem Assembly – Includes Reference # 13, 14, 17 and 18 | |
| | For Model #1 | \$224 |
| | For Model #2 | \$242 |
| | For Model #3 | \$266 |
| | For Model #4 | \$289 |
| | For Model #5 | \$340 |
| | For Model #6 | \$392 |
| | For Model #7 | \$510 |
| | For Model #8 | \$630 |
| | For Model #9 | \$986 |
| 19 | Screw (4 required) | \$11 |
| 28 | Top Spacer | \$20 |



OCWUT 00032

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

Accessories

MECHANICAL JOINT ACCESSORY KITS FOR VALVES

PRICES ARE PER JOINT

| SIZE | MJ WITH STANDARD GASKET W/STD BOLTS | MJ WITH TRANSITION GASKET W/STD BOLTS | MJ WITH RETAINER GLAND W/STD BOLTS |
|------|--|--|---------------------------------------|
| 2" | \$62 | \$88 | — |
| 3" | \$105 | \$137 | \$242 |
| 4" | \$105 | \$137 | \$245 |
| 6" | \$156 | \$184 | \$298 |
| 8" | \$179 | \$210 | \$331 |
| 10" | \$242 | \$266 | \$510 |
| 12" | \$455 | \$483 | \$762 |

GASKETS

| SIZE | PVC | TRANSITION | TYTON® |
|------|------|------------|--------|
| 2" | \$21 | \$21 | — |
| 2½" | \$51 | — | — |
| 3" | \$53 | \$35 | — |
| 4" | \$62 | \$41 | \$56 |
| 6" | \$67 | \$53 | \$67 |
| 8" | \$84 | \$84 | \$84 |
| 10" | — | \$92 | \$114 |
| 12" | — | \$119 | \$126 |

O
C
W
U
T
0
0
0
3
2

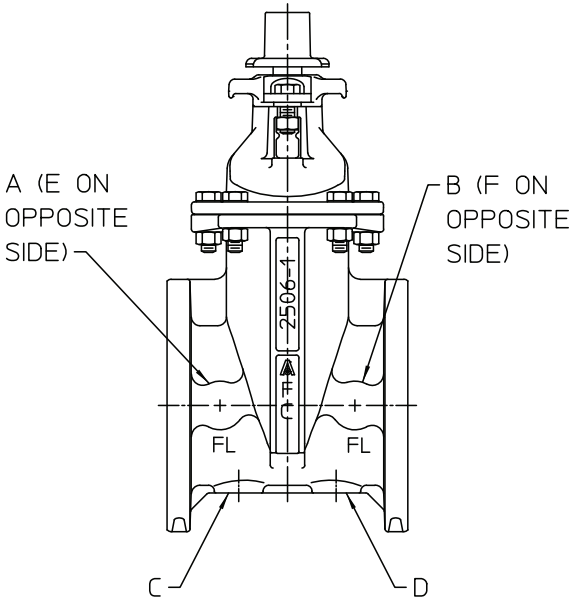
Series 2500/2500-1 Resilient Wedge Valve Body Tap Locations

| TAP SIZES FOR BOSSES A,B,C,D,E & F | VALVE SIZE | | | | | | | | | | | | | | | | | | |
|--|------------|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 2" | 2½" | 3" | 4" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" | 30" | 36" | 48" | 54" | 60" | 66" |
| ½" NPT | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| ¾" NPT | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 1" NPT | — | — | — | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 1½" NPT | — | — | — | — | — | — | — | — | — | — | — | — | X | X | X | X | X | X | X |
| 2" NPT | — | — | — | — | — | — | — | — | — | — | — | — | X | X | X | X | X | X | X |
| 2½" NPT | — | — | — | — | — | — | — | — | — | — | — | — | — | X | X | X | X | X | X |
| 3" NPT | — | — | — | — | — | — | — | — | — | — | — | — | — | — | X | X | X | X | X |

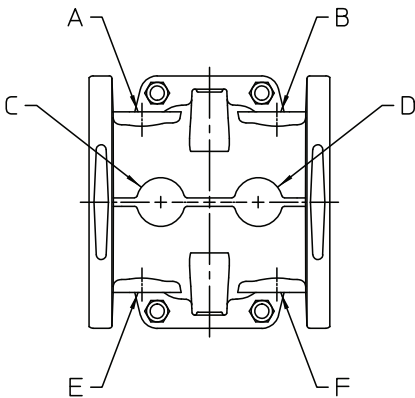
NOTES:

- 1.Valve body tap locations are in accordance with MSS SP-45.
2.Taps are available on both class 125 and class 250 flanged bodies.

Add \$175 to list price per tap for 24" & smaller valves; POA for sizes 30" through 66".



IL2868



LOCATION OF POSSIBLE TAPS
ON FLANGE X FLANGE VALVES

OCWUT 00032

[Back to Index](#)



Chainwheels & Chains/Valve Wrench

CHAINWHEELS & CHAINS

| CHAINWHEEL SIZE | DIAMETER HANDWHEEL CHAINWHEEL WILL FIT | AWWA GATE VALVE SIZE | *PRICE CHAINWHEEL | **PRICE CHAIN PER FOOT |
|--------------------|---|-------------------------|----------------------|---------------------------|
| 2 | 7¾" to 9" | 2", 2½", 3" | \$888 | \$16 |
| 2½ | 9¾" to 12½" | 4", 6" | \$1,290 | \$21 |
| 3 | 12¾" to 15½" | 8" | \$1,528 | \$21 |
| 3½ | 15¾" to 19" | 10", 12" | \$2,158 | \$21 |
| 4 | 19¾" to 22" | 14", 16", 18" | \$3,977 | \$29 |
| 5 | 26¾" to 30" | 20", 24" | \$4,922 | \$32 |

*Chainwheel includes chain guide.

**Overall length is figured at 5' plus twice the distance from the centerline of the chainwheel to the bottom of chain.

VALVE WRENCH (T-HANDLE KEY)

| | |
|-----------------------------|-------|
| Lengths up to 5' | \$473 |
| For each additional 1ft add | \$89 |

Price subject to same discount as valve.

OCWUT 00032



Weight Chart-Fire Hydrants

| DEPTH OF TRENCH | 4½" MARK 73 / 5¼" B-84-B 2 HOSE & 1 PUMPER 6" MJ BASE LESS ACC. | 5¼" B-62-B / 6" B-84-B 2 HOSE & 1 PUMPER 6" MJ BASE LESS ACC. |
|--------------------|---|---|
| 3' 6" | 325# | 390# |
| 4' 0" | 345# | 410# |
| 4' 6" | 365# | 430# |
| 5' 0" | 385# | 450# |

Add or Deduct for each

6" variance in trench

20#

20#

ADD FOR:

4" Flange Base. 5#

6" Flange Base. 30#

6" MJ Accessories 10#

8" MJ Accessories 13#

B-62-B:

8" MJ Base 57#

8" Flange Base 60#

B-84-B:

8" MJ Base. 37#

SUBTRACT FOR:

2 Hose Nozzles Only 25#

| DEPTH OF TRENCH | TREND 2 HOSE & 1 PUMPER 6" MJ BASE LESS ACC. WB77-1 | PACER 2 HOSE & 1 PUMPER 6" MJ BASE LESS ACC. WB67-250 | CLASSIC PACER 2 HOSE & 1 PUMPER 6" MJ BASE LESS ACC. |
|------------------------|--|--|--|
| 3' 6" | 392# | 392# | 404# |
| 4' 0" | 413# | 413# | 425# |
| 4' 6" | 433# | 433# | 435# |
| 5' 0" | 454# | 454# | 466# |
| 5' 6" | 473# | 473# | 488# |
| 6' 0" | 495# | 495# | 507# |
| 6' 6" | 515# | 515# | 527# |
| 7' 0" | 536# | 536# | 548# |
| 7' 6" | 556# | 556# | 568# |
| 8' 0" | 577# | 577# | 589# |
| 8' 6" | 597# | 597# | 609# |
| 9' 0" | 618# | 618# | 630# |
| 9' 6" | 638# | 638# | 650# |
| 10' 0" | 659# | 659# | 671# |
| Deduct for DD (2 Hose) | 11# | 11# | N/A |

NOTE FOR PACER:

16" Breakoff Section - Use Weight for 6" Longer Hydrant

22" Breakoff Section - Use Weight for 12" Longer Hydrant

ADD FOR:

4" MJ Accessories 11#

6" MJ Accessories 17#

SUBTRACT FOR:

Modernization 180#

O
C
W
U
T
0
0
0
3
2



Weight Chart-Hydrant Extension Kits

GROUNDLINE EXTENSION KIT

| LENGTH | 4 ½" MK-73 5 ¼" B-84-B | 5 ¼" B-62-B 6" B-84-B | 4" & 4 ½" B-50-B | 5" B-50-B 6 ¼" B-62-B | 6" B-50-B | 4 ¾" TREND (WB77) K479 | 5 ¼" PACER / 4 ¾" TREND WB77-1 K562/K563 |
|--------|---------------------------|--------------------------|---------------------|--------------------------|-----------|---------------------------|---|
| 6" | 41# | 53# | 51# | 72# | 82# | 33# | 41# |
| 12" | 59# | 76# | 74# | 98# | 119# | 46# | 62# |
| 18" | 73# | 102# | 95# | 128# | 151# | 59# | 83# |
| 24" | 88# | 121# | 118# | 148# | 185# | 72# | 104# |
| 30" | 115# | 148# | 139# | 172# | 217# | 85# | 125# |
| 36" | 135# | 173# | 161# | 197# | 252# | 98# | 146# |

"QUICK-FIX" GROUNDLINE EXTENSION KIT

| LENGTH | 5 ¼" B-62-B | 6 ¼" B-62-B | 4" & 4 ½" B-50-B | 5" B-50-B |
|--------|-------------|-------------|------------------|-----------|
| 6" | 49# | 72# | 46# | 72# |
| 12" | 71# | 89# | 68# | 89# |
| 18" | 94# | 125# | 89# | 125# |
| 24" | 118# | 153# | 115# | 153# |
| 30" | 141# | 180# | 138# | 180# |
| 36" | 164# | 207# | 161# | 207# |

BASE EXTENSION KIT

| LENGTH | 5 ¼" B-62-B | 6 ¼" B-62-B | 4" & 4 ½" B-50-B | 5" B-50-B | 6" B-50-B |
|--------|-------------|-------------|------------------|-----------|-----------|
| 6" | 45# | 66# | 45# | 66# | 76# |
| 12" | 66# | 88# | 66# | 88# | 110# |
| 18" | 82# | 118# | 82# | 118# | 140# |
| 24" | 102# | 150# | 102# | 150# | 171# |
| 30" | 125# | 178# | 125# | 178# | 200# |
| 36" | 145# | 206# | 145# | 206# | 233# |

PACER MODERNIZATION KIT

| LENGTH | WEIGHT |
|--------|--------|
| 3' 0" | 178# |
| 3' 6" | 180# |

Add or Deduct 2 lbs. per 6"

O
C
W
U
T
0
0
0
3
2

[Back to Index](#)**AMERICAN**
FLOW CONTROL
THE RIGHT WAY

Weight Chart-Gate Valves

AFC SERIES 2500/2500-1 DUCTILE IRON RESILIENT WEDGE VALVE

| DESCRIPTION | 2" | 2½" | 3" | 4" | 6" | 8" | 10" | 12" | 14" |
|--------------------|-----|-----|-----|------|------|------|------|------|------|
| MJ x MJ | 18# | — | 44# | 55# | 97# | 147# | 239# | 336# | 688# |
| FL x MJ | — | — | — | 61# | 102# | 163# | 246# | 364# | 735# |
| FL x FL (NRS) | 23# | 46# | 52# | 69# | 111# | 174# | 262# | 394# | 735# |
| FL x FL (OSY) | 28# | — | 53# | 88# | 133# | 207# | 309# | 451# | 847# |
| 250# FL x FL (NRS) | — | — | 59# | 95# | 158# | 250# | 379# | 538# | 882# |
| 250# FL x FL (OSY) | — | — | 72# | 112# | 185# | 280# | 421# | 596# | 776# |
| THD x THD | 15# | 36# | 41# | — | — | — | — | — | — |
| TY x TY | — | — | — | 68# | 111# | 172# | 265# | 370# | — |
| FL x TY | — | — | — | 70# | 112# | 175# | 265# | 385# | — |
| PVC x PVC | 17# | 41# | 41# | 58# | 110# | 154# | — | — | — |
| ALPHA x ALPHA | — | — | — | 75# | 115# | 198# | 292# | 411# | — |
| MJ TAPPING | — | — | — | 66# | 108# | 173# | 250# | 366# | 754# |

AFC SERIES 2500 DUCTILE IRON RESILIENT WEDGE VALVE

| DESCRIPTION | 16" | 18" | 20" | 24" | 30" | 36" | 42" | 48" | 54" | 60" | 66" |
|--------------------|-------|-------|-------|-------|-------|-------|---------|---------|---------|---------|---------|
| MJ x MJ | 863# | 1179# | 1518# | 2301# | 4666# | 7450# | 11,300# | 15,800# | — | — | — |
| FL x MJ | 888# | 1179# | 1560# | 2312# | 4632# | 7450# | 11,300# | 15,800# | — | — | — |
| FL x FL (NRS) | 893# | 1148# | 1495# | 2292# | 4492# | 7450# | 11,300# | 15,800# | 15,870# | 27,800# | 31,600# |
| FL x FL (OSY) | 961# | 1208# | 1656# | 2380# | — | — | — | — | — | — | — |
| 250# FL x FL (NRS) | 1055# | 1420# | 1800# | 2900# | 5237# | — | — | — | — | — | — |
| FLEX-RING® | — | — | — | 2473# | 4711# | 7610# | 11,486# | 17,341# | — | 29,854# | — |
| MJ TAPPING | 882# | 1174# | 1512# | 2300# | 4630# | 7450# | 11,300# | 15,800# | — | — | — |

O
C
W
U
T
0
0
0
3
2



Weight Chart-Swing Check Valves/Tapping Sleeves

50-LINE SWING CHECK VALVES

| SIZE | 52SC STANDARD | 52SC LEVER/SPRING | 52SC LEVER/WEIGHT |
|------|------------------|----------------------|----------------------|
| 3" | 61# | 63# | 64# |
| 4" | 98# | 102# | 104# |
| 6" | 167# | 170# | 173# |
| 8" | 274# | 288# | 295# |
| 10" | 445# | 450# | 470# |
| 12" | 620# | 655# | 655# |
| 14" | 1010# | 1080# | 1080# |
| 16" | 1180# | 1250# | 1250# |

SERIES 600 CHECK VALVES

| SIZE | STANDARD | LEVER & SPRING OR WEIGHT |
|------|----------|-----------------------------|
| 3" | 60# | 70# |
| 4" | 75# | 85# |
| 6" | 145# | 160# |
| 8" | 245# | 260# |
| 10" | 380# | 405# |
| 12" | 500# | 525# |

SERIES 2100 CHECK VALVES

| SIZE | STANDARD |
|------|----------|
| 3" | 31# |
| 4" | 98# |
| 6" | 98# |
| 8" | 168# |
| 10" | 290# |
| 12" | 449# |
| 14" | 545# |
| 16" | 760# |

SERIES 2800 TAPPING SLEEVES

| SIZE Inches | SLEEVE FOR CI | FOR AC | SIZE Inches | SLEEVE | SIZE Inches | SLEEVE |
|----------------|------------------|--------|----------------|--------|----------------|--------|
| 4 x 4 | 101# | 106# | 18 x 4 | 660# | 30 x 6 | 1895# |
| 6 x 4 | 140# | 144# | 18 x 6 | 665# | 30 x 8 | 1910# |
| 6 x 6 | 144# | 148# | 18 x 8 | 675# | 36 x 6 | 2223# |
| 8 x 4 | 154# | 160# | 18 x 10 | 810# | 36 x 8 | 2232# |
| 8 x 6 | 156# | 166# | 18 x 12 | 835# | | |
| 8 x 8 | 165# | 174# | 18 x 16 | 980# | | |
| 10 x 4 | 238# | 257# | 18 x 18 | 1010# | | |
| 10 x 6 | 246# | 262# | 20 x 4 | 760 | | |
| 10 x 8 | 255# | 267# | 20 x 6 | 765# | | |
| 10 x 10 | 262# | 276# | 20 x 8 | 775# | | |
| 12 x 4 | 267# | 284# | 20 x 10 | 930# | | |
| 12 x 6 | 271# | 288# | 20 x 12 | 950# | | |
| 12 x 8 | 279# | 293# | 20 x 14 | 965# | | |
| 12 x 10 | 290# | 305# | 20 x 16 | 1130# | | |
| 12 x 12 | 301# | 315# | 20 x 20 | 1175# | | |
| 14 x 4 | 480# | — | 24 x 4 | 985# | | |
| 14 x 6 | 485# | — | 24 x 6 | 990# | | |
| 14 x 8 | 495# | — | 24 x 8 | 995# | | |
| 14 x 10 | 600# | — | 24 x 10 | 1300# | | |
| 14 x 12 | 625# | — | 24 x 12 | 1410# | | |
| 14 x 14 | 645# | — | 24 x 14 | 1415# | | |
| 16 x 4 | 560# | — | 24 x 16 | 1320# | | |
| 16 x 6 | 565# | — | 24 x 18 | 1440# | | |
| 16 x 8 | 580# | — | 24 x 20 | 1470# | | |
| 16 x 10 | 705# | — | 24 x 24 | 1730# | | |
| 16 x 12 | 725# | — | | | | |
| 16 x 14 | 740# | — | | | | |
| 16 x 16 | 865# | — | | | | |

O
C
W
U
T
0
0
0
3
2



Weight Chart-Miscellaneous Items

IP16 INDICATOR POST

| MODEL | WEIGHT |
|--------------|--------|
| 1A & 1B & 1C | 143# |
| 2A & 2B & 2C | 186# |
| 3A & 3B & 3C | 213# |
| 4A & 4B & 4C | 242# |
| 5A & 5B & 5C | 270# |
| 6A & 6B & 6C | 298# |
| 7A & 7B & 7C | 327# |
| 8A & 8B & 8C | 355# |

CHAINWHEELS

| SIZE | WEIGHT |
|--------|--------|
| No. 2 | 10# |
| No. 2½ | 14# |
| No. 3 | 19# |
| No. 3½ | 28# |

Chain for No. 2, 1.8 lbs./ft

Chain for others, 3 lbs./ft.

TRENCH ADAPTER

| MODEL NUMBER | WEIGHT |
|-----------------|--------|
| 1 | 29# |
| 2 | 32# |
| 3 | 35# |
| 4 | 39# |
| 5 | 48# |
| 6 | 54# |
| 7 | 72# |
| 8 | 99# |
| 9 | 127# |

RETROFIT VALVE BOX INSERT

| MODEL NUMBER | WEIGHT |
|-----------------|--------|
| 2A | 27# |
| 3A | 29# |
| 4A | 32# |
| 5A | 38# |
| 6A | 45# |
| 7A | 60# |
| 8A | 87# |
| 9A | 105# |

O
C
W
U
T
0
0
0
3
2



Shipping Weight-Series 200 Indicator Post & Accessories

| | | | |
|---------------|---------------------------------------|-------------|----------------|
| A190 | Coupling Only | | 5# |
| A192 | Coupling | | 9# |
| A193-1 | Coupling, used with 2½" thru 4" OS&Y- | | 14# |
| A193-2 | Coupling, used with 6" thru 8" | | 17# |
| A193-3 | Coupling, used with 10" thru 16" | | 53# |
| A240 | Underground Post Indicator Assembly | With Wrench | With Handwheel |
| | 3'0" thru 6'0" | 231# | 239# |
| | 6'6" thru 8'6" | 276# | 284# |
| | 9'0" thru 15'0" | 393# | 401# |
| | 15'6" thru 18'6" | 456# | 464# |
| A241 | Complete Extension – 6" | | 37# |
| | Add for each additional 6" | | 10# |
| A278 | Flanged Base Post Indicator Assembly | | 108# |
| A283 | Recessed Wall Frame | | 50# |
| A284 | Back Up Ring | | 5# |
| A286 | Coupling A240 | | 6# |

PALLET QUANTITIES – VALVES & HYDRANTS

It has been AFC's standard practice to ship gate valves and hydrants from both Beaumont, TX and South St. Paul, MN on pallets. In order for us to optimize our service to you, we request that whenever possible your orders be placed in multiples of even pallet quantities. Outlined below are the pallet quantities from both plants.

Hydrants are palletized 9 per pallet up to 6' trench, 6 per pallet for 6'6" trench & deeper.

RW valves are palletized per the following chart:

| DESCRIPTION | 2" | 2-1/2" | 3" | 4" | 6" | 8" | 10" | 12" |
|--------------------------------------|-----|--------|----|----|----|----|-----|-----|
| Series 2500 - NRS | 108 | 72 | 32 | 16 | 20 | 16 | 6 | 6 |
| Series 2500 - OSY | 60 | 60 | 30 | 16 | 20 | 12 | 4 | 4 |
| Exceptions: Tyton x Tyton, PVC x PVC | 72 | 48 | 32 | 16 | 15 | 12 | 4 | 4 |
| ALPHA x ALPHA | - | - | - | 24 | 16 | 6 | 4 | 4 |

AMERICAN Flow Control
P.O. Box 2727
Birmingham, AL 35202
800-610-3569

Waterous Company
125 Hardman Ave South
South Saint Paul, MN 55075
888-266-3686

WWW.AMERICAN-USA.COM



AMERICAN

FLOW CONTROL

THE RIGHT WAY

O
C
W
U
T
0
0
0
3
2

CORE & MAIN LP

Item: **Group 2: Ductile Iron Bodied Butterfly Valves:Group 2: Ductile Iron Bodied Butterfly Valves:Butterfly valve with accessories 16 inch**

Attachments

Val Matic QT Price List 1.pdf

O
C
W
U
T
0
0
0
3
2



Effective May 1, 2017



**Published
Price List**

**Quarter-Turn
Valves**

O
C
W
U
T
0
0
0
3
2

| | |
|-----------------------|-------------|
| Butterfly..... | p. 2 |
| Plug..... | p. 5 |

American BFV® Butterfly Valves

Buried Service

AWWA C504 Classes 150B and 250B

150B rated to 150 P.S.I.

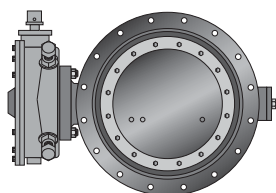
250B rated to 250 P.S.I.

Materials of Construction

Body: Cast Iron (AWWA Class 150B) and Ductile Iron (AWWA Class 250B)
Ductile Iron Disc, Stainless Steel Shafts and Body Seat Ring, Resilient Seats

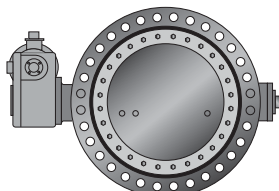


C USA
NSF/ANSI 372
Certified
Lead Free



Butterfly Valve for
Buried Service

| AWWA Class 150B | | | | | | |
|---|------------------|--------|------------|------------|--------|------------|
| Buried Service, with LSA Traveling Actuator and AWWA 2" Nut | | | | | | |
| Valve Size | Mechanical Joint | | | Flanged | | |
| | Model No. | Price | Weight Lbs | Model No. | Price | Weight Lbs |
| 4 | 2104/2A02A | \$861 | 90 | 2004/2A02A | \$861 | 67 |
| 6 | 2106/2B02A | 1,018 | 115 | 2006/2B02A | 1,018 | 90 |
| 8 | 2108/2B02A | 1,218 | 134 | 2008/2B02A | 1,218 | 125 |
| 10 | 2110/2C02A | 1,775 | 150 | 2010/2C02A | 1,775 | 192 |
| 12 | 2112/2C02A | 1,999 | 244 | 2012/2C02A | 1,999 | 245 |
| 14 | 2114/2D02A | 3,158 | 403 | 2014/2D02A | 3,158 | 380 |
| 16 | 2116/2D02A | 3,586 | 520 | 2016/2D02A | 3,586 | 465 |
| 18 | 2118/2E02A | 4,644 | 683 | 2018/2E02A | 4,644 | 600 |
| 20 | 2120/2E02A | 5,563 | 809 | 2020/2E02A | 5,563 | 725 |
| 24 | 2124/2F02A | 8,377 | 1,192 | 2024/2F02A | 8,377 | 1,060 |
| 30 | 2130/2G02A | 16,890 | 2,617 | 2030/2G02A | 16,890 | 2,370 |
| 36 | 2136/2G02A | 20,545 | 3,775 | 2036/2G02A | 20,545 | 3,425 |
| 42 | 2142/2H02A | 31,321 | 5,800 | 2042/2H02A | 31,321 | 4,180 |
| 48 | 2148/2J02A | 40,926 | 8,600 | 2048/2J02A | 40,926 | 6,925 |



Butterfly Valve for
Buried Service

| AWWA Class 250B | | | | | | |
|---|------------------|---------|------------|------------|---------|------------|
| Buried Service, with LSA Traveling Actuator and AWWA 2" Nut | | | | | | |
| Valve Size | Mechanical Joint | | | Flanged | | |
| | Model No. | Price | Weight Lbs | Model No. | Price | Weight Lbs |
| 4 | 2304/2A02A | \$2,059 | 90 | 2204/2A02A | \$2,451 | 80 |
| 6 | 2306/2B02A | 2,426 | 115 | 2206/2B02A | 3,180 | 130 |
| 8 | 2308/2B02A | 3,240 | 134 | 2208/2B02A | 3,427 | 145 |
| 10 | 2310/2C02A | 3,848 | 150 | 2210/2C02A | 3,861 | 225 |
| 12 | 2312/2C02A | 4,437 | 244 | 2212/2C02A | 4,918 | 300 |
| 14 | 2314/2D02A | 5,140 | 403 | 2214/2D02A | 5,665 | 450 |
| 16 | 2316/2D02A | 6,044 | 520 | 2216/2D02A | 6,145 | 550 |
| 18 | 2318/2E02A | 6,942 | 683 | 2218/2E02A | 7,658 | 750 |
| 20 | 2320/2E02A | 8,551 | 809 | 2220/2E02A | 9,044 | 900 |
| 24 | 2324/2F02A | 11,321 | 1,192 | 2224/2F02A | 12,653 | 1,350 |

Notes: AWWA Class 150B flanges drilled to ANSI 125.
AWWA Class 250B flanges drilled to ANSI 250.
Internally coated with Devco Bar-Rust 233H (NSF 61 approved)
Contact Factory for Optional Pressures, Materials, & Accessories

Val-Matic produces AWWA Class 150B Butterfly Valves through 108" and AWWA Class 250B Butterfly Valves through 48". Consult factory for pricing.

American BFW® Butterfly Valves

Plant Service

AWWA C504 Classes 150B and 250B

150B rated to 150 P.S.I.

250B rated to 250 P.S.I.

Materials of Construction

Body: Cast Iron (AWWA Class 150B) and Ductile Iron (AWWA Class 250B)

Ductile Iron Disc, Stainless Steel Shafts and Body Seat Ring, Resilient Seats



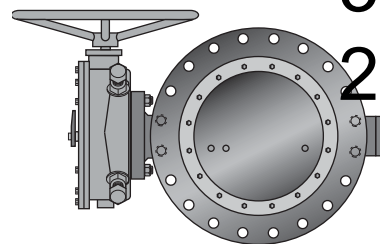
C USA
NSF/ANSI 372
Certified
Lead Free

AWWA Class 150B

| Valve Size | Plant Service, with LSA Traveling Nut Actuator and Position Indicator | | | | | | Flanged with Hand Lever | | |
|------------|---|---------|------------|------------------------|---------|------------|---|-------|------------|
| | Flanged with AWWA 2" Nut | | | Flanged with Handwheel | | | | | |
| | Model No. | Price | Weight Lbs | Model No. | Price | Weight Lbs | Model No. | Price | Weight Lbs |
| 3 | 2003/1A02A | \$1,001 | 60 | 2003/1A08A | \$1,001 | 62 | 2003/3BL | \$861 | 62 |
| 4 | 2004/1A02A | 1,001 | 67 | 2004/1A08A | 1,001 | 71 | 2004/4BL | 861 | 71 |
| 6 | 2006/1B02A | 1,078 | 90 | 2006/1B08A | 1,078 | 90 | 2006/6BL | 970 | 90 |
| 8 | 2008/1B02A | 1,332 | 125 | 2008/1B08A | 1,332 | 125 | 2008/8BL* | 1,168 | 125 |
| 10 | 2010/1C02A | 1,916 | 192 | 2010/1C12A | 1,916 | 200 | 2010/10BL** | 1,789 | 200 |
| 12 | 2012/1C02A | 2,278 | 245 | 2012/1C16A | 2,278 | 250 | 2012/12BL** | 2,169 | 250 |
| 14 | 2014/1D02A | 3,248 | 380 | 2014/1D24A | 3,248 | 390 | * Rated to 75 PSI ** Rated to 25 PSI | | |
| 16 | 2016/1D02A | 3,809 | 465 | 2016/1D24A | 3,809 | 470 | | | |
| 18 | 2018/1E02A | 4,651 | 600 | 2018/1E24A | 4,651 | 610 | | | |
| 20 | 2020/1E02A | 5,401 | 725 | 2020/1E24A | 5,401 | 730 | | | |
| 24 | 2024/1F02A | 8,270 | 1,060 | 2024/1F24A | 8,270 | 1,070 | | | |
| 30 | 2030/1G02A | 16,890 | 2,370 | 2030/1G24A | 16,890 | 2,375 | | | |
| 36 | 2036/1G02A | 20,411 | 3,425 | 2036/1G24A | 20,411 | 3,425 | | | |
| 42 | 2042/1H02A | 32,128 | 4,110 | 2042/1H24A | 32,128 | 4,544 | | | |
| 48 | 2048/1J02A | 40,987 | 6,380 | 2048/1J24A | 40,987 | 6,925 | | | |

AWWA Class 250B

| Plant Service, with LSA Traveling Nut Actuator and Position Indicator | | | | | | |
|---|--------------------------|---------|------------|------------------------|---------|------------|
| Valve Size | Flanged with AWWA 2" Nut | | | Flanged with Handwheel | | |
| | Model No. | Price | Weight Lbs | Model No. | Price | Weight Lbs |
| 4 | 2204/1A02A | \$2,497 | 80 | 2204/1A08A | \$2,516 | 80 |
| 6 | 2206/1B02A | 3,241 | 130 | 2206/1B08A | 3,261 | 130 |
| 8 | 2208/1B02A | 3,493 | 145 | 2208/1B08A | 3,511 | 145 |
| 10 | 2210/1C02A | 3,935 | 225 | 2210/1C12A | 3,943 | 225 |
| 12 | 2212/1C02A | 5,011 | 300 | 2212/1C16A | 5,018 | 300 |
| 14 | 2214/1D02A | 5,773 | 450 | 2214/1D24A | 5,839 | 450 |
| 16 | 2216/1D02A | 6,262 | 550 | 2216/1D24A | 6,329 | 550 |
| 18 | 2218/1E02A | 7,658 | 750 | 2218/1E24A | 7,726 | 750 |
| 20 | 2220/1E02A | 9,044 | 900 | 2220/1E24A | 9,109 | 900 |
| 24 | 2224/1F02A | 12,653 | 1,350 | 2224/1F30A | 12,731 | 1,350 |



Butterfly Valve for
Plant Service

Notes: AWWA Class 150B flanges drilled to ANSI 125.
 AWWA Class 250B flanges drilled to ANSI 250.
 Internally coated with Devco Bar-Rust 233H (NSF 61 approved)
 Contact Factory for Optional Pressures, Materials, & Accessories

Val-Matic produces AWWA Class 150B Butterfly Valves through 108" and AWWA Class 250B Butterfly Valves through 48". Consult factory for pricing.

American BFV® Butterfly Valves

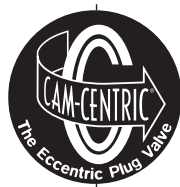
Spare Parts Kits



| Seal Kit | | | |
|---|-----------|-------------------------|-------|
| Includes Seat, Bolts, Retaining Ring/Segments and V-Packing | | | |
| Size | Model No. | Description | Price |
| 4 | SPK3-2004 | Seal Kit for 4" Series | \$110 |
| 6 | SPK3-2006 | Seal Kit for 6" Series | 147 |
| 8 | SPK3-2008 | Seal Kit for 8" Series | 157 |
| 10 | SPK3-2010 | Seal Kit for 10" Series | 236 |
| 12 | SPK3-2012 | Seal Kit for 12" Series | 255 |
| 14 | SPK3-2014 | Seal Kit for 14" Series | 300 |
| 16 | SPK3-2016 | Seal Kit for 16" Series | 325 |
| 18 | SPK3-2018 | Seal Kit for 18" Series | 358 |
| 20 | SPK3-2020 | Seal Kit for 20" Series | 402 |
| 24 | SPK3-2024 | Seal Kit for 24" Series | 501 |
| 30 | SPK3-2030 | Seal Kit for 30" Series | 617 |
| 36 | SPK3-2036 | Seal Kit for 36" Series | 929 |
| 42 | SPK3-2042 | Seal Kit for 42" Series | 1,093 |
| 48 | SPK3-2048 | Seal Kit for 48" Series | 1,434 |

Consult Factory for larger sizes.

OCWUT 00032



Cam-Centric® Plug Valves

**Threaded • Mechanical Joint
Flanged, ANSI Class 125**

1/2" - 12": 175 P.S.I. • 14" and larger: 150 P.S.I.

Materials of Construction

Cast Iron Body, Nickel Seat, Buna-N Plug, Vee Type Packing†, Stainless Steel Bearings



C USA
NSF/ANSI 372
Certified
Lead Free

| Threaded, Lever Actuated Valves Includes Open Memory Stop and Balancing Ports | | | | | | | | | | | |
|--|------------|-------|------------|------------|------------|-------|------------|------------|-----------|-------|------------|
| Valve Size | Model No. | Price | Weight Lbs | Valve Size | Model No. | Price | Weight Lbs | Valve Size | Model No. | Price | Weight Lbs |
| 1/2 | 5800.5RTL | \$171 | 7 | 1 | 5801RTL | \$183 | 9 | 1 1/2 | 5801.5RTL | \$227 | 10 |
| 3/4 | 5800.75RTL | 178 | 7 | 1 1/4 | 5801.25RTL | 207 | 10 | 2 | 5802RTL | 251 | 11 |

| Direct Nut Actuated Valves Includes AWWA 2" Nut | | | | | | | | | | | |
|--|-----------|-------|------------|----------------|-----------|-------|------------|-------------------------|-----------|-------|------------|
| Threaded | | | | Flanged | | | | Mechanical Joint | | | |
| Valve Size | Model No. | Price | Weight Lbs | Valve Size | Model No. | Price | Weight Lbs | Valve Size | Model No. | Price | Weight Lbs |
| 2 1/2 | 5825RTN | \$466 | 38 | 2 1/2 | 5825RN | \$525 | 46 | 3 | 5903RN | \$620 | 55 |
| 3 | 5803RTN | 489 | 45 | 3 | 5803RN | 546 | 47 | 4 | 5904RN | 652 | 77 |
| | | | | 4 | 5804RN | 605 | 68 | 6† | 5906RN | 965 | 130 |
| | | | | 6† | 5806RN | 984 | 104 | 8† | 5908RN | 1,353 | 184 |
| | | | | 8† | 5808RN | 1,378 | 172 | | | | |

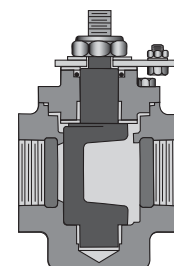
† Rated for 100 P.S.I. direct pressure, 50 P.S.I. reverse. See actuated valves for higher operating pressures.

| Buried Service, Worm Gear Actuated Valves Includes AWWA 2" Nut | | | | | | | | |
|---|------------------------|---------|--------------|-----------------|------------|------------------|-----------------|------------|
| Valve Size | Actuator Rating P.S.I. | | Flanged | | | Mechanical Joint | | |
| | Direct | Reverse | Model No. | Price | Weight Lbs | Model No. | Price | Weight Lbs |
| 4 | 175 | | 5804R/8A02 | \$1,209 | 104 | 5904R/8A02 | \$1,187 | 114 |
| 6 | 175 | | 5806R/8A02 | 1,618 | 176 | 5906R/8A02 | 1,583 | 155 |
| 8 | 175 | | 5808R/8A02 | 2,014 | 216 | 5908R/8A02 | 1,974 | 220 |
| 10 | 175 | 100 | 5810R/8C02 | 2,812 | 320 | 5910R/8C02 | 2,788 | 351 |
| | 175 | | 5810R/8D02 | 3,023 | 340 | 5910R/8D02 | 3,012 | 371 |
| 12 | 175 | 100 | 5812R/8C02 | 3,599 | 492 | 5912R/8C02 | 3,734 | 504 |
| | 175 | | 5812R/8D02 | 3,905 | 515 | 5912R/8D02 | 4,027 | 529 |
| 14 | 150 | 100 | 5814R/8E02 | 5,795 | 684 | 5914R/8E02 | 5,696 | 750 |
| | 150 | | 5814R/8F02 | 6,262 | 710 | 5914R/8F02 | 6,150 | 778 |
| 16 | 150 | 100 | 5816R/8E02 | 7,902 | 877 | 5916R/8E02 | 7,338 | 899 |
| | 150 | | 5816R/8F02 | 9,175 | 895 | 5916R/8F02 | 8,231 | 926 |
| 18 | 150 | 100 | 5818R/8J02.5 | 10,638 | 1,230 | 5918R/8J02.5 | 10,057 | 1,395 |
| | 150 | | 5818R/8K02.5 | 12,051 | 1,252 | 5918R/8K02.5 | 11,679 | 1,419 |
| 20 | 150 | 100 | 5820R/8J02.5 | 15,076 | 1,560 | 5920R/8J02.5 | 13,314 | 1,640 |
| | 150 | | 5820R/8K02.5 | 15,393 | 1,600 | 5920R/8K02.5 | 14,882 | 1,678 |
| 24 | 150 | 100 | 5824R/8J02.5 | 26,345 | 2,369 | 5924R/8J02.5 | 24,421 | 2,379 |
| | 150 | | 5824R/8K02.5 | 26,472 | 2,411 | 5924R/8K02.5 | 25,990 | 2,401 |
| 30 | 150 | 100 | 5830R/8R02 | On App. | 5,200 | 5930R/8R02 | On App. | 6,066 |
| | 150 | | 5830R/8S02 | | 5,290 | 5930R/8S02 | | 6,150 |
| 36 | 150 | 100 | 5836R/8S02 | | 10,452 | 5936R/8S02 | | 12,192 |
| | 150 | | 5836R/8T02 | | | 5936R/8T02 | | |
| 42 | 100 | 50 | 5842R/8X02 | Contact Factory | | 5942R/8X02 | Contact Factory | |
| | 150 | 100 | 5842R/8Y02 | | | 5942R/8Y02 | | |
| | 150 | | 5842R/8Z02 | | | 5942R/8Z02 | | |
| 48 | 100 | 50 | 5848R/8Z02 | | | 5948R/8Z02 | | |
| | 150 | 100 | 5848R/8Z02 | | | 5948R/8Z02 | | |
| | 150 | | 5848R/8Z02 | | | 5948R/8Z02 | | |

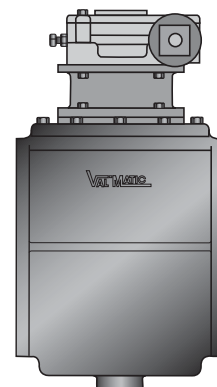
‡ 2 1/2 and larger.

Note: Mechanical Joint accessories not included.

Larger sizes and higher pressure ranges available upon request. Contact Factory for 100% Port and 3-Way pricing.



Threaded Plug Valve,
Lever Actuated



Plug Valve with
Worm Gear

OCWUT 00032



C USA
NSF/ANSI 372
Certified
Lead Free

Cam-Centric Plug Valves

Flanged, ANSI Class 125

4" - 12": 175 P.S.I. • 14" and larger: 150 P.S.I.



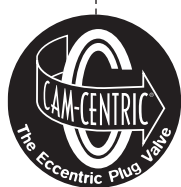
Materials of Construction

Cast Iron Body, Nickel Seat, Buna-N Plug, Vee Type Packing, Stainless Steel Bearings

| Plant Service (above ground) Flanged, Worm Gear Actuated Valves Options: Handwheel, 2" AWWA Nut, Chainwheel | | | | | | | | | |
|--|------------------------|---------|-----------------------|---------|-----------------------|---------|------------------------|---------|-----------------|
| Valve Size | Actuator Rating P.S.I. | | Model No. w/Handwheel | Price | Model No. w/ AWWA Nut | Price | Model No. w/Chainwheel | Price | Weight Lbs |
| | Direct | Reverse | | | | | | | |
| 4 | 175 | | 5804R/7A08 | \$1,075 | 5804R/7A02 | \$1,075 | 5804R/7A08C | \$1,197 | 104 |
| 6 | 175 | | 5806R/7A08 | 1,480 | 5806R/7A02 | 1,480 | 5806R/7A08C | 1,601 | 139 |
| 8 | 175 | 100 | 5808R/7A12 | 1,901 | 5808R/7A02 | 1,901 | 5808R/7A12C | 2,053 | 216 |
| | 175 | | 5808R/7B16 | 1,991 | 5808R/7B02 | 1,991 | 5808R/7B16C | 2,316 | 225 |
| 10 | 175 | 100 | 5810R/7C12 | 2,812 | 5810R/7C02 | 2,812 | 5810R/7C12C | 2,964 | 320 |
| | 175 | | 5810R/7D16 | 3,023 | 5810R/7D02 | 3,023 | 5810R/7D16C | 3,350 | 340 |
| 12 | 175 | 100 | 5812R/7C16 | 3,511 | 5812R/7C02 | 3,511 | 5812R/7C16C | 3,836 | 492 |
| | 175 | | 5812R/7D24 | 3,723 | 5812R/7D02 | 3,723 | 5812R/7D24C | 3,877 | 515 |
| 14 | 100 | 50 | 5814R/7E18 | 5,519 | 5814R/7E02 | 5,519 | 5814R/7E18C | 5,842 | 684 |
| | 150 | 100 | 5814R/7F24 | 6,038 | 5814R/7F02 | 6,038 | 5814R/7F24C | 6,871 | 710 |
| | 150 | | 5814R/7G12 | 6,167 | 5814R/7G02 | 6,167 | 5814R/7G12C | 7,016 | 724 |
| 16 | 100 | 50 | 5816R/7E24 | 6,942 | 5816R/7E02 | 6,942 | 5816R/7E24C | 7,779 | 877 |
| | 150 | 100 | 5816R/7F30 | 7,902 | 5816R/7F02 | 7,902 | 5816R/7F30C | 8,881 | 895 |
| | 150 | | 5816R/7G14 | 9,175 | 5816R/7G02 | 9,175 | 5816R/7G14C | 9,500 | 920 |
| 18 | 100 | 50 | 5818R/7J30 | 9,656 | 5818R/7J02 | 9,656 | 5818R/7J30C | 10,631 | 1,230 |
| | 150 | 100 | 5818R/7K18.5 | 10,638 | 5818R/7K02 | 10,638 | 5818R/7K18C | 10,964 | 1,252 |
| | 150 | | 5818R/7L24 | 12,051 | 5818R/7L02 | 12,051 | 5818R/7L24C | 13,028 | 1,278 |
| 20 | 100 | 50 | 5820R/7M18.5 | 12,960 | 5820R/7M02 | 12,960 | 5820R/7M18C | 13,287 | 1,560 |
| | 150 | 100 | 5820R/7N24.5 | 15,076 | 5820R/7N02 | 15,076 | 5820R/7N24C | 15,911 | 1,600 |
| | 150 | | 5820R/7P30.5 | 15,393 | 5820R/7P02 | 15,393 | 5820R/7P30C | 16,371 | 1,640 |
| 24 | 100 | 50 | 5824R/7M24.5 | 25,738 | 5824R/7M02 | 25,738 | 5824R/7M24C | 26,574 | 2,369 |
| | 150 | 100 | 5824R/7N30.5 | 26,345 | 5824R/7N02 | 26,345 | 5824R/7N30C | 27,322 | 2,411 |
| | 150 | | 5824R/7Q36 | 26,472 | 5824R/7Q02 | 26,472 | 5824R/7Q36C | 27,452 | 2,451 |
| 30 | 100 | 50 | 5830R/7R24 | On App. | 5830R/7R02 | On App. | 5830R/7R24C | On App. | 5,200 |
| | 150 | 100 | 5830R/7S30 | | 5830R/7S02 | | 5830R/7S30C | | 5,290 |
| | 150 | | 5830R/7T30 | | 5830R/7T02 | | 5830R/7T30C | | 5,338 |
| 36 | 100 | 50 | 5836R/7S30 | | 5836R/7S02 | | 5836R/7S30C | | 10,452 |
| | 150 | 100 | 5836R/7V24 | | 5836R/7V02 | | 5836R/7V24C | | Contact Factory |
| | 150 | | 5836R/7W36 | | 5836R/7W02 | | 5836R/7W36C | | |
| 42 | 100 | 50 | 5842R/7X30 | | 5842R/7X02 | | 5842R/7X30C | | |
| | 150 | 100 | 5842R/7Y36 | | 5842R/7Y02 | | 5842R/7Y36C | | |
| | 150 | | 5842R/7Z18 | | 5842R/7Z02 | | 5842R/7Z18C | | |
| 48 | 100 | 50 | 5848R/7Z30 | | 5848R/7Z02 | | 5848R/7Z30C | | |
| | 150 | 100 | 5848R/7Z30 | | 5848R/7Z02 | | 5848R/7Z30C | | |
| | 150 | | 5848R/7Z30 | | 5848R/7Z02 | | 5848R/7Z30C | | |

Larger sizes and higher pressure ranges available upon request. Contact Factory for 100% Port and 3-Way pricing.

OCWUT 00032

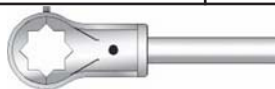


Cam-Centric® Plug Valves

Valve Accessories

| Stainless Steel Bolts* for Direct Nut Operated Valves | |
|--|-------|
| Valve Size | Price |
| 3" - 8" | \$10 |

| Standard Lever* Wrench Head with Handle for use with Direct Nut Operated Valves | |
|---|-------|
| Model No. | Price |
| 4L (For use with 3" & 4" valves) | \$69 |
| 8L (For use with 6" & 8" valves) | 86 |



| Stainless Steel Bolts* for Valves with Actuators | |
|---|---------|
| Valve Size | Price |
| 3" - 4" | \$26 |
| 6" - 10" | 34 |
| 12" | 46 |
| 14" - 16" | 139 |
| 18" | 211 |
| 20" | 283 |
| 24" | 310 |
| 30" - 48" | On App. |

| Tee Handles* | | |
|--------------|-----------|-------|
| Length (ft.) | Model No. | Price |
| 5 | 5TH1 | \$347 |
| 10 | 5TH2 | 384 |



Spare Parts Kits

| Seal / Bearing Kit | | | |
|--|------------|---|-----------------|
| Includes Bearings, Grit Seals, Thrust Bearings, V-Packing, Shims, Bolts and O-Ring | | | |
| Size | Model No. | Description | Price |
| 3 | SPK3-5803R | Seal/Bearing Kit for #5803R & #5903R Series | \$93 |
| 4 | SPK3-5804R | Seal/Bearing Kit for #5804R & #5904R Series | 110 |
| 6 | SPK3-5806R | Seal/Bearing Kit for #5806R & #5906R Series | 135 |
| 8 | SPK3-5808R | Seal/Bearing Kit for #5808R & #5908R Series | 163 |
| 10 | SPK3-5810R | Seal/Bearing Kit for #5810R & #5910R Series | 192 |
| 12 | SPK3-5812R | Seal/Bearing Kit for #5812R & #5912R Series | 246 |
| 14 | SPK3-5814R | Seal/Bearing Kit for #5814R & #5914R Series | 286 |
| 16 | SPK3-5816R | Seal/Bearing Kit for #5816R & #5916R Series | 290 |
| 18 | SPK3-5818R | Seal/Bearing Kit for #5818R & #5918R Series | 358 |
| 20 | SPK3-5820R | Seal/Bearing Kit for #5820R & #5920R Series | 383 |
| 24 | SPK3-5824R | Seal/Bearing Kit for #5824R & #5924R Series | 408 |
| 30 | SPK3-5830R | Seal/Bearing Kit for #5830R & #5930R Series | Contact Factory |
| 36 | SPK3-5836R | Seal/Bearing Kit for #5836R & #5936R Series | |
| 42 | SPK3-5842R | Seal/Bearing Kit for #5842R & #5942R Series | |
| 48 | SPK3-5848R | Seal/Bearing Kit for #5848R & #5948R Series | |

1. EXCLUSIVE TERMS.

Val-Matic (Seller) will sell the goods described in this document upon the Terms and Conditions set forth below, which are made a part of this Sale. Seller's offer to sell is expressly conditioned on the acceptance without change or additions by the Buyer of Seller's Terms of Sale set forth herein. Seller's acceptance of any offer from Buyer is expressly conditioned upon the Buyer agreeing to Seller's Terms of Sale included herein. Any different, conflicting or additional terms or conditions in the Buyer's documents or referenced therein are deemed material and are expressly objected to and rejected hereby. These Terms of Sale cannot be modified, canceled, rescinded or waived except by written agreement signed by Seller and Buyer. If Buyer uses its own purchase order, acceptance, acknowledgment, confirmation or other form, such form shall be used for convenience only, and shall evidence Buyer's unconditional agreement to these Terms of Sale. Any additional or different terms appearing or referenced in such forms are objected to and shall not be binding upon Seller. All Orders are subject to review and acceptance, or correction at the home office. Any Orders containing errors will be corrected by Seller and resubmitted to Buyer for its acceptance or refusal.

2. PRICES.

- (a) Prices are firm for a period of 30 days following the date of this Order.
- (b) Terms are net due 30 days from date of invoice unless alternate terms are mutually agreed upon by seller & buyer prior to order placement. Any invoices not paid when due shall be charged a delinquency charge of 1-1/2% of the outstanding balance per month.
- (c) Prices do not include any applicable governmental taxes or other charges. Buyer shall pay any such taxes or other charges, plus penalties and expenses, if any, upon receipt of an Invoice from Seller. In lieu of payment of such taxes, Buyer shall provide Seller with a tax exemption certificate acceptable to the taxing authority.
- (d) Unless otherwise stated in this Order, all prices are EXW (Seller's home office), As defined in Incoterms 2010 as adopted by the International Chamber of Commerce.
- (e) Goods not manufactured by Seller will be invoiced at prices stated in the Order, subject to increases should any of Seller's suppliers increase prices of such goods.
- (f) Buyer shall reimburse Seller for all costs and expenses, including attorneys' fees and court costs, incurred in collecting any amounts due.
- (g) Buyer grants Seller a security interest in the goods to secure payments due from Buyer to Seller. Upon written demand of Seller, Buyer agrees to sign a financing statement to evidence such security interest. Seller shall have all of the rights and duties of a Secured Party, and Buyer shall have all of the rights and duties of a Debtor under the Uniform Commercial Code - Secured Transactions of Illinois.

3. COMPLETION - DELIVERY.

- (a) The proposed delivery date and performance schedule stated herein are Seller's best estimate and are not binding on Seller.
- (b) Seller shall have no liability to Buyer or any third party for any loss, damage, or expense from any delay or failure of performance due to any cause beyond the reasonable control of Seller, including, but not limited to: fire or other casualty; strike or labor difficulty; accident; war conditions; government regulation or restriction; shortages in transportation, power, labor or material; freight embargo; riot or civil commotion; default of Seller's supplier; or prohibitions or events which render performance difficult or impossible.
- (c) Upon giving notice to Buyer of a delay in accordance with the Illinois Uniform Commercial Code, Seller shall allocate all goods produced by Seller among the existing customers of Seller in proportion to Orders then received.
- (d) If Buyer requests a delay or suspension in completion or shipment of any part of the goods for any reason, Seller shall make a reasonable determination of any cost or scheduling impact of such delay and all such costs shall be billed to Buyer. Any delay period beyond 30 days after the original scheduled shipment date shall require Buyer to (1) take title and risk of loss of such goods, and (2) make arrangements for storage of such goods with the Seller or other party. In such case, Seller's invoice, which is customarily issued on shipment, shall be issued upon Seller's readiness to ship the goods.

4. TITLE AND DELIVERY.

Delivery of goods to a carrier by Seller F.O.B. Seller's home office, consigned to Buyer or its order, as Buyer may direct, shall be complete delivery to Buyer as well as delivery to Buyer of title, ownership and possession of the goods. Buyer assumes risk of loss, damage or shortage in transit and shall be responsible for pursuing all claims with the carrier or carriers' insurer. Buyer shall provide Seller with written notice of any shortage, loss, or damage within five days of receipt of the goods.

5. SERVICES PERFORMED.

If Buyer has requested Seller to service or repair any machinery or equipment, Buyer shall provide a safe area of sufficient size for Seller's employees, agents or contractors to perform the services. Buyer shall be responsible for the safety of all persons on, about, or adjacent to such areas. Buyer shall furnish to Seller all necessary work tools, equipment and supplies.

6. COOPERATION, CHANGES OR CANCELLATIONS.

- (a) Buyer shall cooperate with Seller and furnish any specifications, drawings, or information requested by Seller within a reasonable time after such request. Seller and its agents and employees are not obligated to treat as confidential any disclosure made by Buyer in connection with this or any other transactions with Seller.
- (b) Buyer shall not countermand, cancel, or change this Order or cause the work or shipment to be delayed or stopped except with the consent of, and upon terms agreed to by Seller. If Buyer cancels this Order, Seller shall have the right to discontinue work on this Order and receive full reimbursement for all costs incurred plus a reasonable profit.

7. RETURNS.

Product can be returned up to one year after shipment. The product should be unused and in like new condition. Acceptance of product at the factory requires a Return Goods Authorization (RGA). The RGA Number must be marked on the shipping label. Standard product is subject to a minimum return charge of 30%. Special product will be evaluated based on resale and/or salvage value. Product returned for refurbishing will be evaluated upon receipt. A refurbish quotation will be provided for acceptance prior to refurbishing.

8. PERFORMANCE BY SELLER.

If any proceedings are filed by Buyer or against Buyer in bankruptcy or insolvency, or for appointment of a receiver or trustee, or if Buyer makes an assignment for the benefit of creditors, Seller shall have the right to discontinue work on this Order and receive full reimbursement for all costs incurred plus a reasonable profit. If Seller, in its sole discretion, has reasonable grounds for insecurity as to Buyer's payment or performance, it may refuse to perform until it receives adequate written assurances of Buyer's payment or performance.

9. INSTALLATION.

Unless otherwise stated in this Order, Buyer shall install all goods, and Seller shall not be responsible for installation.

10. WARRANTY.

For a period of one year from date of shipment, Seller warrants that the goods manufactured

its Terms the services performed by it under this Sale shall be free from defects in material and workmanship. Any goods sold that are not manufactured by Seller are warranted only to the extent Buyer may be able to enforce the warranty the manufacturer may make to Seller, but such goods are not warranted by Seller in any way.

NOTWITHSTANDING ANY PROVISION OF THIS OR ANY OF BUYER'S DOCUMENTS, THE WARRANTY CONTAINED IN THIS PARAGRAPH IS THE ONLY WARRANTY EXTENDED BY SELLER IN CONNECTION WITH ANY SALE BY IT AND IS EXTENDED TO BUYER ONLY AND NOT TO ANY SUCCESSIVE BUYERS, USERS, THIRD PARTIES, OR EMPLOYEES. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

11. REMEDIES.

Written notice of a breach of warranty or other provision shall be given by Buyer to Seller at Seller's home office, within 30 days after Buyer discovers such breach or should have discovered such breach using reasonable care. Seller's obligations upon breach of warranty or other provision shall be limited, at Seller's election, to the repair or replacement of goods or crediting to Buyer of an amount not to exceed the purchase price of the goods. If notice of a breach of warranty or other provision is given by Buyer, Seller shall only be obligated to repair, replace or credit the purchase price for goods which examination by Seller or its representatives shall disclose to be defective under ordinary and normal use. Seller shall not be liable for payment of any consequential, incidental, indirect, special or tort damages of any kind including, but not limited to, any loss of profits even if Seller has been informed of the potential for such damages. No allowance shall be made for any expenses incurred by Buyer in repairing defective parts or supplying any missing parts, except upon the written consent of Seller. If Seller agrees to replace or repair a defective part, Buyer shall have the responsibility and bear the cost for procuring and providing all necessary dismantling, reassembling and handling facilities, and for freight and insurance for shipment of goods or parts to and from Seller.

12. BUYER RESPONSIBILITY - INDEMNITY.

- (a) Buyer shall provide adequate and efficient safeguards, work handling tools and safety devices necessary to provide a safe work place and to protect fully all personnel from bodily injury or death which otherwise may result from the installation, use, operation, setup or maintenance of the goods. Buyer shall comply with the Occupational Safety and Health Act, its regulations, and all other applicable federal, state and local codes and industry-accepted standards. Seller shall not be liable for the failure of Buyer to order, install, or use safeguards, work handling tools or safety devices. Buyer shall establish and require all persons who use, operate, setup or maintain the goods to use all proper safe operating procedures, including, but not limited to, procedures set forth in any manuals or instruction sheets relating to the goods. Buyer shall not remove or modify any devices, warning signs or manuals furnished with or installed upon or attached to the goods.
- (b) Buyer releases all claims and actions (including, but not limited to, any actions for injury to or death of any person or damage to property, and actions for indemnity or contribution) arising out of the manufacture, sale, use or operation of the goods which Buyer may have at any time against Seller, its agents or employees. Buyer shall indemnify and hold harmless Seller, its agents and employees from any loss, damage, expense (including reasonable attorneys' fees), claims, suits, judgment, or liabilities by reason of any injury to or death of any person or damage to any property, arising out of (1) any claimed or actual breach by Buyer of Buyer's obligations under paragraph 12 (b) or (2) any acts primarily attributable to the conduct of Buyer, its employees or agents, including, but not limited to, negligent or reckless conduct, maintenance of the goods, additions to or modification of the goods, or use of the goods in an inappropriate manner.
- (c) Buyer shall notify Seller in writing, within 10 days after its occurrence, of any accident or malfunction involving any goods which result in injury to or death of persons, including Buyer's agents and employees, or damage to property, including Buyer's property, or the loss of its use. Buyer shall cooperate fully with Seller in investigating and determining the cause of any such accident or malfunction. It is agreed that failure to provide the required notice is very prejudicial to Seller, its investigation and defense and such failure to promptly notify shall release Seller of all obligations to Buyer arising from the occurrence.

13. PATENTS.

- (a) Seller will defend and save Buyer harmless from and against any loss or expense caused by any claimed infringement of any United States patent arising out of the purchase, sale or use of goods designed and manufactured by Seller so long as Buyer gives Seller prompt, written notice of any such claim of infringement and complete authority to direct its defense. Buyer releases any claim Buyer may have at any time against Seller for consequential damages or loss of profits to Buyer resulting from any suit regarding the use of the goods. Buyer shall give Seller such reasonable assistance in defense of any claimed infringement as it shall be able to give and shall not charge Seller for the cost of such assistance. If any part of the goods designed and manufactured by Seller are held to infringe any United States patent, and the use of the goods is enjoined, Seller shall, at its own expense, in lieu of all other liability, either procure for Buyer the right to continue using the goods, replace them with noninfringing goods, modify the goods so to become noninfringing, or return the purchase price. Seller's liability under this section shall be limited to the purchase price and the transportation and installation costs of the goods. Seller grants no license, express or implied, other than the right of Buyer to use the goods in the form delivered by Seller.
- (b) Buyer will defend, protect, and save Seller harmless from and against any loss or expense incident to any claimed infringement of any United States patent arising out of the manufacture, service or sale of goods which are manufactured or serviced by Seller, but which are designed by Buyer, its employees, or agents.

14. GENERAL.

- (a) This Order shall be construed in accordance with the laws of the State of Illinois.
- (b) This Order shall insure to the benefit of, and be binding upon the successors and assigns of Seller and Buyer. Buyer shall not assign this Order without the written consent of Seller.
- (c) Any action or suit against Seller arising in any way from this document or with respect to the goods must be commenced within one year after the cause of action has accrued.
- (d) The invalidity of any part of this document shall not invalidate any other part and, except for such invalid part, the rest of this document shall remain effective.
- (e) All previous verbal and written communications of Seller and Buyer for the sale of goods described in this document are canceled. Seller and Buyer agree that there are no other agreements or warranties, except as contained in this document, which is the final, complete and exclusive expression of the agreement of Seller and Buyer.
- (f) No waiver of performance required by Buyer shall be valid unless in writing signed by a duly authorized officer of Seller. No waiver of a specific action shall be construed as a waiver of future performance.
- (g) Note these commodities are licensed by the United States for Ultimate Destination. Diversion contrary to United States law is prohibited.
- (h) We hereby certify that these goods were produced and/or services rendered in compliance with all applicable requirements of sections 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of regulations and others of the United States Department of Labor issued under section 14 thereof.

CORE & MAIN LP

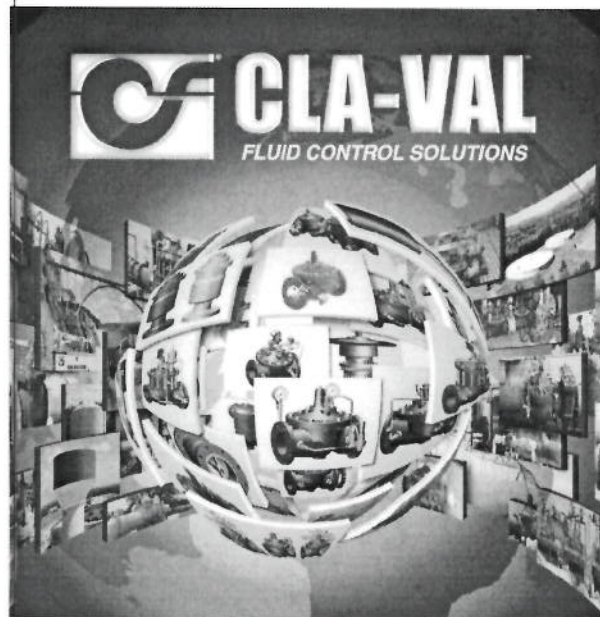
Item: **Group 4: Mechanical Joint Valves:Group 4: Mechanical Joint Valves:Group 4: Mechanical Joint Valves:Cla-val Altitude Valves**

Attachments

Cla Val Price Sheet 2016 1 1.pdf

O
C
W
U
T
0
0
0
3
2

2016 GENERAL PRICE SHEETS



O
C
W
U
T
0
0
0
3
2

Specify • Optimize • Retrofit

Enhancements Pricing



Ordering Tips

UNLESS OTHERWISE SPECIFIED PRICING IS BASED ON:

- Globe or angle pattern are the same price
- Ductile iron body and bronze trim are standard
- Diaphragm and Disc material Buna-N rubber standard
- X43 "Y" Strainer is included 4" and larger (6" and larger on 600 Series)
- X46 Flow Clean Strainer is included 3" and smaller (4" and smaller on 600 Series)
- CK2 Isolation Valves are included in price on 4" and larger valve sizes (6" and larger on 600 Series)
- Pilot system materials are Bronze with Stainless trim and Copper tubing, Bronze fittings.
- Optional materials available please consult factory.

SPECIFY WHEN ORDERING

- Model Number
- Valve Size
- Globe or Angle Pattern
- Threaded or Flanged
- Pressure Class
- Body and Trim Materials
- Optional Features
- Adjustment Range (applicable)

Optional Features and Price Adders

OPTIONAL BODY AND TRIM MATERIALS

The prices for the valve assemblies in this price list are generally based on standard ductile iron, bronze trim valves. Price adders are included for optional body and trim materials for 100-01 and 100-20 (600 Series) main valves. (see pages 6 - 8)

OPTIONAL FEATURES

There are several optional features available on Cla-Val equipment. These features must be included as suffix letters after the valve model number.

Example: 2" 90-01ASKO

2" 90-01 = standard model
A = flow clean strainer
S = opening speed control
KC = epoxy coating

Listed below are the options available, their suffix letters and additional cost, if any.

| Suffix | | Price Adder |
|--------|-----------------------------------|-----------------|
| A | X46 Flow Clean Strainer | \$ 63 |
| Y | X43 "Y" Pattern Strainer | none* |
| B | CK2 Isolation Valves | \$ 190 |
| F | Independent Operating Pressure | none |
| C | CV Closing Speed Control | \$ 207 |
| D | Check Valves with Isolation valve | \$ 276 |
| H | Atmospheric Drain | none |
| S | CV Opening Speed Control | \$ 207 |
| KC | Epoxy Coating | see Page 8 |
| KD | Dura-Kleen® Stem | see Page 7 or 8 |
| KE | Motorized Pilot Valves | Consult Factory |
| KG | Delrin Stem Sleeves | see Page 7 or 8 |
| KO | Anti-Cavitation Hytrol Valve | see Page 7 |
| KR | Reverse Flow (main valve) | none |
| KB | Viton Rubber Parts | see Page 7 |
| | Silicone Free | \$ 195 |

* Select only one Strainer Option when two are shown, if both are desired add \$52 to list price of the valve.

Suggested Price List - Excerpt
Effective April 1, 2016

Quality Control Documentation Net Adders (Net Pricing Not Subject to Discount - each valve)

All valves are tested to Cla-Val quality standards without charge.
Standard Test Reports - \$ 75.00 net each valve,

| Special Hydrostatic Testing | Epoxy Coating Holiday Testing: |
|-----------------------------|--------------------------------|
| 3" & smaller \$ 107.00 | 3" & smaller \$ 107.00 |
| 4" & 6" 159.00 | 4" & 6" 159.00 |
| 8" 265.00 | 8" 265.00 |
| 10" 319.00 | 10" 319.00 |
| 12" 372.00 | 12" 372.00 |
| 14" & 16" 424.00 | 14" & 16" 424.00 |
| 20" & 24" 584.00 | 20" & 24" 584.00 |

Mill Test Report (material Certification) Consult Factory.
Certificate of Conformance issued upon request with order at no charge. Certificate of Conformance may include cure date and set point certification at no charge. Must be specified with request.

USING PRICE ADDERS to determine the price of any model valve assembly with optional materials; simply add the appropriate price adder to the price of the assembly. If more than one option is selected add all adders.

Example: 6" 90-01 with KO Trim, Epoxy Coating, Check Feature, Stainless Steel Tubing & Fittings

| | | |
|--------------------------------|-------------|------|
| 6" 90-01BY | List Price | 3676 |
| KO Anti-Cavitation Trim | Price Adder | 2364 |
| KC Epoxy Coating | Price Adder | 338 |
| "D" Check with Isolation Valve | Price Adder | 276 |

Total List Price for 6" 90-01BDYKCKO \$ 6654

IMPORTANT NOTE

Price adder for optional materials should only be used on catalog models which use 100-01 main valves; or in the case of 600 Series, 100-20 main valves. Unless otherwise specified, all catalog models listed in this price list use 100-01 main valves, 600 Series valves use 100-20 main valves except where noted.

LIMITED WARRANTY

Automatic valves and controls manufactured by Cla-Val are warranted for three* years from date of shipment against manufacturing defects in material and workmanship that develop in the service for which they are designed, provided the products are installed and used in accordance with all applicable instructions and limitations issued by Cla-Val. Electronic components manufactured by Cla-Val are warranted for one year from the date of shipment.

We will repair or replace defective material, free of charge, which is returned to our factory, transportation charges prepaid, provided that, after inspection, the material is found to have been defective at time of shipment. This warranty is expressly conditioned on the purchaser's giving Cla-Val immediate written notice upon discovery of the defect.

Components used by Cla-Val but manufactured by others, are warranted only to the extent of that manufacturer's guarantee.

This warranty shall not apply if the product has been altered or repaired by others, and Cla-Val shall make no allowance or credit for such repairs or alterations unless authorized in writing by Cla-Val.

*100-42 and 700 Series Valves are warranted for one year.

TERMS OF SALE**ACCEPTANCE OF ORDERS**

All orders are subject to acceptance by our main office at Newport Beach, California or Beamsville, Ontario in Canada.

CREDIT TERMS

Credit terms are net thirty (30) days from date of invoice.

PURCHASE ORDER FORMS

Orders submitted on customer's own purchase order forms will be accepted only with the express understanding that no statements, clauses, or conditions contained in said order form will be binding on Seller if they in any way modify the Seller's own terms and conditions of sales.

PRODUCT CHANGES

The right is reserved to make changes in pattern, design or materials when deemed necessary, without prior notice.

PRICES

All prices are F.O.B. Newport Beach, California or Beamsville Ontario unless expressly stated otherwise on our acknowledgement of the order. Prices are subject to change without notice. The prices at which any order is accepted are subject to adjustment to the Seller's price in effect at the time of shipment. Prices do not include sales, excise, municipal, state or any other Government taxes.

**MINIMUM NET ORDER
CHARGE \$100.00****RESPONSIBILITY**

We will not be responsible for delays resulting from strikes, accidents, negligence of carriers, or other causes beyond our control. Also, we will not be liable for any unauthorized product alterations or charges accruing therefrom.

EXPEDITE POLICY

Certain orders are available for expediting with a fee. Contact your Representative for details.

DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITY

The foregoing warranty is exclusive and in lieu of all other warranties and representations, whether expressed, implied, oral or written, including but not limited to any implied warranties of merchantability or fitness for a particular purpose. All such other warranties and representations are hereby cancelled.

Cla-Val shall not be liable for any incidental or consequential loss, damage or expense arising directly or indirectly from the use of the product. Cla-Val shall not be liable for any damages or charges for labor or expense in making repairs or adjustments to the product. All damages or short shipment must be reported within seven (7) days of receipt. Cla-Val shall not be liable for any damages or charges sustained in the adaptation or use of its engineering data and services. No representative of Cla-Val may change any of the foregoing or assume any additional liability or responsibility in connection with the product. The liability of Cla-Val is limited to material replacements F.O.B. Newport Beach, California.

RISK

All goods are shipped at the risk of the purchaser after they have been delivered by us to the carrier. Claims for error, shortages, etc., must be reported within seven (7) days of receipt.

EXPORT SHIPMENTS

Export shipments are subject to an additional charge for export packing.

RETURNED GOODS

1. Customers must obtain written approval from Cla-Val prior to returning any material.
2. Cla-Val reserves the right to refuse the return of any products.
3. Products more than six (6) months old cannot be returned for credit.
4. Specially produced, non-standard models cannot be returned for credit.
5. Rubber goods such as diaphragms, discs, o-rings, etc., cannot be returned for credit, unless as part of an unopened vacuum sealed repair kit which is less than six months old.
6. Goods authorized for return are subject to a 35% (\$100 minimum) restocking charge and a service charge for inspection, reconditioning, replacement of rubber parts, retesting, repainting and repackaging as required.
7. Authorized returned goods must be packaged and shipped prepaid to:

USA:

Cla-Val
1701 Placentia Avenue
Costa Mesa, California 92627

Canada:

4687 Christie Drive
Beamsville, Ontario
Canada L0R 1B4

CANCELLATION CHARGE

Orders that have been processed are subject to a cancellation charge of 35% (\$100 minimum). Specially produced, non-standard models cannot be cancelled.

FULL PORT VALVE ADDERS

Add these prices to the model number price
to come up with a complete list price

| SIZES | OPTION CODE | 1 | 1.25 | 1.5 | 2 | 2.5 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 thru 36 |
|---|--|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|---------------|
| X46 FLOW CLEAN STRAINER | A | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | †CF |
| CK2 ISOLATION VALVE | B | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | †CF |
| CK2 SST w/ BRZ TUBE/FITTING | | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | †CF |
| CV CLOSING SPEED CONTROL | C | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | †CF |
| CV OPENING SPEED CONTROL | S | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | †CF |
| CHECK VALVE WITH ISOLATION VALVE | D | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | †CF |
| EPOXY COATING (INTERIOR & EXTERIOR COATED) | KC | 201 | 201 | 201 | 222 | 222 | 222 | 250 | 339 | 416 | 475 | 769 | 1065 | 1065 | †CF |
| DURA-KLEEN® STEM | KD | †CF | 149 | 149 | 200 | 220 | 249 | 262 | 287 | 300 | 325 | 695 | 3230 | 3580 | †CF |
| DELRI® SLEEVE STEM | KG | †CF | †CF | 152 | 208 | 226 | 251 | 260 | 285 | 315 | 375 | 710 | 3242 | 3610 | †CF |
| ANTI-CAVITATION TRIM | KO | †CF | †CF | 727 | 812 | 914 | 954 | 1642 | 2364 | 4349 | 6325 | 10835 | 19000 | 20692 | †CF |
| VITON™ RUBBER PARTS | KB | 186 | 186 | 186 | 195 | 195 | 340 | 458 | 1004 | 4096 | 4891 | †CF | †CF | †CF | †CF |
| SILICONE FREE ELASTOMERS | SILICONE FREE | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 | †CF |
| POSITION INDICATOR | V | 141 | 141 | 141 | 141 | 141 | 141 | 147 | 147 | 183 | 220 | 224 | 267 | 499 | †CF |
| UL POSITION INDICATOR | X101C | †CF | †CF | 285 | 311 | 311 | 311 | 311 | 311 | 341 | 370 | 401 | 434 | 559 | †CF |
| LIMIT SWITCH ASSEMBLY WEATHER - PROOF SINGLE SWITCH | X105LCW | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | †CF |
| LIMIT SWITCH ASSEMBLY WEATHER - PROOF DUAL SWITCH | X105L2W | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | †CF |
| LIMIT SWITCH ASSEMBLY EXPLOSION - PROOF SINGLE SWITCH | X105LCX | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | †CF |
| LIMIT SWITCH ASSEMBLY EXPLOSION - PROOF DUAL SWITCH | X105L2X | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | †CF |
| VALVE POSITION TRANSMITTER | X117C | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | †CF |
| VALVE POSITION TRANSMITTER | X117D | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | †CF |
| LOCKING SECURITY CAP - SMALL & LARGE & CV CAP | X140-† | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | †CF |
| GAUGE (2-1/2" SIZE 1"-6" VALVE SIZES) (4" SIZE 8"-36" VALVE SIZES) Ranges: 0-60 psi, 0-100 psi, 0-160 psi (2.5" only), 0-200 psi, 0-300, 0-400 psi | P | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 100 | 100 | 100 | 100 | 100 | †CF |
| STAINLESS STEEL TUBING & FITTING ** | Stainless Steel Tubing and Fitting | 417 | 417 | 417 | 417 | 417 | 417 | 417 | 417 | 501 | 501 | 501 | 501 | 501 | †CF |
| STAINLESS STEEL TRIM: 100-01 HYTROL AND 100-02 POWERROL VALVES | Stainless Steel Trim | 109 | 136 | 136 | 155 | 187 | 187 | 213 | 517 | 743 | 1302 | 1777 | 2824 | 3197 | †CF |

NOTE: "F" INDEPENDENT OPERATING PRESSURE, "H" ATMOSPHERIC DRAIN, "Y" PATTERN STRAINER AND "KR" REVERSE FLOW ARE NO CHARGE ADDERS. † Consult Factory
** 1.25-6 inch "D" feature is an additional \$195. 8-16 inch "D" feature is an additional \$278. 18 inch and larger Consult Factory.

** To determine list price of valve with optional materials, add these prices to list price of valve assembly desired. Consult factory for prices of individual replacement parts.

REDUCED PORT VALVE ADDERS

Add these prices to the model number price
to come up with a complete list price

| SIZES | OPTION CODE | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 30 | 36 | 42 | 48 |
|---|------------------------------------|------|------|------|------|------|------|------|-------|------|------|------|-----|-----|-----|-----|
| X46 FLOW CLEAN STRAINER | A | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | †CF | †CF | †CF | †CF |
| CK2 ISOLATION VALVE | B | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | †CF | †CF | †CF | †CF |
| CK2 SST W/ BRZ TUBE/FITTING | | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | 284 | †CF | †CF | †CF | †CF |
| CV CLOSING SPEED CONTROL | C | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | †CF | †CF | †CF | †CF |
| CV OPENING SPEED CONTROL | S | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | 207 | †CF | †CF | †CF | †CF |
| CHECK VALVE WITH ISOLATION VALVE | D | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | †CF | †CF | †CF | †CF |
| EPOXY COATING (INTERIOR & EXTERIOR COATED) | KC | 218 | 245 | 332 | 408 | 466 | 754 | 1044 | 1044 | 1044 | 1143 | †CF | †CF | †CF | †CF | †CF |
| DURA-KLEEN® STEM | KD | 200 | 249 | 262 | 287 | 300 | 325 | 695 | 3230 | 3580 | 3580 | 3580 | †CF | †CF | †CF | †CF |
| DELRI® SLEEVE STEM | KG | 208 | 251 | 260 | 285 | 315 | 375 | 208 | 3242 | 3610 | 3610 | 3610 | †CF | †CF | †CF | †CF |
| ANTI-CAVITATION TRIM | KO | 812 | 954 | 1642 | 2364 | 4348 | 6325 | †CF | 10835 | †CF | †CF | †CF | †CF | †CF | †CF | †CF |
| VITON™ RUBBER PARTS | KB | 185 | 340 | 458 | 1004 | 4096 | †CF | †CF | †CF | †CF | †CF | †CF | †CF | †CF | †CF | †CF |
| SILICONE FREE ELASTOMERS | SILICONE FREE | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 | †CF | †CF | †CF | †CF | †CF | †CF |
| POSITION INDICATOR | V | 141 | 141 | 147 | 147 | 183 | 220 | 224 | 267 | 499 | †CF | †CF | †CF | †CF | †CF | †CF |
| UL POSITION INDICATOR | X101C | 311 | 311 | 311 | 311 | 341 | 370 | 401 | 434 | †CF | †CF | †CF | †CF | †CF | †CF | †CF |
| LIMIT SWITCH ASSEMBLY WEATHER - PROOF SINGLE SWITCH | X105LCW | 595 | 595 | 595 | 595 | 595 | 595 | 595 | 595 | †CF | †CF | †CF | †CF | †CF | †CF | †CF |
| LIMIT SWITCH ASSEMBLY WEATHER - PROOF DUAL SWITCH | X105L2W | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | †CF | †CF | †CF | †CF | †CF | †CF | †CF |
| LIMIT SWITCH ASSEMBLY EXPLOSION PROOF SINGLE SWITCH | X105LCX | 865 | 865 | 865 | 865 | 865 | 865 | 865 | 865 | †CF | †CF | †CF | †CF | †CF | †CF | †CF |
| LIMIT SWITCH ASSEMBLY EXPLOSION PROOF DUAL SWITCH | X105L2X | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | 1363 | †CF | †CF | †CF | †CF | †CF | †CF | †CF |
| VALVE POSITION TRANSMITTER | X117C | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | 2319 | †CF | †CF | †CF | †CF | †CF | †CF | †CF |
| VALVE POSITION TRANSMITTER | X117D | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | 3149 | †CF | †CF | †CF | †CF | †CF | †CF | †CF |
| LOCKING SECURITY CAP - SMALL & LARGE & CV CAP | X140-1 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | †CF | †CF |
| GAUGE (2-1/2" SIZE 3"-6" VALVE SIZES) (4" SIZE 8"-36" VALVE SIZES) Ranges: 0-60 psi, 0-100 psi, 0-160 psi (2-5" only), 0-200 psi, 0-300, 0-400 psi | P | 82 | 82 | 93 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | †CF | †CF |
| STAINLESS STEEL TUBING & FITTING ** | Stainless Steel Tubing and Fitting | 409 | 409 | 409 | 491 | 491 | 491 | 491 | 491 | †CF | †CF | †CF | †CF | †CF | †CF | †CF |
| STAINLESS STEEL TRIM: 100-20 HYDROL AND 100-21 POWERTRON VALVES | Stainless Steel Trim | 152 | 183 | 209 | 507 | 728 | 1233 | 1276 | 1742 | 3134 | 3134 | 3431 | †CF | †CF | †CF | †CF |

NOTE: "F" INDEPENDENT OPERATING PRESSURE, "H" ATMOSPHERIC DRAIN, "Y" PATTERN STRAINER AND "KR" REVERSE FLOW ARE NO CHARGE ADDERS. † Consult Factory
** 3-8 inch "D" feature is an additional \$101. 10-16 inch "D" feature is an additional \$273. 16 inch and larger Consult Factory.

** To determine list price of valve with optional materials, add these prices to list price of valve assembly desired. Consult factory for prices of individual replacement parts.

Full Port Valves

| 100-01 Hytrol Valve | | | | |
|--------------------------------|--------------------|-------------------|-------------------|-------|
| Bronze Body, Bronze Trim | | | | |
| Size | Threaded 300 Lb | | | Wt/Lb |
| 3/8 | \$ 210 | | | 2 |
| 1/2 | 239 | | | 3 |
| 3/4 | 254 | | | 3 |
| Ductile Iron Body, Bronze Trim | | | | |
| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
| 1† | \$ 260 | \$ --- | \$ --- | 12 |
| 1 | 518 | --- | --- | 12 |
| 1 1/4 | 552 | 651 | --- | 17 |
| 1 1/2 | 559 | 669 | --- | 20 |
| 2 | 583 | 738 | 811 | 35 |
| 2 1/2 | 878 | 896 | 1117 | 50 |
| 3 | 906 | 1020 | 1135 | 70 |
| 4 | | 1817 | 1999 | 140 |
| 6 | | 2965 | 3261 | 285 |
| 8 | | 5456 | 6002 | 500 |
| 10 | | 7936 | 8731 | 780 |
| 12 | | 13596 | 14190 | 1165 |
| 14 | | 24330 | 26309 | 1600 |
| 16 | | 25959 | 27258 | 2265 |
| 18 | | Consult | Factory | 3800 |
| 20 | | Consult | Factory | 4200 |
| 24 | | Consult | Factory | 6200 |
| 30 | | Consult | Factory | 7703 |
| 36 | | Consult | Factory | 11470 |

† Non-Guided

| 100-02 Powertrol Valve | | | | |
|--------------------------------|--------------------|-------------------|-------------------|-------|
| Bronze Body, Bronze Trim | | | | |
| Size | Threaded 300 Lb | | | Wt/Lb |
| 1/2 | \$ 452 | | | 3 |
| 3/4 | 461 | | | 3 |
| Ductile Iron Body, Bronze Trim | | | | |
| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
| 1 | CF* | \$ --- | \$ --- | 15 |
| 1 1/4 | CF* | --- | --- | 22 |
| 1 1/2 | CF* | --- | --- | 25 |
| 2 | 2588 | 2736 | 3089 | 40 |
| 2 1/2 | 2605 | 2837 | 3294 | 65 |
| 3 | 2613 | 2853 | 3317 | 95 |
| 4 | | 3250 | 3932 | 190 |
| 6 | | 5078 | 5786 | 320 |
| 8 | | 8434 | 9048 | 650 |
| 10 | | 13984 | 15808 | 940 |
| 12 | | 20537 | 22059 | 1675 |
| 14 | | 32497 | 33609 | 2460 |
| 16 | | 36577 | 40908 | 3100 |
| 18 | | CF* | CF* | 3955 |
| 20 | | CF* | CF* | 5100 |
| 24 | | CF* | CF* | 8150 |

*Consult Factory

| 100-01 Grooved End Hytrol Valve Globe Pattern | | | | |
|--|--|--|-------------------|-------|
| Ductile Iron Body, Bronze Trim | | | | |
| Size | | | Grooved 300 Lb | Wt/Lb |
| 1 1/2 | | | CF* | 25 |
| 2** | | | 775 | 35 |
| 2 1/2 | | | 1004 | 45 |
| 3** | | | 1089 | 70 |
| 4** | | | 1906 | 140 |
| 6 | | | 3092 | 285 |
| 8 | | | 5702 | 500 |

**Angle Pattern Available, Consult Factory for Pricing.

*Consult Factory

| 100-46 Full Port 316 Stainless Steel Hytrol Valve | | | | |
|--|--|-------------------|-------------------|-------|
| Stainless Steel Body and Trim | | | | |
| Size | | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
| 1 1/2 | | \$ 2051 | \$ 2185 | 25 |
| 2 | | 2785 | 2913 | 35 |
| 2 1/2 | | 3021 | 3268 | 55 |
| 3 | | 3505 | 3781 | 75 |
| 4 | | 4383 | 4669 | 160 |
| 6 | | 7627 | 7872 | 290 |
| 8 | | 13315 | 14715 | 575 |
| 10 | | 23125 | 24765 | 830 |
| 12 | | 35520 | 37570 | 1300 |

| 100-03 Powercheck Valve | | | | |
|--------------------------------|--------------------|-------------------|-------------------|-------|
| Ductile Iron Body, Bronze Trim | | | | |
| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
| 2 1/2 | \$ 2993 | \$ 3211 | \$ 3661 | 65 |
| 3 | 2986 | 3227 | 3685 | 95 |
| 4 | | 4038 | 4722 | 190 |
| 6 | | 5392 | 5698 | 320 |
| 8 | | 8530 | 9115 | 650 |
| 10 | | 11699 | 14161 | 940 |
| 12 | | 20200 | 21437 | 1675 |
| 14 | | 34160 | 36615 | 2460 |
| 16 | | 39454 | 42388 | 3100 |

| 100-04 Hy-Check Valve | | | | |
|--------------------------------|--------------------|-------------------|-------------------|-------|
| Ductile Iron Body, Bronze Trim | | | | |
| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
| 2 | \$ --- | \$ 1762 | \$ 1889 | 45 |
| 3 | --- | 2068 | 2344 | 90 |
| 4 | --- | 2414 | 2678 | 140 |
| 6 | --- | 3802 | 4492 | 285 |
| 8 | --- | 6739 | 7760 | 500 |
| 10 | --- | 11392 | 12020 | 780 |
| 12 | --- | 14970 | 16043 | 1165 |
| 14 | --- | *CF | *CF | 1600 |
| 16 | --- | 33704 | 34034 | 2265 |

*Consult Factory

Reduced Port Valves

100-20 Reduced Port Hytrol Valve

Used in 600 Series Valves

Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|-------------------|-------------------|-------|
| 3 | \$ 932 | Consult Factory | 50 |
| 4* | 1508 | Consult Factory | 80 |
| 6* | 2109 | Consult Factory | 170 |
| 8* | 3411 | Consult Factory | 270 |
| 10 | 6035 | Consult Factory | 430 |
| 12 | 10767 | Consult Factory | 770 |
| 14* | 17728 | Consult Factory | 850 |
| 16 | 18322 | Consult Factory | 1200 |
| 18* | 31144 | Consult Factory | 1425 |
| 20 | 34299 | Consult Factory | 2700 |
| 24 | 41927 | Consult Factory | 2900 |
| 30 | | Consult Factory | 6500 |
| 36 | | Consult Factory | 8545 |
| 42 | | Consult Factory | 12450 |
| 48 | | Consult Factory | 13100 |

*4", 6", 8", 14", 18" available in angle pattern 150 & 300 Lbs consult factory for price.

For price adder's of optional materials consult factory

100-44 Reduced Port 316 Stainless Steel Hytrol Valve

Stainless Steel Body and Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|-------|-------------------|-------------------|-------|
| 2 | \$ 1988 | \$ 2185 | 25 |
| 2-1/2 | 3119 | 3434 | 40 |
| 3 | 3119 | 3434 | 40 |
| 4 | 4571 | 5027 | 75 |
| 6 | 6228 | 6848 | 160 |
| 8 | 10944 | 11929 | 290 |
| 10 | 15439 | 16866 | 419 |
| 12 | 26210 | 27810 | 728 |

100-42 Roll Seal Valve

Used in 700 Series Valves - 316L stainless steel body and natural rubber liner as standard

| Size | Wafer/Flanged 125/150 Lb. | Wafer/Flanged 250/300 Lb. | Grooved 300 psi MOP | No Bolts or Flanges | Wt/ 150 Lb. | Wt/ 300 Lb. |
|------|------------------------------|------------------------------|------------------------|------------------------|----------------|----------------|
| 2 | \$ 845 | \$ 857 | \$ --- | \$ 829 | 4 | 4 |
| 3 | 1178 | 1225 | --- | 1164 | 8 | 8 |
| 4 | 2072 | 2110 | --- | 2027 | 14 | 14 |
| 6 | 3389 | 4042 | --- | 2793 | 58 | 87 |
| 8 | 6228 | 6777 | --- | 5190 | 115 | 155 |
| 10 | 12523 | 13268 | --- | 7857 | 190 | 250 |
| 12 | 15531 | 17018 | --- | 13661 | 290 | 375 |

Note:

2", 3", 4" size valves are wafer style, supplied with bolt kits as standard

6" thru 12" valves are supplied with slip-on style flanges as standard

Grooved Options

Grooved inlet/outlet (previous reference: -VT)

Grooved inlet/150 Lb flange outlet (previous reference: -VT1)

150 Lb flange inlet/Victaulic® outlet (previous reference: -VT2)

Rating: 300 psi maximum

Flanged Options:

150Lb/150Lb, 150Lb/300Lb*, 300Lb/150Lb*, 300Lb/300Lb * Consult factory for pricing.

Rating: 720 psi maximum

For price adder's of optional materials, please consult factory

Optional Liner Materials:

Viton, EPDM, Nitrile, Silicone (for other materials, please consult factory)

Roll Seal Valve Liner - Price Adder

| Size | Liner N7, E7, S7 | Liner V7 |
|------|---------------------|-------------|
| 2 | \$ 44 | \$ 84 |
| 3 | 80 | 135 |
| 4 | 104 | 182 |
| 6 | 217 | 389 |
| 8 | 490 | --- |
| 10 | 714 | --- |
| 12 | 1092 | --- |

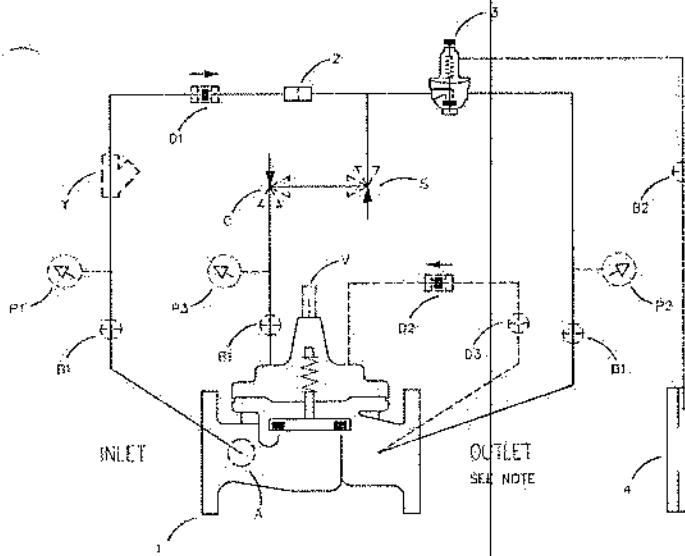
Note:

N7 - Nitrile

E7 - Ethylene Propylene

S7 - Silicone

V7 - Viton™

**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 X58C Restriction Fitting
- 3 CDHS18 Differential Control
- 4 X52E Orifice Plate Assembly

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 Valve (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with Isolation Valve
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

40-01 Rate of Flow Control Valve

Uses 100-01 Hytrol Valve
Includes Orifice Plate Assembly

40-01A Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|-------------------|-------------------|--------------------|-------|
| 1-1/2 | \$ 2332 | \$ --- | 725 | 70 |
| 2 | 2404 | 2477 | 725 | 85 |
| 2-1/2 | 3063 | 3286 | 725 | 100 |
| 3 | 3165 | 3370 | 725 | 120 |

40-01BY Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | SST T&B | Wt/Lb |
|------|-------------------|-------------------|---------|-------|
| 4 | \$ 3675 | \$ 4052 | 1050 | 210 |
| 6 | 5179 | 5475 | 1050 | 395 |
| 8 | 7815 | 8360 | 1115 | 640 |
| 10 | 10774 | 11567 | 1115 | 980 |
| 12 | 15837 | 16434 | 1115 | 1465 |
| 14 | 26754 | 28736 | 1115 | 2000 |
| 16 | 28803 | 30428 | 1115 | 2700 |

18, 20, 24, 30, 36

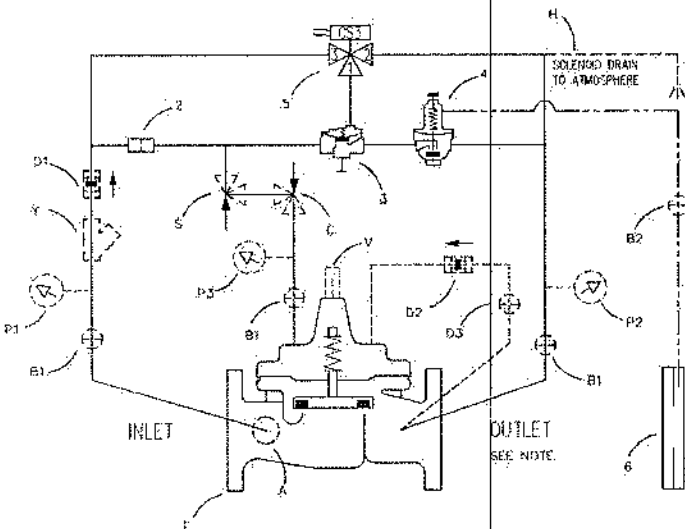
Consult Factory

Optional Features: See Page 3

Specify minimum, normal, maximum GPM

Available with electronic actuated control. See Model 340-02

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 X58C Restriction Fitting
- 3 100-01 Hytrol (Reverse Flow)
- 4 CDHS18 Differential Control
- 5 CS3 Solenoid Control
- 6 X52E Orifice Plate Assembly

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 Valve (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with Isolation Valve
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

43-01 Rate of Flow Control Valve**& Solenoid Shut-Off Valve**

Uses 100-01 Hytrol Valve Includes Orifice Plate Assembly

43-01A Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|-------------------|-------------------|--------------------|-------|
| 1-1/2 | \$ 2823 | \$ --- | 950 | 70 |
| 2 | 2897 | 2970 | 950 | 85 |
| 2-1/2 | 3557 | 3779 | 950 | 100 |
| 3 | 3657 | 3762 | 950 | 120 |

43-01BY Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | SST T&B | Wt/Lb |
|------|-------------------|-------------------|---------|-------|
| 4 | \$ 4379 | \$ 4560 | 1315 | 210 |
| 6 | 5680 | 5978 | 1315 | 395 |
| 8 | 8320 | 8865 | 1315 | 640 |
| 10 | 11278 | 12078 | 1315 | 980 |
| 12 | 16344 | 16941 | 1315 | 1465 |
| 14 | 27260 | 29240 | 1315 | 2000 |
| 16 | 29629 | 30607 | 1315 | 2700 |

18, 20, 24, 30, 36

Consult Factory

Optional Features: See Page 3

Voltage Available: 24, 110, 220, 240 Volt 50 cycle AC; 6, 12, 48, 120, 240 Volt DC

For explosion-proof, water-tight solenoid add \$ 77

For manual operator add \$ 84

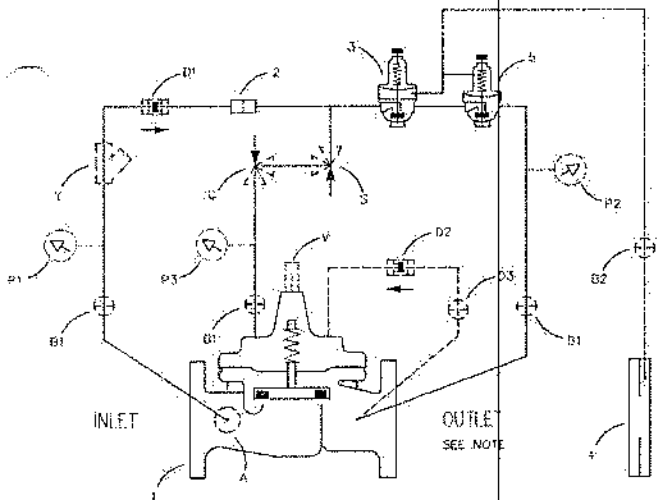
Specify minimum, normal, maximum GPM

Specify "Energized to Open Main Valve" or "De-energized to Open Main Valve"

Available with electronic actuated control. Consult factory for information and prices

Add price of SST Pilot to list price of valve to change from Standard

Copper/Brass Pilot to SST



BASIC COMPONENTS

- 1 100-01 Hytrol (Main Valve)
- 2 X58C Restriction Fitting
- 3 CRA Pressure Reducing Control
- 4 X52E Orifice Plate Assembly
- 5 CDHS18 Differential Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with Cock
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

49-01 Combination Rate of Flow Control and Pressure Reducing Valve

Uses 100-01 Hytrol Valve Includes Orifice Plate Assembly

49-01A Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|-------------------|-------------------|--------------------|-------|
| 2 | \$ 2965 | \$ 3037 | 1225 | 95 |
| 2-1/2 | 3625 | 3847 | 1225 | 111 |
| 3 | 3726 | 3829 | 1225 | 130 |

49-01BY Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | SST T&B | Wt/Lb |
|--------------------|-------------------|-------------------|---------|-------|
| 4 | \$ 4449 | \$ 4632 | 1575 | 220 |
| 6 | 5753 | 6050 | 1575 | 405 |
| 8 | 8388 | 8931 | 1625 | 650 |
| 10 | 11344 | 12143 | 1625 | 990 |
| 12 | 16412 | 17012 | 1625 | 1475 |
| 14 | 27330 | 29308 | 1625 | 2010 |
| 16 | 29377 | 31000 | 1625 | 2710 |
| 18, 20, 24, 30, 36 | Consult Factory | | | |

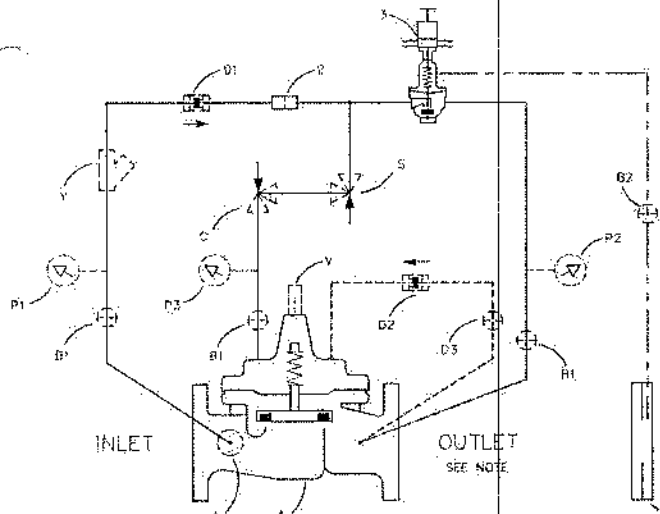
Optional Features: See Page 3

Adjustment Ranges: 2-30, 15-75, 20-105, 30-300 psi

Specify minimum, normal, maximum GPM

Available with electronic actuated control, Consult factory for information and prices

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST



BASIC COMPONENTS

- 1 100-01 Hytrol (Main Valve)
- 2 X58C Restriction Fitting
- 3 CDHS34 Differential Control
- 4 X52E Orifice Plate Assembly

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with Cock
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

340-02 Electronic Actuated Rate of Flow Control Valve

Uses 100-01 Hytrol Valve Includes Orifice Plate Assembly

340-02A Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|-------|-------------------|-------------------|-------|
| 2 | \$4867 | \$4933 | 95 |
| 2-1/2 | 5513 | 5732 | 111 |
| 3 | 5513 | 5814 | 130 |

340-02BY Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|--------------------|-------------------|-------------------|-------|
| 4 | \$6309 | \$6488 | 220 |
| 6 | 7587 | 7878 | 405 |
| 8 | 10172 | 10706 | 650 |
| 10 | 13073 | 13850 | 990 |
| 12 | 18036 | 18622 | 1475 |
| 14 | 26739 | 30683 | 2010 |
| 16 | 30748 | 32341 | 2710 |
| 18, 20, 24, 30, 36 | Consult Factory | | |

Specify minimum, normal, maximum GPM

USB communication cable P/N 20519203A \$192 is required to change default settings

CDHS34 Bronze Body, SST Trim

OCWUT 00032

50-01 Pressure Relief Valve

Uses 100-01 Hytrol Valve

50-01 Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--------------------|-------|
| 1† | \$ 1397 | \$ --- | \$ --- | 865 | --- |
| 1 | 1397 | --- | --- | 865 | 30 |
| 1-1/4 | 1397 | 1626 | --- | 865 | 30 |
| 1-1/2 | 1397 | 1635 | --- | 865 | 35 |
| 2 | 1429 | 1665 | 1736 | 865 | 45 |
| 2-1/2 | 1758 | 1776 | 1999 | 865 | 60 |
| 3 | 1822 | 1904 | 2009 | 865 | 80 |

50-01B Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|--|-------------------|-------------------|--------------------|-------|
| 4 | | \$ 2786 | \$ 2970 | 1025 | 150 |
| 6 | | 4049 | 4345 | 1025 | 295 |
| 8 | | 6614 | 7159 | 1090 | 505 |
| 10 | | 9101 | 9897 | 1090 | 790 |
| 12 | | 14754 | 15351 | 1090 | 1175 |
| 14 | | 25784 | 27764 | 1090 | 1600 |
| 16 | | 27576 | 28873 | 1090 | 2265 |

18, 20, 24, 30, 36

Consult Factory

Optional Features: See Page 3

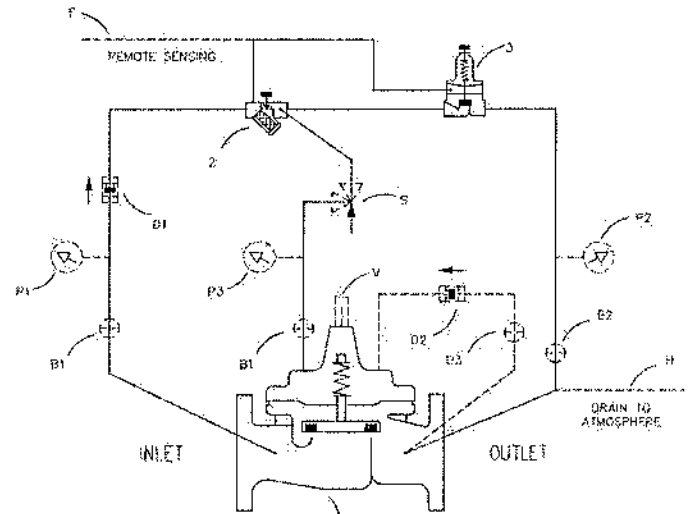
Adjustment Ranges: 0-75, 20-105, 20-200

For adjustment range of 100-300 psi add \$ 184

For adjustment range of 250-600 psi add \$ 582

Available with electronic actuated control, See Model 350-02

† Non-Guided

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST**BASIC COMPONENTS**

- 100-01 Hytrol (Main Valve)
- X42N-2 Strainer Needle Valve
- CRL-60 Pressure Relief Control

OPTIONAL FEATURES

- B CK2 (Isolation Valves)
- D Check Valves with Isolation valve
- F Remote Sensing
- H Drain to Atmosphere
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator

50-33 Back Pressure Shutoff Safety Valve**50-33 Ductile Iron Body, Bronze Trim**

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--------------------|-------|
| 1-1/4 | \$ 1429 | \$ --- | \$ --- | 1125 | 30 |
| 1-1/2 | 1429 | 1644 | 1787 | 1125 | 35 |
| 2 | 1640 | 1826 | 1953 | 1125 | 45 |
| 2-1/2 | 1821 | 1888 | 2111 | 1125 | 60 |
| 3 | 1926 | 1951 | 2235 | 1125 | 80 |

50-33B Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|--|-------------------|-------------------|--------------------|-------|
| 4 | | \$ 2767 | \$ 3019 | 1300 | 150 |
| 6 | | 4001 | 4690 | 1300 | 295 |
| 8 | | 6998 | 8017 | 1550 | 505 |
| 10 | | 10056 | 10887 | 1675 | 790 |
| 12 | | 15329 | 16422 | 1725 | 1175 |

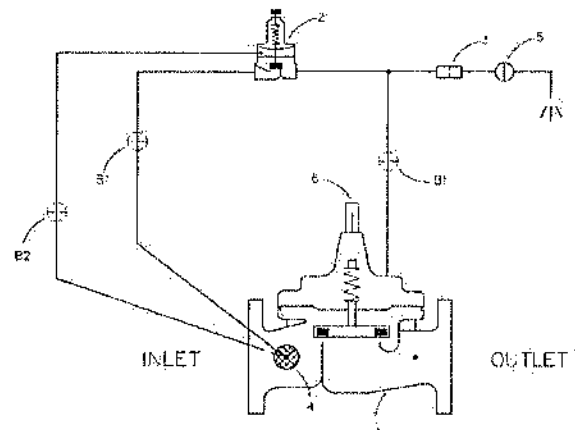
Optional Features: See Page 3

Adjustment Ranges: 0-75, 20-105, 20-200 psi

For Adjustment Ranges: 100-300 psi add \$ 184

For Adjustment Ranges: 250-600 psi add \$ 582

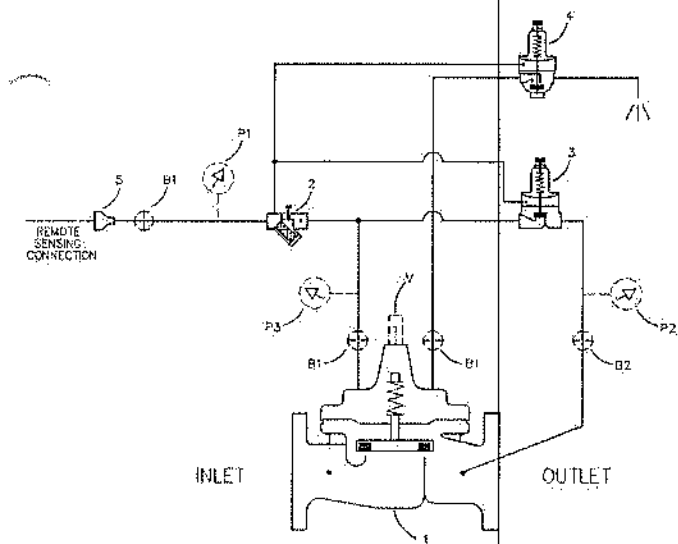
Available with electronic actuated control, Consult factory for information and prices.

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST**BASIC COMPONENTS**

- 100-01KR Hytrol Main Valve
- CRL-60 Pressure Relief Control
- X58A Restriction Fitting
- X46A Flow Clean Strainer
- CK2 Ball Valve
- X101 Indicator

OPTIONAL FEATURES

- B CK2 (Isolation Valve)



BASIC COMPONENTS

- 1 100-01 Hytrol Main Valve
- 2 X42N-2 Strainer Needle Valve
- 3 CRL-60 Pressure Relief Control
- 4 CRA Pressure Reducing Control
- 5 Bell Reducer

OPTIONAL FEATURES

- B CK2 (Isolation Valve)

52-01 Surge Anticipator Valve

52-01 Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb. | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | Wt/Lb |
|-------|---------------------|--------------------|--------------------|--------------------|-------|
| 2 | \$ 1972 | \$ 2207 | \$ 2279 | 1425 | 45 |
| 2-1/2 | 2302 | 2364 | 2544 | 1425 | 70 |
| 3 | 2365 | 2449 | 2553 | 1425 | 90 |

52-01B Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | Wt/Lb |
|--------------------|--|--------------------|--------------------|--------------------|-------|
| 4 | | \$ 3328 | \$ 3513 | 1575 | 160 |
| 6 | | 4593 | 4889 | 1575 | 305 |
| 8 | | 7156 | 7704 | 1650 | 515 |
| 10 | | 9644 | 10440 | 1650 | 800 |
| 12 | | 15298 | 15896 | 1650 | 1185 |
| 14 | | *CF | *CF | 1650 | 1610 |
| 16, 20, 24, 30, 36 | | *CF | *CF | 1650 | *CF |

Optional Features: See Page 3

Adjustment Ranges:

Pressure Reducing Control (CRA) 2-30, 15-75, 20-105, 30-300 psi.

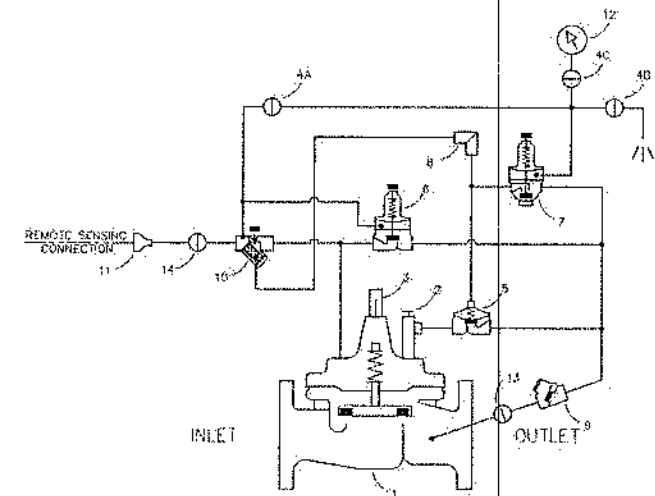
Pressure Sustaining Control (CRL) 0-75, 20-105, 20-200 psi.

For Adjustment Ranges: 100-300 psi add \$ 184

For Adjustment Ranges: 250-600 psi add \$ 582

Available with electronic actuated control, Consult factory for information and prices.

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST



BASIC COMPONENTS

- 1 100-01 Hytrol (Main Valve)
- 2 X102F Flow Limiter
- 3 X101 Valve Position Indicator*
- 4 CK2 (Isolation Valve)
- 5 100-01 Hytrol (Reverse Flow)
- 6 CRL-60 Pressure Relief Control
- 7 CRA Pressure Reducing Control

- 8 X58B Restriction Tube Assembly
- 9 CSC Swing Check Valve
- 10 X42N-3 Strainer Needle Valve
- 11 Bell Reducer
- 12 Gauge
- 13 CK2 (Isolation Valve)
- 14 CK2 (Isolation Valve)

52-03 Surge Anticipator Valve

Uses 100-01 Hytrol

52-03 Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb. | Flanged 150 Lb. | Flanged 300 Lb. | | Wt/Lb |
|-------|---------------------|--------------------|--------------------|--|-------|
| 2-1/2 | \$ 4506 | \$ 4679 | \$ 4901 | | 70 |
| 3 | 4421 | 4694 | 4787 | | 100 |
| 4 | | 5122 | 5303 | | 160 |
| 6 | | 6300 | 6593 | | 305 |
| 8 | | 8774 | 9321 | | 515 |
| 10 | | 11816 | 12611 | | 800 |
| 12 | | 17344 | 18124 | | 1185 |
| 14 | | 29634 | 33167 | | 1610 |
| 16 | | 31431 | 34709 | | 2275 |

Optional Features: See Page 3

Adjustment Ranges:

Pressure Reducing Control (CRA) 2-30, 15-75, 20-105, 30-300 psi

Pressure Relief Control (CRL) 0-75, 20-200 psi

For adjustment Range 100-300 psi add \$ 184

For adjustment Range 250-600 psi add \$ 582

* Note: X101 or X105L Accessories not available in 4" and smaller sizes.

Available with electronic actuated control, Consult factory for information and prices

**58-01 Combination Back Pressure and
Solenoid Shutoff Valve**

Uses 100-01 Hytrol Valve

58-01 Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--------------------|-------|
| 2 | \$ 1918 | \$ 2073 | \$ 2148 | 1175 | 45 |
| 2-1/2 | 2324 | 2340 | 2568 | 1175 | 60 |
| 3 | 2336 | 2463 | 2570 | 1175 | 80 |

58-01B Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|--------------------|--------------------|-------------------|-------------------|--------------------|-------|
| 4 | | \$ 3223 | \$ 3406 | 1425 | 155 |
| 6 | | 4503 | 4796 | 1425 | 300 |
| 8 | | 7188 | 7736 | 1500 | 515 |
| 10 | | 9849 | 10645 | 1500 | 795 |
| 12 | | 15905 | 16500 | 1500 | 1180 |
| 14 | | 27385 | 29345 | 1500 | 1605 |
| 16 | | 29131 | 30600 | 1500 | 2270 |
| 18, 20, 24, 30, 36 | Consult Factory | | | | |

Optional Features: See Page 3

Adjustment Ranges: 0-75, 20-200, 100-300 psi

For adjustment range of 100-300 psi add \$184

For adjustment range of 250-600 psi add \$582

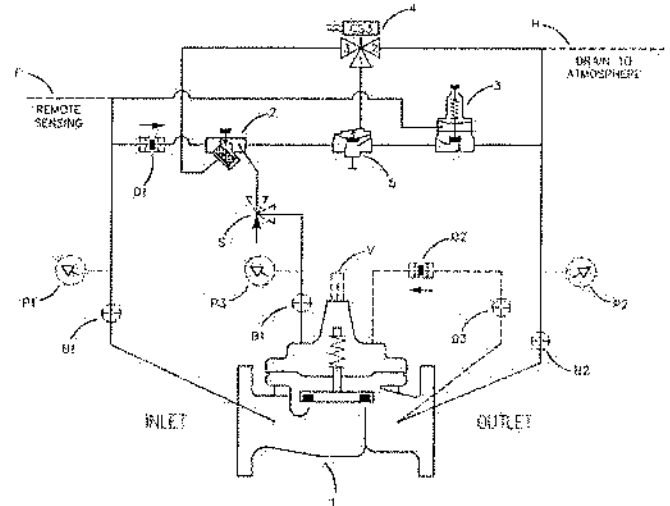
Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

For explosion-proof, water-tight solenoid add \$77

For manual operator add \$ 8⁴

Specify "Energized to Open Main Valve" or "De-energized to Open Main Valve"

Available with electronic actuated control, Consult factory for information and prices

**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 X42N-3 Strainer Needle Valve
- 3 CRL-60 Pressure Relief Control
- 4 CS3 Solenoid Control
- 5 100-01 Hytrol (Reverse Flow)

OPTIONAL FEATURES

- B CK2 (Isolation Valve)
- D Check Valves with (Isolation valve)
- F Remote Pilot Sensing
- H Drain to Atmosphere
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

250-01 Differential Relief Valve

Uses 100-01 Hytrol Valve

250-01 Ductile Iron Body, Bronze Trim

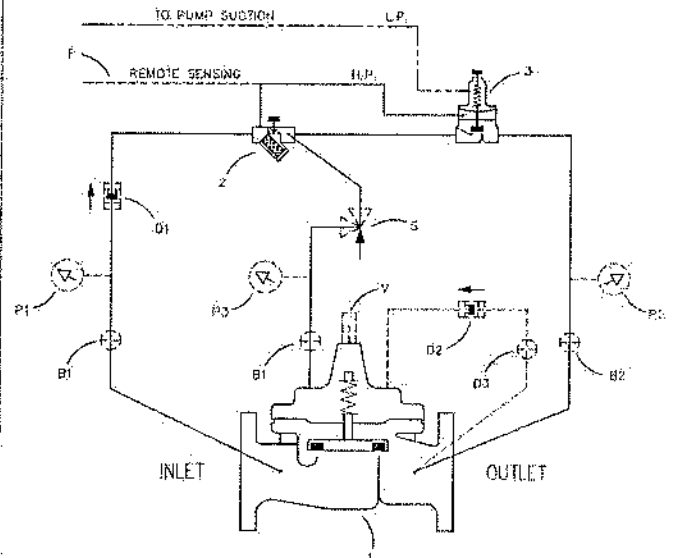
| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|-------|--------------------|-------------------|-------------------|-------|
| 1 | \$ 1597 | \$ --- | \$ --- | 30 |
| 1-1/4 | 1597 | --- | --- | 30 |
| 1-1/2 | 1599 | 1715 | --- | 35 |
| 2 | 1626 | 1787 | 1859 | 45 |
| 2-1/2 | 1945 | 2056 | 2277 | 60 |
| 3 | 1952 | 2081 | 2184 | 80 |

**250-01B Ductile Iron Body, Bronze Trim
Isolation Valves Included**

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|--------------------|-------------------|-------------------|-------|
| 4 | | \$ 2742 | \$ 2955 | 150 |
| 6 | | 3942 | 4284 | 295 |
| 8 | | 6563 | 7111 | 505 |
| 10 | | 8718 | 9513 | 790 |
| 12 | | 14670 | 15264 | 1175 |
| 14 | | 22207 | 24187 | 1600 |
| 16 | | 26687 | 27887 | 2265 |

18, 20, 24, 30, 36 *Consult Factory

Adjustment Ranges: 0-7, 5-25, 10-60, 20-180, 50-150, 65-180 psi

**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 X42N-2 Strainer Needle Valve
- 3 CDB-7 Differential Control

OPTIONAL FEATURES

- B CK2 (Isolation valve)
- D Check Valve with Cock
- F Remote Pilot Sensing
- P X141 Pressure Gauge
- R Reservoir Gauge with Tester
- S CV Speed Control (Opening)
- V X101 Valve Position Indicator

350-02 Electronic Pressure Relief Valve

Uses 100-01 Hytrol Valve

350-02 Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|-------|--------------------|-------------------|-------------------|-------|
| 1† | \$9762 | \$ — — | \$ — — | |
| 1 | 3762 | — — | — — | 30 |
| 1-1/4 | 3762 | 3986 | — — | 30 |
| 1-1/2 | 3762 | 3995 | — — | 35 |
| 2 | 3793 | 4024 | 4094 | 45 |
| 2-1/2 | 4116 | 4123 | 4352 | 60 |
| 3 | 4178 | 4259 | 4362 | 80 |

350-02B Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|-------------------|-------------------|-------|
| 4 | \$5123 | \$5304 | 150 |
| 6 | 6362 | 6652 | 295 |
| 8 | 8876 | 9411 | 505 |
| 10 | 11315 | 12095 | 790 |
| 12 | 16857 | 17442 | 1175 |
| 14 | 27670 | 29612 | 1600 |
| 16 | 29427 | 30699 | 2265 |

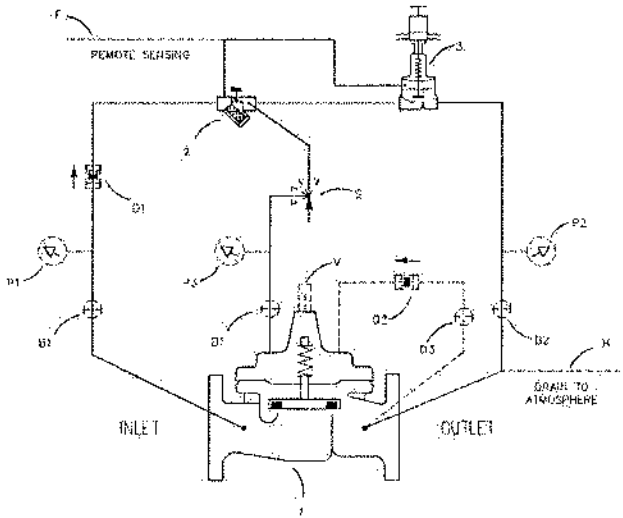
18, 20, 24, 30, 36

Consult Factory

Optional Features: See Page 3.
Adjustment Ranges: 0-75, 20-105, 20-200
USB Communication cable P/N 20519203A 5192

CRL 34-Bronze Body, SST trim

† Non-Guided



BASIC COMPONENTS

- 1. 100-01 Hytrol (Main Valve)
- 2. X42N-2 Strainer Needle Valve
- 3. CRL-34 Pressure Relief Control

OPTIONAL FEATURES:

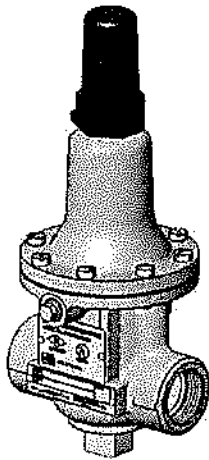
- B CK2 (Isolation Valves)
- D Check Valves with Isolation valve
- F Remote Sensing
- H Drain to Atmosphere
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator

Direct Acting Pressure Relief Valve

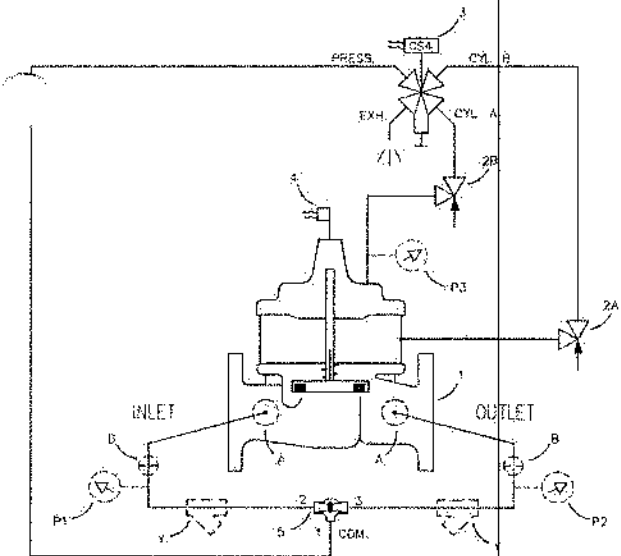
55B-60 Valves

Bronze Body, Stainless Steel Trim

| Size (inches) | Spring Range | Part Number | List Price |
|---------------|--------------|-------------|------------|
| 1/2 | 0-75 psi | 20881601C | 489 |
| 1/2 | 20-200 psi | 20881602B | 489 |
| 1/2 | 100-300 psi | 20881701B | 672 |
| 3/4 | 0-75 psi | 20881603A | 489 |
| 3/4 | 20-200 psi | 20881604K | 489 |
| 3/4 | 100-300 psi | 20881702A | 672 |
| 1 | 20-75 psi | 21064201J | 918 |
| 1 | 40-200 psi | 21064202H | 918 |
| 1 | 100-300 psi | 21064203G | 918 |



OCWUT 00032



BASIC COMPONENTS

- 1 100-03 Powercheck (Main Valve)
- 2 CV Flow Control
- 3 CS4SM Solenoid Control
- 4 X105LCW Switch Assembly
- 5 CVS-1 Shuttle Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- P X141 Pressure Gauge
- Y X43 "Y" Strainer

**60-08 Booster Pump Control Valve
with High Capacity Pilot System**

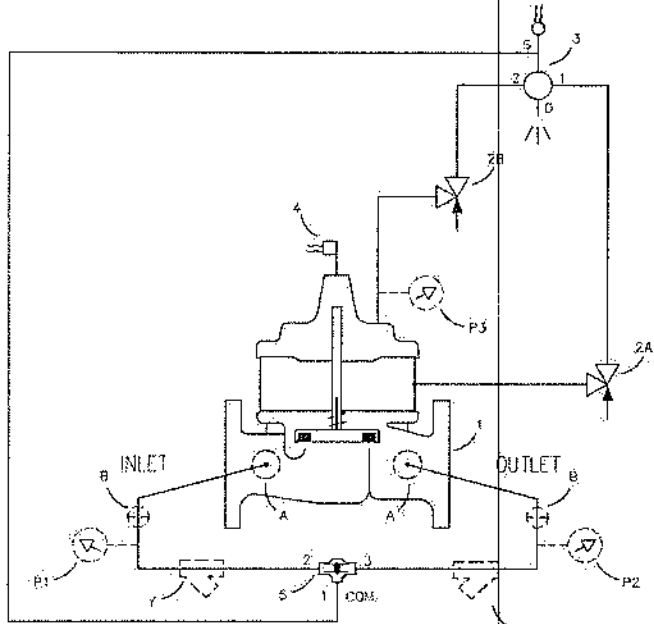
Uses 100-03 Powercheck Valve

60-08BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | * SST Pilot Adder | Wt/Lb |
|--------------------|--|-------------------|-------------------|----------------------|-------|
| 10 | | \$ 13544 | \$ 16003 | 1650 | 990 |
| 12 | | 22041 | 23279 | 1650 | 1725 |
| 14 | | 36003 | 38458 | 1650 | 2750 |
| 16 | | 41295 | 44231 | 1650 | 3150 |
| 18, 20, 24, 30, 36 | | Consult Factory | | | |

Optional Features: See Page 3
Voltage Available: 120 Volt 60 cycle AC
Explosion-proof water-tight solenoid included standard
For 8" and smaller sizes see Cla-Val Model 60-11

* SST Pilot includes Bronze CS4SM Solenoid Adder
Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST



BASIC COMPONENTS

- 1 100-03 Powercheck (Main Valve)
- 2 CV Flow Control
- 3 CSM 11-A2-2 Solenoid Control
- 4 X105LCW Switch Assembly
- 5 CVS-1 Shuttle Valve

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- P X141 Pressure Gauge
- Y X43 "Y" Strainer

60-11 Booster Pump Control Valve

Uses 100-03 Hytrol Valve

60-11A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb* | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|--------------------|--------------------|-------|
| 2-1/2 | | Consult Factory | | | 115 |
| 3 | \$ 4784 | \$ 5027 | \$ 5483 | 975 | 145 |

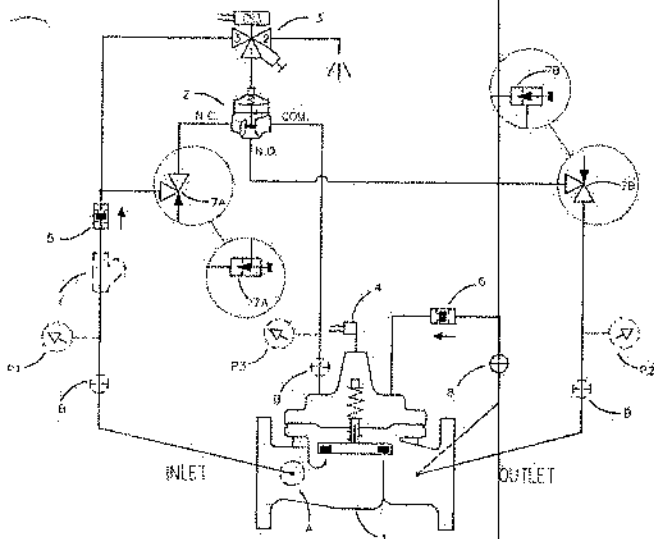
60-11BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb* | * SST Pilot Adder | Wt/Lb |
|------|--|-------------------|--------------------|----------------------|-------|
| 4 | | \$ 5680 | \$ 6564 | 1300 | 240 |
| 6 | | 7234 | 7541 | 1300 | 370 |
| 8 | | 10373 | 10959 | 1300 | 700 |

Optional Features: See Page 3
CSM-11 Solenoid Voltage Available: 120, 240, 480 Volts, 60-cycle alternating current.
* Maximum pressure 300 psi, for higher pressure please Consult Factory
For 10" and larger sizes see Cla-Val Model 60-08.

* SST Pilot includes standard CSM 11-A2-2 (AS) Adder
Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

OCWUT 00032



BASIC COMPONENTS

- 1 100-04 Hy-Check (Main Valve)
- 2 102C-3H Three-Way Valve
- 3 CS3SM Solenoid Control
- 4 X105LCW Switch Assembly
- 5 CDC Disc Check Valve
- 6 CDC/CSC Check Valve
- 7 CNA Angle Valve
- 8 CK2 (Isolation valve)

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- P X141 Pressure Gauge
- Y X43 "Y" Strainer

60-31 Booster Pump Control Valve

Uses 100-04 Hy-Check Valve

60-31BY Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-------------------|-------------------|--------------------|-------|
| 4 | \$ 4682 | \$ 5368 | 1300 | 200 |
| 6 | 6310 | 6632 | 1300 | 340 |
| 8 | 7847 | 8534 | 1300 | 560 |
| 10 | 13052 | 14872 | CF* | 840 |
| 12 | 18918 | 20352 | CF* | 1235 |
| 14 | 27191 | 28303 | CF* | 1975 |
| 16 | 33410 | 34737 | CF* | 2325 |

Optional Features: See Page 3

Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

Maximum pressure 200 psi, for higher pressure Consult Factory
Solenoid manual operator included

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

**60-32 Combination Pump Control
and Back Pressure Valve**

60-32BY Ductile Iron Body, Bronze Trim

| Size: | Flanged 150 Lb. | Flanged 300 Lb. | Wt/Lb |
|-------|--------------------|--------------------|-------|
| 2 | \$ 3155 | \$ 4283 | 60 |
| 3 | 4483 | 4737 | 105 |
| 4 | 4871 | 5135 | 210 |
| 6 | 6774 | 6980 | 350 |
| 8 | 9102 | 10124 | 570 |
| 10 | 14251 | 14879 | 850 |
| 12 | 19761 | 20491 | 1245 |
| 14 | *CF | *CF | 1995 |
| 16 | *CF | *CF | 2345 |

Optional Features: See Page 3

Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC.

Maximum pressure 200 psi, for higher pressure please

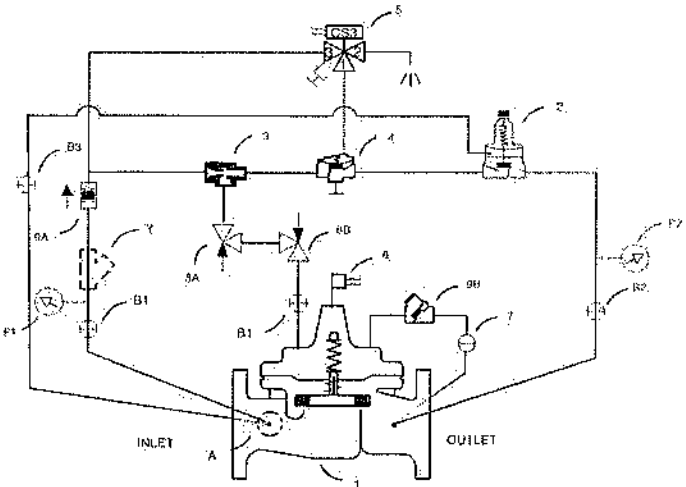
Consult Factory

Adjustment Ranges: 0-75, 20-105, 20-200 psi

For Adjustment Ranges: 100-300 psi add \$ 184

For Adjustment Ranges: 250-600 psi add \$ 582

*Consult factory for information and prices.



BASIC COMPONENTS

- 1 100-04 Hy-Check (Main Valve)
- 2 CRL Pressure Relief Control
- 3 X47A Ejector
- 4 100-01 Hytrol (Reverse Flow)
- 5 CS3SM Solenoid Control
- 6 X105LCW Switch Assembly
- 7 CK2 (Isolation Valve)
- 8 CV Flow Control
- 9 CSC/CDC Check Valve

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- Y X43 "Y" Strainer

OCWUT 00032

60-73 Booster Pump Control Valve

Uses 100-30 Powertrol Valve

60-73A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb* | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|--------------------|--------------------|-------|
| 2-1/2 | Consult Factory | | | | 115 |
| 3 | \$ 6347 | \$ 6588 | \$ 7049 | 975 | 145 |

60-73BY Ductile Iron Body, Bronze Trim

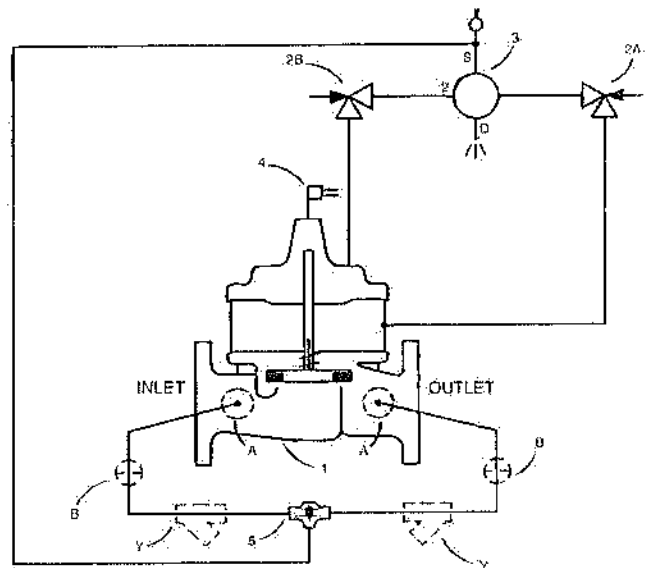
| Size | | Flanged 150 Lb | Flanged 300 Lb* | | Wt/Lb |
|------|--|-------------------|--------------------|------|-------|
| 4 | | \$ 6120 | \$ 6804 | 1300 | 240 |
| 6 | | 7895 | 8228 | 1300 | 370 |
| 8 | | 11261 | 11873 | 1300 | 700 |

Optional Features: See Page 3

CSM-11 Solenoid Voltage Available: 120, 240, 480 Volts, 60-cycle alternating current.

* Maximum pressure 300 psi, for higher pressure please,
Consult Factory

For 10" and larger sizes see Cla-Val Model 60-08.

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST**BASIC COMPONENTS**

- 1 100-30 Powercheck (Main Valve)
- 2 CV Flow Control
- 3 CSM11-A2-2 Solenoid Control
- 4 X105LCW Switch Assembly
- 5 CVS-1 Shuttle Valve

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- Y X43 "Y" Strainer

61-02 Deep Well Pump Control Valve

Uses 100-02 Powertrol Valve

61-02 Ductile Iron Body, Bronze Trim

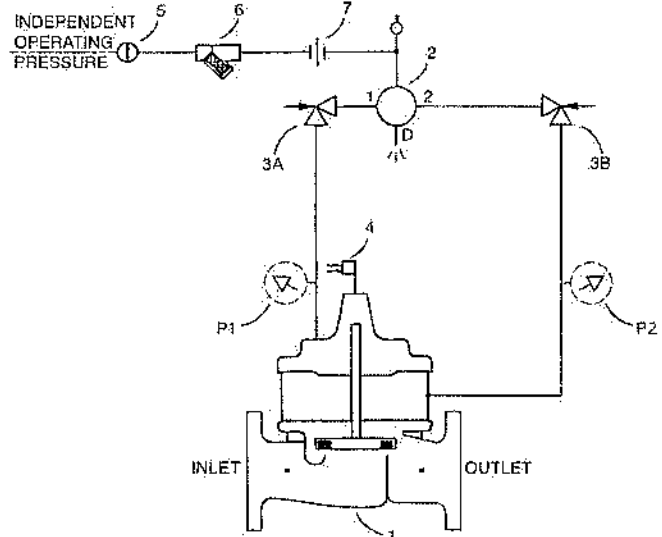
| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb* | * SST Pilot Adder | Wt/Lb |
|------------|--------------------|-------------------|--------------------|----------------------|-------|
| 2-1/2 | Consult Factory | | | | 115 |
| 3 | \$ 4412 | \$ 4663 | \$ 5114 | 950 | 145 |
| 4 | | 5091 | 5775 | 1020 | 240 |
| 6 | | 6921 | 7630 | 1020 | 370 |
| 8 | | 10280 | 10893 | 1020 | 700 |
| 10 | | 15827 | 17651 | 1020 | 990 |
| 12 | | 22380 | 23903 | 1020 | 1725 |
| 14 | | 34339 | 35450 | 1020 | 2750 |
| 16 | | 38519 | 42751 | 1020 | 3150 |
| 18, 20, 24 | Consult Factory | | | | |

Optional Features: See Page 3

CSM-11 Solenoid Voltage Available: 120, 240, 480 Volts, 60-cycle alternating current.

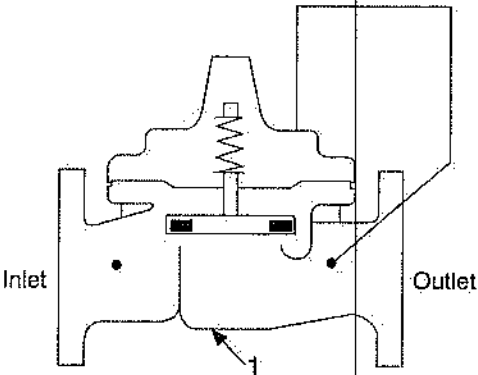
* Maximum pressure 300 psi, for higher pressure please, contact factory

* SST Pilot Adder includes standard CSM 11-A2-2 solenoid (AS)

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST**BASIC COMPONENTS**

- 1 100-02 Powertrol (Main Valve)
- 2 CSM11-A2-2 Solenoid Control
- 3 CV Flow Control

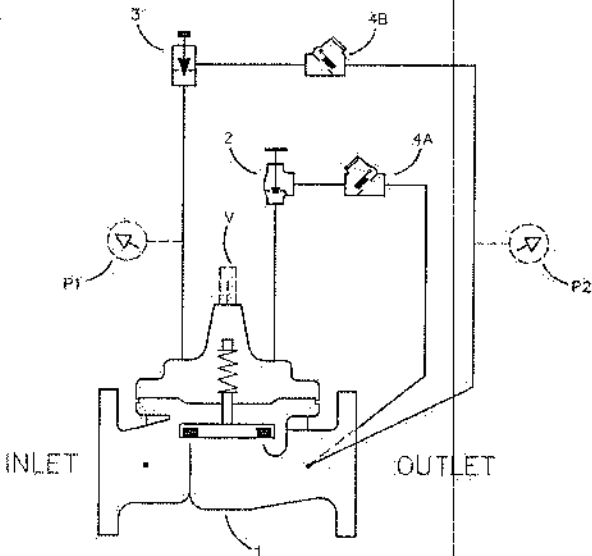
- 4 X105LOW Switch Assembly
- 5 CK2 (Isolation Valve)
- 6 X43 "Y" Strainer
- 7 Union



BASIC COMPONENTS
1 100-01 Hytrol (Reverse Flow)

| 81-01 Check Valve - Diaphragm Type | | | | | |
|---|--------------------|-------------------|-------------------|--------------------|-------|
| Uses 100-01 Hytrol Valve (Reverse Flow) | | | | | |
| 81-01 Bronze Body, Bronze Trim | | | | | |
| Size | Threaded 300 Lb | | | | Wt/Lb |
| 3/8 | \$ 271 | | | | 2 |
| 1/2 | 546 | | | | 3 |
| 3/4 | 546 | | | | 3 |
| 81-01 Ductile Iron Body, Bronze Trim | | | | | |
| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
| 1 | \$ 350 | \$ --- | \$ --- | 409 | 15 |
| 1-1/4 | 653 | --- | --- | 409 | 21 |
| 1-1/2 | 656 | 763 | --- | 409 | 25 |
| 2 | 677 | 800 | 872 | 409 | 35 |
| 2-1/2 | 992 | 1008 | 1230 | 409 | 50 |
| 3 | 1077 | 1110 | 1250 | 409 | 70 |

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST



BASIC COMPONENTS
1 100-01 Hytrol (Reverse Flow)
2 CGA Angle Valve (Closing)
3 CNA Needle Valve (Opening)
4 CSC Swing Check Valve

OPTIONAL FEATURES
P X141 Pressure Gauge
V X101 Valve Position Indicator

| 81-02 Check Valve | | | | | |
|---|--------------------|-------------------|--------------------|--------------------|-------|
| with Opening and Closing Speed Controls | | | | | |
| Uses 100-01 Hytrol Valve (Reverse Flow) | | | | | |
| 81-02 Ductile Iron Body, Bronze Trim | | | | | |
| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb* | SST Pilot Adder | Wt/Lb |
| 2 | \$ 1188 | \$ 1274 | \$ 1353 | 850 | 40 |
| 2-1/2 | 1577 | 1635 | 1854 | 850 | 55 |
| 3 | 1591 | 1717 | 1822 | 850 | 75 |
| 4 | --- | 2297 | 2480 | 850 | 140 |
| 6 | --- | 3392 | 3688 | 850 | 285 |
| 8 | --- | 6270 | 6814 | 1950 | 500 |
| 10 | --- | 8361 | 9156 | 1950 | 780 |
| 12 | --- | 14194 | 14791 | 1950 | 1175 |
| 14 | --- | 24907 | 26890 | 1950 | 1600 |
| 16 | --- | 26560 | 27857 | 1950 | 2265 |
| 18, 20, 24, 30, 36 | | | Consult Factory | | |

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

OCWUT 00032

90-01 Pressure Reducing Valve

Uses 100-01 Hytrol Valve.

90-01AS Ductile Iron Body, Bronze Trim
Includes Opening Speed Control

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb. |
|-------|--------------------|-------------------|-------------------|--------------------|--------|
| 1 | \$ 1317 | \$ --- | \$ --- | 1075 | --- |
| 1-1/4 | 1317 | 1422 | --- | 1075 | 30 |
| 1-1/2 | 1317 | 1429 | --- | 1075 | 35 |
| 2 | 1350 | 1881 | 1756 | 1075 | 45 |
| 2-1/2 | 1667 | 1782 | 1863 | 1075 | 60 |
| 3 | 1679 | 1301 | 1904 | 1075 | 80 |

90-01BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|--|-------------------|-------------------|--------------------|-------|
| 4 | | \$ 2354 | \$ 2536 | 1215 | 150 |
| 6 | | 3676 | 3970 | 1215 | 295 |
| 8 | | 6152 | 6896 | 1300 | 510 |
| 10 | | 8720 | 9513 | 1300 | 790 |
| 12 | | 14274 | 14873 | 1300 | 1175 |
| 14 | | 24861 | 26840 | 1300 | 1600 |
| 16 | | 26473 | 27771 | 1300 | 2265 |

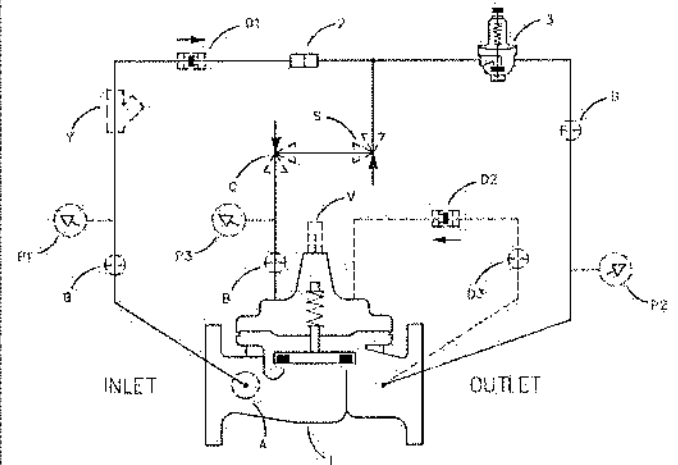
18, 20, 24, 30, 36 Consult Factory

Optional Features: See Page 3.

Adjustment Ranges: 2-30, 15-75, 20-105, 30-300 psi (for higher pressures, consult factory)

For adjustment range of 150-600 psi add CRD-18 \$582

Available with electronic actuated control. See Model 390-02

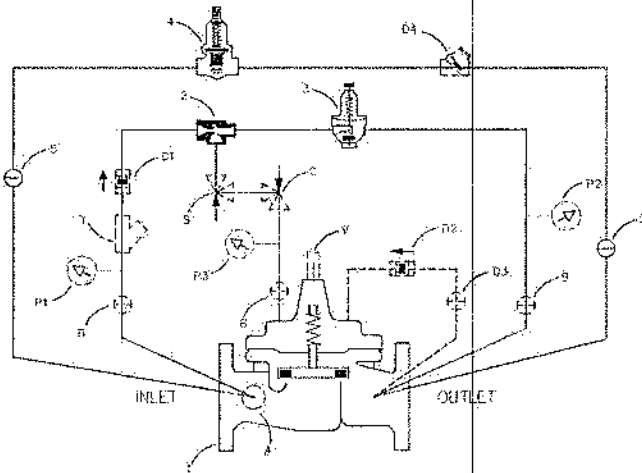
**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 X58C Restriction Filling
- 3 CRD Pressure Reducing Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with (Isolation valve)
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 X47A Ejector
- 3 CRD Pressure Reducing Control
- 4 CRD-L Pressure Reducing Valve
- 5 CK2 (Isolation Valves)

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valves)
- C CV Flow Control - (Closing)
- D Check Valves with (Isolation valve)
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

90-48 Pressure Reducing Valve
with Low Flow By-Pass

Uses 100-01 Hytrol Valve

90-48AS Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST T&B | Wt/Lb |
|-------|--------------------|-------------------|-------------------|---------|-------|
| 2 | CF* | CF* | CF* | 1200 | CF* |
| 2-1/2 | \$ 2247 | \$ 2341 | \$ 2564 | 1200 | 65 |
| 3 | 2268 | 2369 | 2476 | 1200 | 85 |

90-48BY Ductile Iron Body, Bronze Trim
Includes Isolation Valves

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST T&B | Wt/Lb |
|------|--|-------------------|-------------------|---------|-------|
| 4 | | \$ 2962 | \$ 3147 | 1575 | 155 |
| 6 | | 4284 | 4582 | 1575 | 300 |

Price includes 1/2" or 3/4" CRD-L as standard

Larger sizes of the 90-48 are available - Price upon request

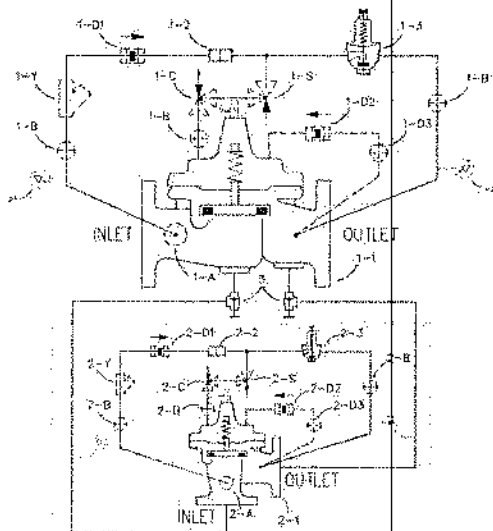
Optional Features: See Page 3

Adjustment Ranges CRD: 2-30, 15-75, 20-105, 30-300 psi

Adjustment Ranges CRD-L: 15-65 psi, 25-100 psi, 80-150 psi

Available with electronic actuated control, Consult factory for information and prices

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

**BASIC COMPONENTS**

- 1 90-01 Pressure Reducing Valve
- 1-1 Hytrol (Main Valve)
- 1-2 X58C Restriction Tube Assembly
- 1-3 CRD Pressure Reducing Control
- 2 90-01 Pressure Reducing (Bypass)
- 2-1 2100-01 Hytrol, Angle (Main Valve)
- 2-2 X58C Restriction Tube Assembly
- 2-3 CRD Pressure Reducing Control
- 3 CGA Angle Valve

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valves)
- C CV Flow Control - (Closing)
- D Check Valves with (isolation valve)
- S CV Flow Control - (Opening)
- Y X43 "Y" Strainer

90-99 Pressure Reducing Valve with Low Flow By-Pass

Uses 100-01 Hytrol Valve

90-99BY Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb* | Wt/Lb |
|------|-------------------|--------------------|-------|
| 4 | Consult Factory | | 300 |
| 6 | \$ 6590 | \$ 6872 | 1215 |
| 8 | 8943 | 9468 | 1300 |
| 10 | 11397 | 12153 | 1300 |

Price includes 2" 90-01AS with two 2" isolating CGA Valves as standard

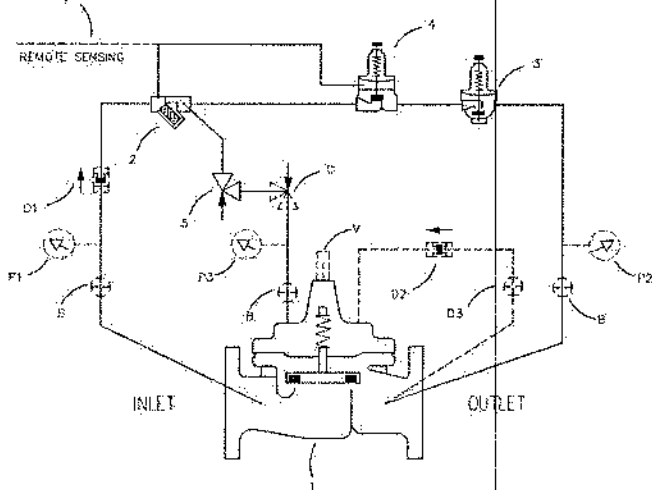
Optional Features: See Page 3

Adjustment Ranges CRD: 2-30, 15-75, 20-105, 30-300 psi

Available with electronic actuated control,

Consult factory for information and prices

NOTE: Adders need to apply to both Main Valve and Bypass Valve.

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 X44A Strainer & Orifice
- 3 CRD Pressure Reducing Control
- 4 CRL-60 Pressure Relief Control
- 5 CV Flow Control - Opening

OPTIONAL FEATURES

- B CK2 (Isolation Valves)
- C CV Flow Control - (Closing)
- D Check Valves with Isolation valve
- F Remote Sensing
- P X141 Pressure Gauge
- V X101 Valve Position Indicator

92-01 Combination Pressure Reducing and Pressure Sustaining Valve

Uses 100-01 Hytrol Valve

92-01 Ductile Iron Body, Bronze Trim

Includes Opening Speed Control

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--------------------|-------|
| 1 | \$ 1894 | \$ --- | \$ --- | 1715 | 41 |
| 1-1/4 | 1894 | 1947 | --- | 1715 | 41 |
| 1-1/2 | 1904 | 1954 | --- | 1715 | 41 |
| 2 | 1928 | 2012 | 2086 | 1715 | 55 |
| 2-1/2 | 2255 | 2272 | 2494 | 1715 | 70 |
| 3 | 2304 | 2391 | 2495 | 1715 | 90 |

92-01B Ductile Iron Body, Bronze Trim

Includes Isolation Valves and Opening Speed Control

| Size | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-------------------|-------------------|--------------------|-------|
| 4 | \$ 2954 | \$ 3138 | 1950 | 165 |
| 6 | 4100 | 4400 | 1950 | 310 |
| 8 | 6872 | 7330 | 2000 | 525 |
| 10 | 9301 | 10098 | 2000 | 805 |
| 12 | 15082 | 15680 | 2000 | 1190 |
| 14 | 26091 | 28073 | 2000 | 1615 |
| 16 | 27784 | 29082 | 2000 | 2280 |

18, 20, 24, 30, 36

Consult Factory

Optional Features: See Page 3

Adjustment Ranges:

Pressure Reducing Control (CRD) 2-30, 15-75, 20-105, 30-300 psi

Pressure Sustaining Control (CRL) 0-75, 20-200 psi

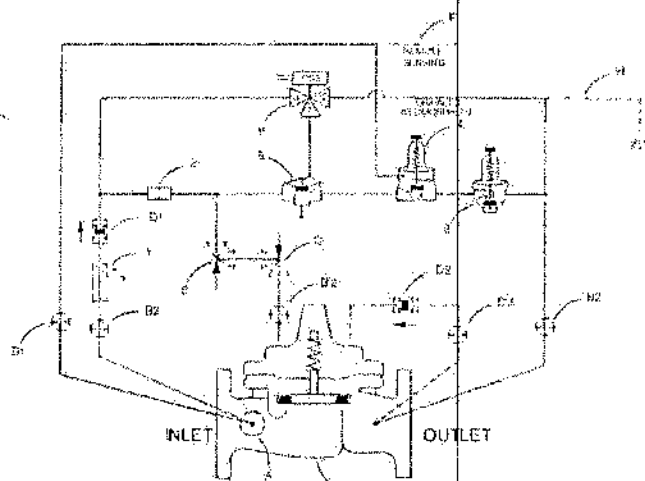
For Higher Pressures Consult Factory

For adjustment range CRL-60 of 100-300 psi add \$ 184

For adjustment range CRL18 of 250-600 psi add \$ 582

Available with electronic actuated control, Consult factory for information and prices

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

**BASIC COMPONENTS**

- 1 100-01 Hytrol Main Valve
- 2 X58C Restriction Fitting
- 3 CRD Pressure Reducing Control
- 4 CRL-60 Pressure Relief Control
- 5 100-01 Hytrol (Reverse Flow)
- 6 CS3 Solenoid Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C Closing Speed Control
- D Check Valves with Isolation valve
- F Remote Sensing Line
- H Drain to Atmosphere
- P X141 Pressure Gauges
- S Opening Speed Control
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

92-07 Combination Pressure Reducing and Pressure Sustaining and Solenoid Control Valve

92-07AS Ductile Iron Body, Bronze Trim Includes Opening Speed Control

| Size | Threaded 300 Lb. | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | Wt/Lb |
|-------|---------------------|--------------------|--------------------|--------------------|-------|
| 1-1/4 | \$ 1723 | \$ — | \$ — | 1915 | 40 |
| 1-1/2 | 1723 | 1950 | 2076 | 1915 | 40 |
| 2 | 1931 | 1972 | 2113 | 1915 | 55 |
| 2-1/2 | 2096 | 2197 | 2422 | 1915 | 70 |
| 3 | 2218 | 2353 | 2562 | 1915 | 90 |

92-07BY Ductile Iron Body, Bronze Trim Includes Isolation Valves

| Size | | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | Wt/Lb |
|--------------------|--|--------------------|--------------------|--------------------|-------|
| 4 | | \$ 2955 | \$ 3214 | 1975 | 165 |
| 6 | | 4184 | 4860 | 1975 | 310 |
| 8 | | 6908 | 7905 | 2035 | 525 |
| 10 | | 10399 | 11019 | 2035 | 805 |
| 12 | | 15000 | 16000 | 2035 | 1190 |
| 14 | | *CF | *CF | 2035 | 1615 |
| 16, 20, 24, 30, 36 | | *CF | *CF | CF* | *CF |

Optional Features: See Page 3

Adjustment Ranges:

Pressure Reducing Control (CRD) 2-30, 15-75, 20-105, 30-300 psi.

Pressure Sustaining Control (CRL-60) 0-75, 20-105, 20-200 psi.

Pressure Sustaining Control (CRL-60) 100-300 psi add \$184

Surge Control (CRL18) 250-600 psi add \$562

For explosion-proof, water-tight solenoid add \$77

For manual operator add \$84

Specify "Energized to Open Main Valve" or "De-energized to Open Main Valve"

Available with electronic actuated control.

*Consult factory for information and prices.

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

93-01 Combination Pressure Reducing and Solenoid Shutoff Valve

Uses 100-01 Hytrol Valve

93-01AS Ductile Iron Body, Bronze Trim Includes Opening Speed Control

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--------------------|-------|
| 1 | \$ 1859 | \$ — | \$ — | 1010 | 41 |
| 1-1/4 | 1859 | 1966 | — | 1010 | 41 |
| 1-1/2 | 1873 | 1974 | 1897 | 1010 | 41 |
| 2 | 1890 | 2055 | 2127 | 1010 | 55 |
| 2-1/2 | 2220 | 2236 | 2457 | 1010 | 70 |
| 3 | 2225 | 2354 | 2459 | 1010 | 90 |

93-01BY Ductile Iron Body, Bronze Trim Includes Isolation Valves

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|--|-------------------|-------------------|--------------------|-------|
| 4 | | \$ 2942 | \$ 3121 | 1400 | 165 |
| 6 | | 4096 | 4329 | 1400 | 310 |
| 8 | | 6957 | 7504 | 1475 | 525 |
| 10 | | 9196 | 9992 | 1475 | 805 |
| 12 | | 14861 | 15459 | 1475 | 1190 |
| 14 | | 25663 | 27606 | 1475 | 1615 |
| 16 | | 27314 | 28813 | 1475 | 2280 |

Consult Factory

Optional Features: See Page 3

Adjustment Ranges: 2-30, 15-75, 20-105, 30-300 psi

Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

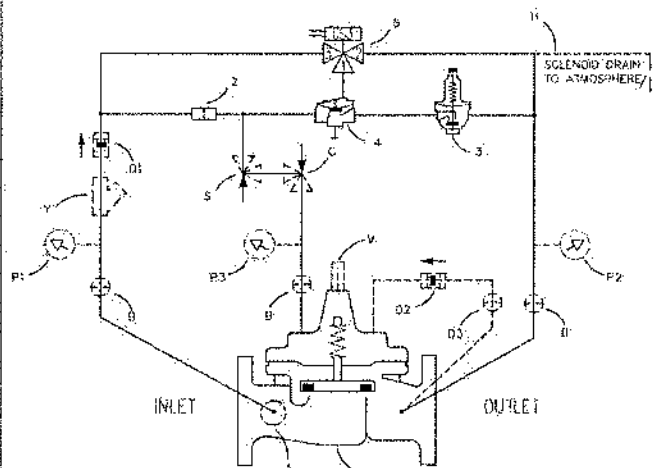
For explosion-proof, water-tight solenoid add \$77

For manual operator add \$84

Specify "Energized to Open Main Valve" or "De-energized to Open Main Valve" when ordering

Available with electronic actuated control,

Consult factory for information and prices

**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 X58C Restriction Tube Fitting
- 3 CRD Pressure Reducing Control
- 4 100-01 Hytrol - Rev. Flow
- 5 CS3 Solenoid Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valves)
- C CV Flow Control - Closing
- D Check Valves with (Isolation valve)
- H Solenoid Drain to Atmosphere
- P X141 Pressure Gauge
- S Opening Speed Control
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

**94-01 Combination Pressure Reducing and
Surge Control Valve****94-01AS Ductile Iron Body, Bronze Trim**

| Size | Threaded 300 Lb. | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | Wt/Lb. |
|-------|---------------------|--------------------|--------------------|--------------------|--------|
| 1-1/4 | \$ 1504 | \$ — | \$ — | 1275 | 40 |
| 1-1/2 | 1604 | 1851 | 1988 | 1275 | 40 |
| 2 | 1808 | 1828 | 1954 | 1275 | 55 |
| 2-1/2 | 1986 | 2086 | 2307 | 1275 | 70 |
| 3 | 2206 | 2279 | 2549 | 1275 | 90 |

94-01BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | Wt/Lb. |
|--------------------|--|--------------------|--------------------|--------------------|--------|
| 4 | | \$ 2995 | \$ 3259 | 1675 | 165 |
| 6 | | 4248 | 4998 | 1675 | 310 |
| 8 | | 7020 | 8041 | 1750 | 525 |
| 10 | | 10590 | 11219 | 1750 | 805 |
| 12 | | 14069 | 15141 | 1750 | 1190 |
| 14 | | *CF | *CF | 1750 | 1615 |
| 16, 20, 24, 30, 36 | | *CF | *CF | CF* | *CF |

Optional Features: See Page 3

Adjustment Ranges:

Pressure Reducing (CRD) 2-30, 15-75, 20-105, 30-300 psi

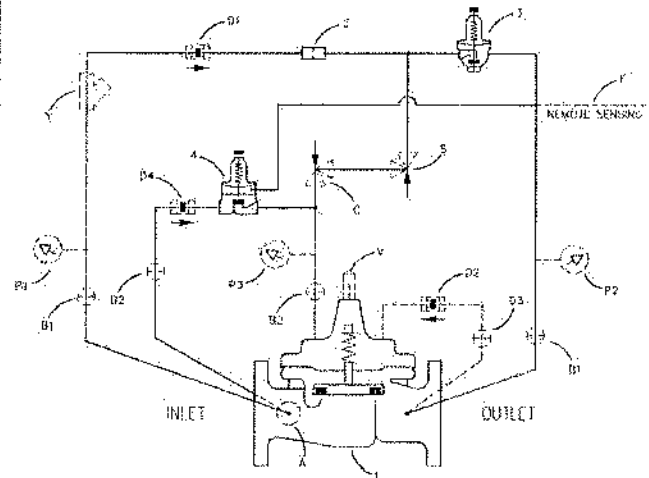
Surge Control (CRL) 0-75, 20-200 psi

Surge Control (CRL) 100-300 psi add \$ 184

Surge Control (CRL18) 250-600 psi add \$ 582

Available with electronic actuated control,

*Consult factory for information and prices.

**BASIC COMPONENTS**

- 100-01 Hytrol (Main Valve)
- X58C Restriction Tube Fitting
- CRD Pressure Reducing Control
- CRLKR Pressure Relief Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valves)
- C CV Flow Control - Closing
- D Check Valves with Isolation valve
- P X141 Pressure Gauges
- S Opening Speed Control
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

**98-06 Hydraulic Pressure Management
Control Valve with Dual Setpoints**

Uses 100-01 Hytrol Valve

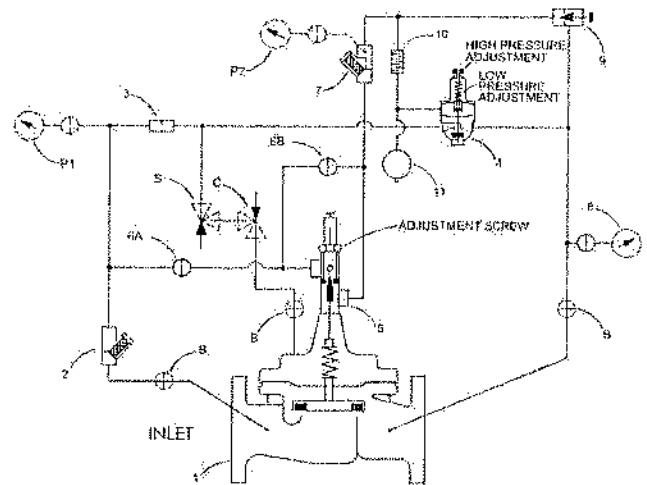
98-06B Ductile Iron Body, Bronze Trim
Includes Opening Speed Control

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--|-------|
| 2 | \$ | \$ 3896 | \$ 4028 | | 45 |
| 2-1/2 | | 4033 | 4134 | | 60 |
| 3 | | 4608 | 4712 | | 80 |

98-06B Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | | Wt/Lb |
|------|--|-------------------|-------------------|--|-------|
| 4 | | \$ 5450 | \$ 5632 | | 150 |
| 6 | | 6777 | 7071 | | 295 |
| 8 | | 9255 | 9793 | | 510 |
| 10 | | 11828 | 12620 | | 790 |

Optional Features: See Page 3

**BASIC COMPONENTS**

- 1 Hytrol (Main Valve)
- X43 "Y" Strainer
- X58C Restriction Fitting
- CPM-A Pressure Management Control
- X78-4 Stem Assembly + X101
- CK2 (Isolation Valve)
- X44 Strainer Orifice Assembly
- X141 Gauge Assembly

- 6120 Needle Valve
- X58E Restriction Assembly
- Accumulator (Air Charged)

OPTIONAL FEATURES

- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- P X141 Pressure Gauge
- S CV Flow Control (Opening)

390-02 Electronic Pressure Reducing Valve

Uses 100-01 Hytrol Valve

390-02AS Ductile Iron Body Bronze Trim
Includes Opening Speed Control

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|-------|--------------------|-------------------|-------------------|-------|
| 1 | \$3490 | \$ — — | \$ — — | — — |
| 1-1/4 | 3490 | 3593 | — — | 30 |
| 1-1/2 | 3490 | 3600 | — — | 35 |
| 2 | 3523 | 3847 | 3921 | 45 |
| 2-1/2 | 3833 | 3926 | 4025 | 60 |
| 3 | 3845 | 3965 | 4056 | 80 |

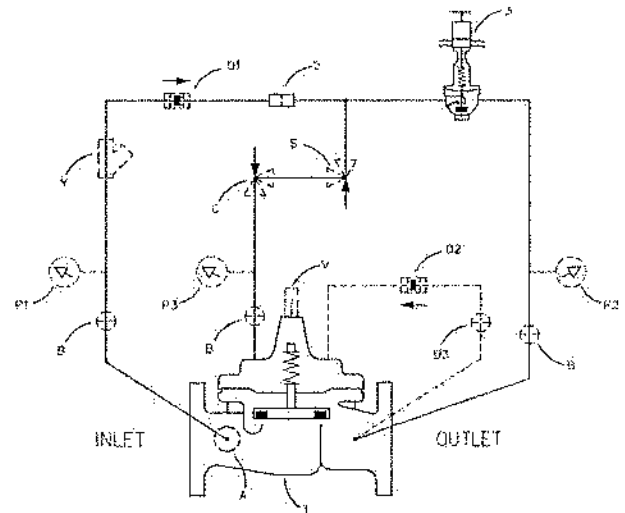
390-02BY Ductile Iron Body Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|--------------------|-------------------|-------------------|-------|
| 4 | \$4507 | \$4685 | 150 |
| 6 | 5803 | 6091 | 295 |
| 8 | 8230 | 8764 | 510 |
| 10 | 10743 | 11525 | 790 |
| 12 | 16193 | 16780 | 1175 |
| 14 | 26573 | 28513 | 1600 |
| 16 | 28153 | 29425 | 2265 |
| 18, 20, 24, 30, 36 | Consult Factory | | |

Optional Features: See Page 3

Adjustment Ranges: 2-30, 15-75, 20-105, 30-300 psi (for higher pressures, consult factory).

USB Communication cable P/N 20519203A \$132

**BASIC COMPONENTS**

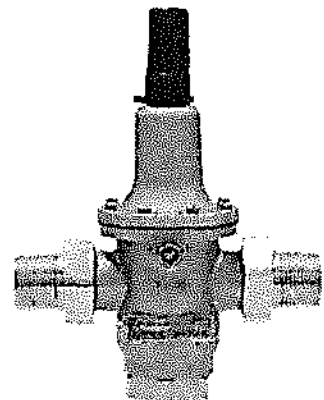
- 1 100-01 Hytrol (Main Valve)
- 2 X58C Restriction Fitting
- 3 CRD34 Pressure Reducing Control

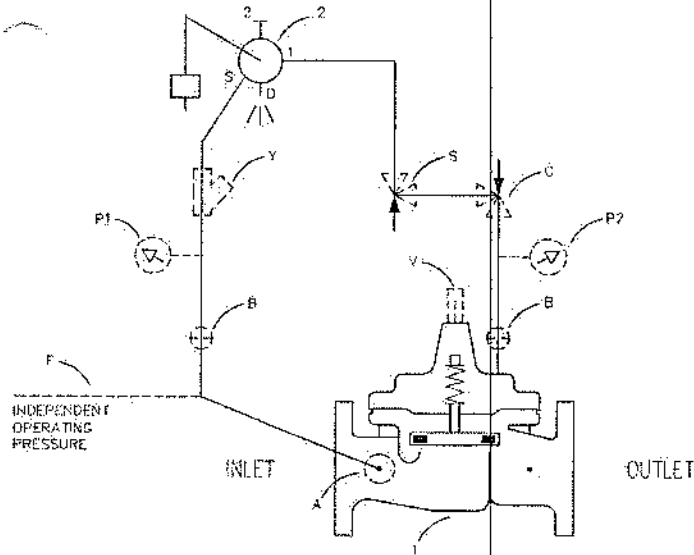
OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with (Isolation valve)
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

CRD-L**Direct Acting Pressure Reducing Valve****Bronze Valves**

| Size (inches) | Spring Range | Part Number | List Price |
|---------------|--------------|-------------|------------|
| 1/2 | 15-65 psi | 21062703F | 454 |
| 1/2 | 25-100 psi | 21062701H | 454 |
| 1/2 | 80-150 psi | 21062702G | 454 |
| 3/4 | 15-65 psi | 20935203J | 454 |
| 3/4 | 25-100 psi | 20935201A | 454 |
| 3/4 | 80-150 psi | 20935202K | 454 |
| 1 | 15-65 psi | 20938203C | 579 |
| 1 | 25-100 psi | 20938201E | 579 |
| 1 | 80-150 psi | 20938202D | 579 |
| 1-1/4 | 5-60 psi | 20946201H | 805 |
| 1-1/4 | 25-100 psi | 20946202G | 805 |
| 1-1/4 | 75-160 psi | 20946203F | 805 |
| 1-1/2 | 5-60 psi | 20948101E | 1040 |
| 1-1/2 | 25-100 psi | 20948102D | 1040 |
| 1-1/2 | 75-160 psi | 20948103C | 1040 |
| 2 | 18-50 psi | 20984701D | 1581 |
| 2 | 30-95 psi | 20984702C | 1581 |
| 2-1/2 | 15-70 psi | 21015501H | 1879 |
| 2-1/2 | 50-95 psi | 21015502G | 1879 |



**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 CF1-C1 Float Control

- B CK2 (Isolation Valve)
C CV Flow Control (Closing)
F Independent Operating Pressure
P X141 Pressure Gauge
S CV Speed Control (Opening)
V X101 Valve Position Indicator
Y X43 "Y" Strainer

OPTIONAL FEATURES

- A X46A Flow Clean Strainer

Note: It is recommended to install an 8" I.D. Stilling Well around float ball assembly

124-01 Float Valve Open/Closed Type 6" and Smaller

Uses 100-01 Hytrol Valve

124-01A Bronze Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb* | Wt/Lb |
|------|--------------------|-------------------|--------------------|-------|
| 1/2 | \$ 694 | | | 8 |
| 3/4 | 694 | | | 8 |

124-01A Ductile Iron Body, Bronze Trim 3" and smaller

124-01Y Ductile Iron Body, Bronze Trim 4" and larger

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb* | Wt/Lb |
|-------|--------------------|-------------------|--------------------|-------|
| 1 | \$ 846 | \$ --- | \$ --- | 13 |
| 1-1/4 | 1158 | --- | --- | 17 |
| 1-1/2 | 1172 | 1274 | --- | 20 |
| 2 | 1197 | 1372 | 1445 | 40 |
| 2-1/2 | 1373 | 1616 | 1842 | 55 |
| 3 | 1551 | 1825 | 1730 | 75 |
| 4 | --- | 2297 | 2480 | 145 |
| 6 | --- | 3466 | 4104 | 290 |

Optional Features: See Page 3

1/2" - 6" Price includes 24" PVC Float Rod and SS Float (5-3/8" diameter).

For longer PVC Float Rods add \$ 25 per foot

For brass Float Rods add \$ 35 per foot

For stainless steel Float Rods add \$ 30 per foot (stainless steel stop collars are included)

Note: When ordering float control parts (rod, coupling, ball, etc.) please see Cla-Val Parts Price List for pricing

129-01 Modulating Float Valve

Uses 100-01 Hytrol Valve

129-01A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|-------|--------------------|-------------------|-------------------|-------|
| 1 | \$ 1643 | \$ --- | \$ --- | 17 |
| 1-1/4 | 1643 | --- | --- | 17 |
| 1-1/2 | 1643 | 1794 | --- | 20 |
| 2 | 1872 | 1747 | 1822 | 40 |
| 2-1/2 | 1995 | 2009 | 2234 | 55 |
| 3 | 2002 | 2128 | 2234 | 75 |

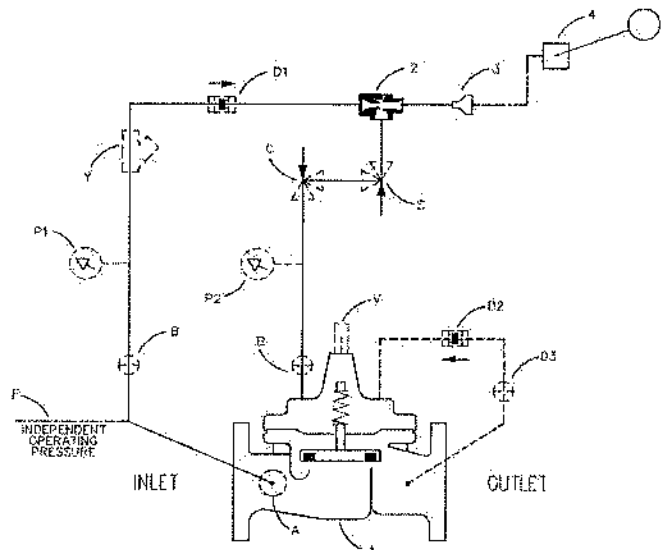
129-01BY Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|-------------------|-------------------|-------|
| 4 | \$ 2847 | \$ 3027 | 145 |
| 6 | 3993 | 4292 | 290 |
| 8 | 6491 | 7032 | 500 |
| 10 | 9055 | 9848 | 795 |
| 12 | 14632 | 15228 | 1175 |
| 14 | 25339 | 27317 | 1610 |
| 16 | 28252 | 29552 | 2280 |

18, 20, 24, 30, 36

*Consult Factory

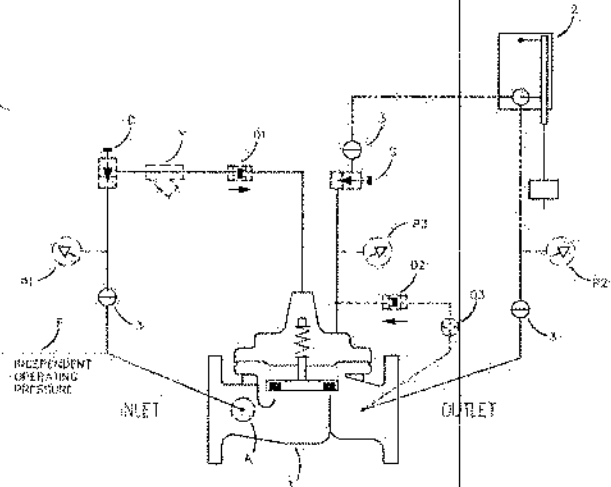
Optional Features: See Page 3

**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 X47A Ejector
- 3 Bell Reducer
- 4 CFM2 Float Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
B CK2 (Isolation valve)
C CV Flow Control (Closing)
D Check Valves with Isolation valve
F Independent Operating Pressure
P X141 Pressure Gauge
S CV Speed Control (Opening)
V X101 Valve Position Indicator
Y X43 "Y" Pattern Strainer



BASIC COMPONENTS

- 1 100-32 Hytrol (Main Valve)
- 2 CFM-9 Float Control (Model 428-01) or
- 2 CFM-9A Float Control (Model 428-03)
- 3 CK2 (Isolation Valve)

OPTIONAL FEATURES

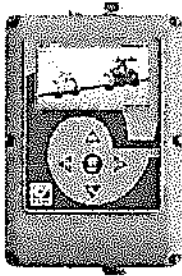
- A X46A Flow Clean Strainer
- C CNA Needle Valve (Closing)
- D Check Valve with Isolation valve
- F Independent Operating Pressure
- P X141 Pressure Gauge
- S CNB Needle Valve (Opening)
- Y X43 "Y" Strainer

Note: X101 or X105 Accessories not available
Note: It is recommended to install an 8" I.D. Stilling Well around the float ball and rod assembly

Note: When ordering float control parts (rod, coupling, ball, etc.) please see Cla-Val Parts Price List for pricing

| 428-01 • 428-03 Modulating Float Valve | | | | | |
|---|--------------------|-------------------|-------------------|--|-------|
| DO NOT USE FOR ON-OFF SERVICE | | | | | |
| Uses 100-32 Hytrol | | | | | |
| 428-01A • 428-03A Ductile Iron Body, Bronze Trim | | | | | |
| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | | Wt/Lb |
| 1-1/2 | \$ 2162 | \$ 2236 | \$ --- | | 15 |
| 2 | 2183 | 2247 | 2322 | | 35 |
| 2-1/2 | 2412 | 2431 | 2653 | | 50 |
| 3 | 2416 | 2642 | 2846 | | 70 |
| 428-01Y • 428-03Y Ductile Iron Body, Bronze Trim | | | | | |
| Isolation Valve Included | | | | | |
| Size | | Flanged 150 Lb | Flanged 300 Lb | | Wt/Lb |
| 4 | --- | \$ 3215 | \$ 3392 | | 140 |
| 6 | --- | 4317 | 4600 | | 285 |
| Optional Features: See Page 3 | | | | | |
| 428-01 modulates towards the closed position on rising level. | | | | | |
| 428-03 modulates towards the open position on rising level. | | | | | |
| Price includes 24" PVC Float Rod and SS Float (5-3/8" diameter). | | | | | |
| For longer PVC Float Rods add \$ 25 per foot | | | | | |
| For Brass Float Rods add \$ 35 per foot | | | | | |
| For stainless steel Float Rods add \$ 55 per foot (stainless steel stop collars are included) | | | | | |
| For CNA closing and CNB opening speed control add \$ 107 | | | | | |

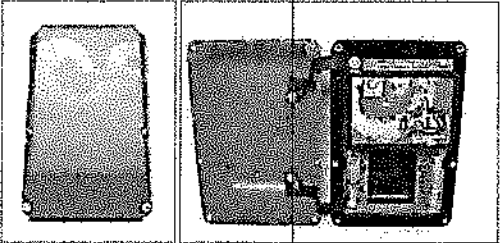
Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST



| Part Number | Price |
|-------------|------------|
| 20977401A | \$4,229.00 |



Note:
Mounting Bracket for the VC-22D and PC-22D is included in purchase price.



Complete EPC Assembly

| Part Number | Price |
|-------------|----------|
| 20971501C | \$578.00 |

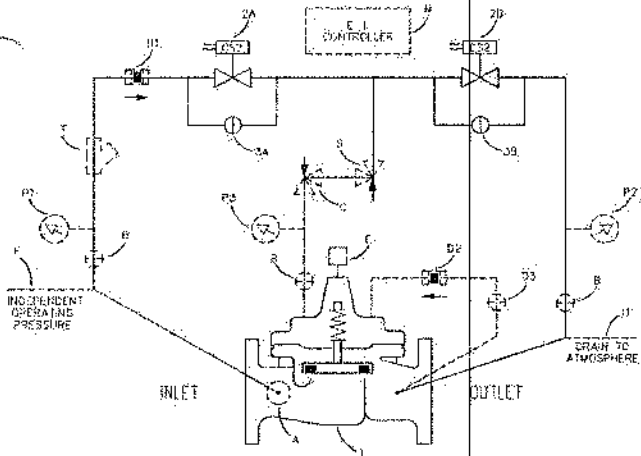


Complete EPC-1 Assembly*

| Part Number | Price |
|-------------|----------|
| 20875504C | \$105.00 |

* For Applications with Low Power Requirements

OCWUT 00032



BASIC COMPONENTS

- 1 100-01 Hytrol (Main Valve)
- 2 CS2 Solenoid Control
- 3 CK2 (Isolation valve)
- 4 (Solenoid Bypass)

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)

- C CV Flow Control (Closing)
- D Check Valves with (Isolation valve)
- E X117D Position Transmitter
- F Independent Operating Pressure
- H Atmospheric Drain
- N VC-22D Electronic Controller
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- Y X43Y Strainer

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

131-01 Electronic Control Valve

Uses 100-01 Hytrol Valve

131-01A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--------------------|-------|
| 1-1/2 | \$ 1433 | \$ 1534 | \$ — | 410 | 20 |
| 2 | 1449 | 1612 | 1684 | 410 | 40 |
| 2-1/2 | 1820 | 1783 | 2005 | 410 | 55 |
| 3 | 1871 | 2027 | 2131 | 410 | 75 |

131-01BY Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|--------------------|-------------------|-------------------|--------------------|-------|
| 4 | | \$ 2882 | \$ 3062 | 630 | 150 |
| 6 | | 4074 | 4330 | 630 | 295 |
| 8 | | 6515 | 7058 | 675 | 510 |
| 10 | | 9017 | 9812 | 1905 | 790 |
| 12 | | 14210 | 14807 | 1905 | 1175 |
| 14 | | 25391 | 27371 | 1905 | 1600 |
| 16 | | 27042 | 28340 | 1905 | 2265 |

18, 20, 24, 30, 36

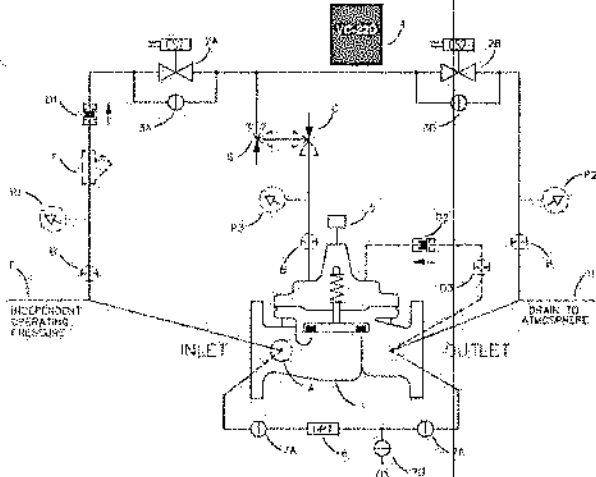
Consult Factory

Optional Features: See Page 3

For E feature add prices for X117D - See page 48

Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

For explosion-proof, water-tight solenoids add \$ 153 (2)



BASIC COMPONENTS

- 1 100-01 Hytrol (Main Valve)
- 2 CS2 Solenoid Control
- 3 CK2 (Isolation valve)
- 4 (Solenoid Bypass)
- 5 VC-22D
- 6 X117D Position Transmitter
- 7 Differential Pressure Transmitter
- 8 CK2 (Isolation valve)

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with (Isolation valve)

- F Independent Operating Pressure
- H Atmospheric Drain
- N VC-22D Electronic Controller
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- Y X43Y Strainer

133-01 Electronic Control Valve

Uses 100-01 Hytrol Valve

133-01A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--------------------|-------|
| 1-1/2 | \$7866 | \$4985 | \$ — | 410 | 20 |
| 2 | 7882 | 8041 | 8112 | 410 | 40 |
| 2-1/2 | 8245 | 8209 | 8427 | 410 | 55 |
| 3 | 8295 | 8448 | 8550 | 410 | 75 |

133-01BY Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|--------------------|-------------------|-------------------|--------------------|-------|
| 4 | | \$ 9286 | \$ 9463 | 630 | 150 |
| 6 | | 10455 | 10706 | 630 | 295 |
| 8 | | 12848 | 13381 | 675 | 510 |
| 10 | | 15301 | 16081 | 1905 | 790 |
| 12 | | 20392 | 20978 | 1905 | 1175 |
| 14 | | 31354 | 33295 | 1905 | 1600 |
| 16 | | 32973 | 34245 | 1905 | 2265 |

18, 20, 24, 30, 36

Consult Factory

Optional Features: See Page 3

For E feature add prices for X117D - See page 48

Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

For explosion-proof, water-tight solenoids add \$ 153 (2)

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

136-01 Solenoid Control Valve

Uses 100-01 Hytrol Valve

136-01A Bronze Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|--------------------|-------------------|-------------------|--------------------|-------|
| 1/2 | \$ 528 | \$ --- | \$ --- | 450 | 5 |
| 3/4 | 604 | --- | --- | 450 | 5 |

136-01A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--------------------|-------|
| 1 | \$ 672 | \$ --- | \$ --- | 450 | 17 |
| 1-1/4 | 849 | --- | --- | 450 | 27 |
| 1-1/2 | 857 | 1049 | 1200 | 450 | 27 |
| 2 | 896 | 1126 | 1391 | 450 | 40 |
| 2-1/2 | 1156 | 1169 | 1980 | 450 | 55 |
| 3 | 1218 | 1275 | 2254 | 450 | 85 |
| 4 | --- | 2140 | *CF | 450 | 145 |

Optional Features: See Page 3

Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

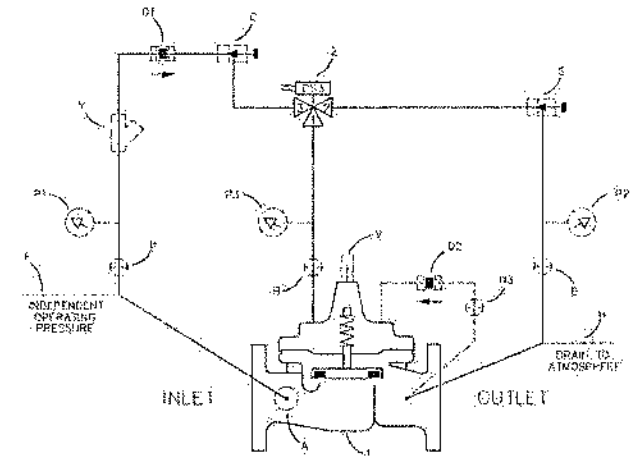
For explosion-proof, water-tight solenoid add \$77

For manual operator add \$54

For CNA opening speed control or closing speed control add \$107

Specify "Energized to Open Main Valve" or "De-energized to Open Main Valve"

*Consult Factory

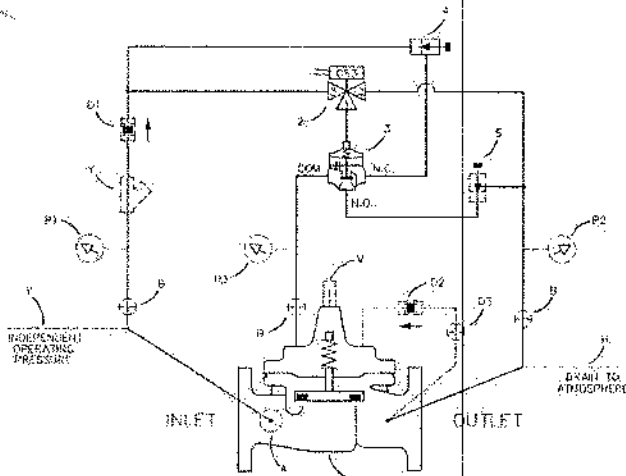
**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 CS3 Solenoid Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valves)
- C CNA Speed Control (Closing)
- D Check Valves with Isolation valve
- F Independent Operating Pressure
- H Atmospheric Drain
- P X141 Pressure Gauge
- S CNA Angle Needle Valve (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

**BASIC COMPONENTS**

- 1 100-01 Hytrol (Main Valve)
- 2 CS3 Solenoid Control
- 3 102C-3H Three-Way Valve
- 4 CNA Angle Needle Valve (Closing)

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- D Check Valves with Isolation valve
- F Independent Operating Pressure
- H Atmospheric Drain
- P X141 Pressure Gauge
- S CNA Angle Needle Valve (Opening)
- V X101 Valve Position Indicator
- Y X43Y Strainer

136-03 Solenoid Control Valve

With High Capacity Control System for Rapid Operation

Uses 100-01 Hytrol Valve

136-03BY Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb* | SST Pilot Adder | Wt/Lb |
|------|--------------------|-------------------|--------------------|--------------------|-------|
| 3 | \$ 2284 | \$ 2355 | \$ 2629 | 1140 | 68 |
| 4 | --- | 2902 | 3081 | 1140 | 150 |
| 6 | --- | 4146 | 4442 | 1140 | 295 |
| 8 | --- | 6584 | 7126 | 1200 | 510 |
| 10 | --- | 9040 | 9635 | 1200 | 790 |
| 12 | --- | 14635 | 15232 | 1200 | 1175 |
| 14 | --- | 25229 | 27207 | 1200 | 1600 |
| 16 | --- | 26865 | 28162 | 1200 | 2265 |

18, 20, 24, 30, 36

Consult Factory

Optional Features: See Page 3

Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

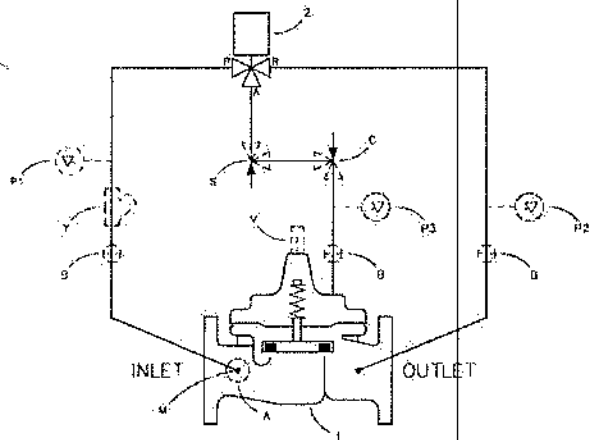
For explosion-proof, water-tight solenoid add \$77

For manual operator add \$54

For CNA opening speed control add \$107

Specify "Energized to Open Main Valve" or "De-energized to Open Main Valve"

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST



BASIC COMPONENTS
1 100-01 Hytrol (Main Valve)
2 CTC-33 Electronic Timer Control

OPTIONAL FEATURES
A X46A Flow-Clean Strainer
B CK2 (Isolation Valve)
C Check Valves with Isolation valve
D Independent Operating Pressure
E Atmospheric Drain
F X141 Pressure Gauge
G CNA Angle Needle Valve (Opening)
H X101 Valve Position Indicator
I X43Y Strainer

139-10 Battery-Powered Programmable Timer Control Valve
Uses 100-01 Hytrol Valve

| 139-10A Ductile Iron Body, Bronze Trim | | | | | |
|--|---------------------|--------------------|--|--------------------|--------|
| Size | Threaded 300 Lb. | Flanged 150 Lb. | | SST Pilot Adder | Wt/Lb. |
| 1/2 | \$ 910 | \$ --- | | 450 | 5 |
| 3/4 | 984 | | | | 5 |
| 1 | 1051 | --- | | 450 | 17 |
| 1-1/4 | 1224 | -- | | 450 | 27 |
| 1-1/2 | 1232 | 1420 | | 450 | 27 |
| 2 | 1270 | 1496 | | 450 | 40 |
| 2-1/2 | 1525 | 1538 | | 450 | 55 |
| 3 | 1586 | 1642 | | 450 | 85 |
| 4 | --- | 2490 | | 450 | 145 |
| Other Sizes | | Consult Factory | | | |

Optional Features: See Page 3
Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60
cycle AC; 6, 12, 24, 48, 120, 240 Volt DC
For CNA opening speed control add \$ 107

OCWUT 00032

210-01 Altitude Valve

One-Way Flow
Uses 100-01 Hytrol Valve

210-01A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|-------|--------------------|-------------------|-------------------|-------|
| 2 | \$ 3557 | \$ 3642 | CF* | 105 |
| 2-1/2 | 3948 | 4032 | CF* | 120 |
| 3 | 3953 | 4082 | CF* | 140 |

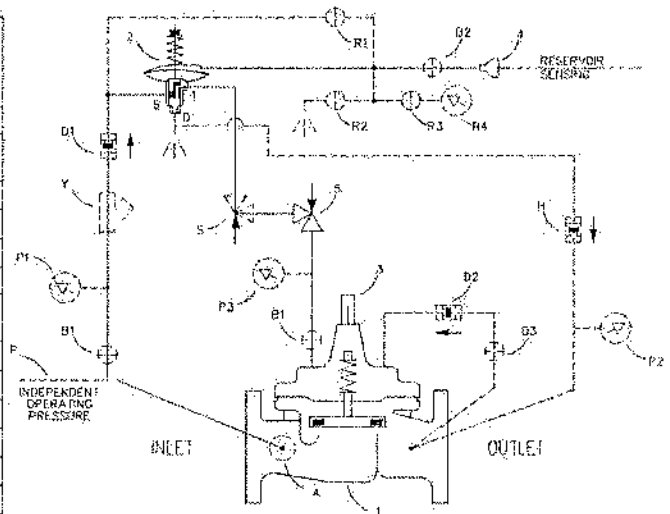
210-01BY Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|--------------------|-------------------|-------------------|-------|
| 4 | --- | \$ 4895 | CF* | 210 |
| 6 | --- | 6060 | CF* | 355 |
| 8 | --- | 8710 | CF* | 570 |
| 10 | --- | 9608 | CF* | 850 |
| 12 | --- | 14608 | CF* | 1235 |
| 14 | --- | 24143 | CF* | 1670 |
| 16 | --- | 25034 | CF* | 2335 |

18, 20, 24, 30, 36 *Consult Factory

When "D" feature is ordered, the "H" Feature is required Optional Features: See Page 3

Adjustment Ranges: 5-40, 30-80, 70-120, 110-160, 150-200 feet of water
When "R" feature (Reservoir Gauge with Tester) is ordered add \$201

**BASIC COMPONENTS**

- 100-01 Hytrol (Main Valve)
- CDS6A Altitude Control
- X101 Valve Position Indicator
- Bell Reducer
- CV Flow Control (Closing)

Optional Features

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- D Check Valve with Isolation valve
- F Independent Operating Pressure
- H CDC Check Valve
- P X141 Pressure Gauge
- R Reservoir Gauge with Tester
- S CV Speed Control (Opening)
- "Y" Strainer

210-03 Altitude Valve

One Way Flow Type w/ Delay Opening
Uses 100-01 Hytrol Valve

210-03A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|-------|--------------------|-------------------|-------------------|-------|
| 2 | \$4229 | \$ 4313 | CF* | 105 |
| 2-1/2 | 4613 | 4695 | CF* | 120 |
| 3 | 4617 | 4744 | CF* | 140 |

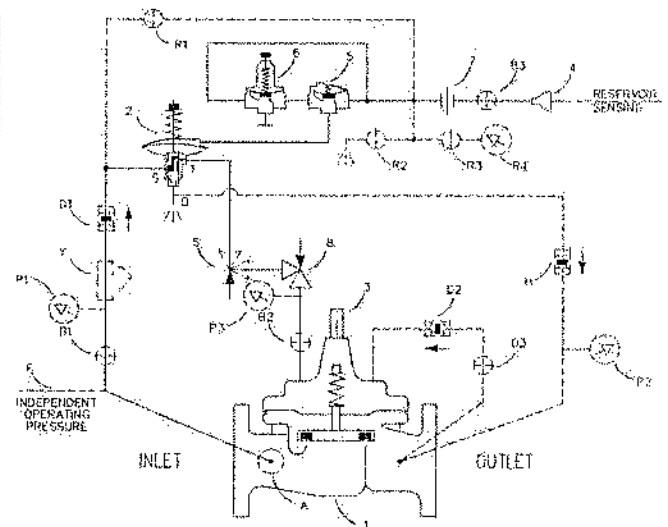
210-03BY Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|--------------------|-------------------|-------------------|-------|
| 4 | --- | \$ 5541 | CF* | 210 |
| 6 | --- | 6683 | CF* | 355 |
| 8 | --- | 9281 | CF* | 570 |
| 10 | --- | 10162 | CF* | 850 |
| 12 | --- | 15064 | CF* | 1235 |
| 14 | --- | 24412 | CF* | 1670 |
| 16 | --- | 26266 | CF* | 2335 |

18, 20, 24, 30, 36 *Consult Factory

When "D" feature is ordered, the "H" Feature is required Optional Features: See Page 3

Adjustment Ranges: 5-40, 30-80, 70-120, 110-160, 150-200 feet of water
When "R" feature (Reservoir Gauge with Tester) is ordered add \$201

**BASIC COMPONENTS**

- 100-01 Hytrol (Main Valve)
- CDS6A Altitude Control
- X101 Valve Position Indicator
- Bell Reducer
- 81-01 Check Valve
- CSC Swing Check
- CVC Flow Check Control
- CV Speed Control (Closing)

Optional Features

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- D Check Valve with Isolation valve
- F Independent Operating Pressure
- H CDC Check Valve
- P X141 Pressure Gauge
- R Reservoir Gauge with Tester
- S CV Speed Control (Opening)
- "Y" Strainer

211-01 Altitude Valve**One Way Flow Equipped with CDS7**

Uses 100-01 Hytrol Valve

211-01A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--------------------|-------|
| 2 | \$ 3360 | \$ 3444 | CF* | 500 | 105 |
| 2-1/2 | 3744 | 3826 | CF* | 500 | 120 |
| 3 | 3748 | 3875 | CF* | 500 | 140 |

211-01BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| 4 | --- | \$ 4672 | CF* | 950 | 210 |
| 6 | --- | 5614 | CF* | 950 | 355 |
| 8 | --- | 8412 | CF* | 1075 | 570 |
| 10 | --- | 9293 | CF* | 1200 | 850 |
| 12 | --- | 14135 | CF* | 1225 | 1235 |
| 14 | --- | 23543 | CF* | 1315 | 1670 |
| 16 | --- | 25397 | CF* | 1475 | 2335 |

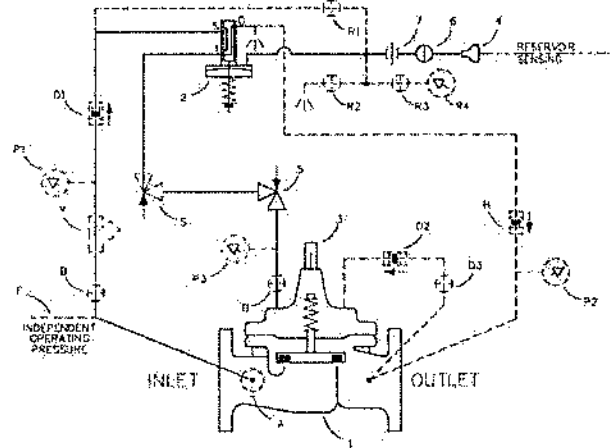
18, 20, 24, 30, 36 *Consult Factory

When "D" feature is ordered, the "H" Feature is required Optional Features: See Page 3

Adjustment Ranges: 5-40, 10-78 feet of water

When "R" feature (Reservoir Gauge with Tester) is ordered add \$201

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

**BASIC COMPONENTS**

- 100-01 Hytrol (Main Valve)
- CDS7 Altitude Control
- X101 Valve Position Indicator
- Bell Reducer
- CV Speed Control (Closing)
- CK2 (Isolation Valve)
- Union

Optional Features

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- D Check Valve with Isolation valve
- F Independent Operating Pressure
- H CDC Check Valve
- P X141 Pressure Gauge
- R Reservoir Gauge with Tester
- S CV Speed Control (Opening)
- "Y" Strainer

211-03 Altitude Valve**One Way Flow Type w/ Delayed Opening**

Uses 100-01 Hytrol Valve

211-03A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|-------|--------------------|-------------------|-------------------|--------------------|-------|
| 2 | \$ 3795 | \$ 3879 | CF* | 500 | 105 |
| 2-1/2 | 4179 | 4261 | CF* | 500 | 120 |
| 3 | 4183 | 4310 | CF* | 500 | 140 |

211-03BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| 4 | --- | \$ 5107 | CF* | 950 | 210 |
| 6 | --- | 6249 | CF* | 950 | 355 |
| 8 | --- | 8847 | CF* | 1075 | 570 |
| 10 | --- | 9728 | CF* | 1200 | 850 |
| 12 | --- | 14630 | CF* | 1225 | 1235 |
| 14 | --- | 23978 | CF* | 1315 | 1670 |
| 16 | --- | 25832 | CF* | 1475 | 2335 |

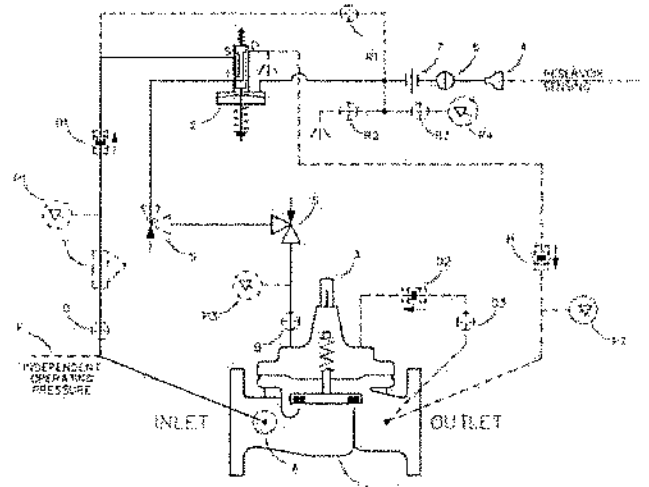
18, 20, 24, 30, 36 *Consult Factory

When "D" feature is ordered, the "H" Feature is required Optional Features: See Page 3

Adjustment Ranges: 5-40, 10-78 feet of water

When "R" feature (Reservoir Gauge with Tester) is ordered add \$201

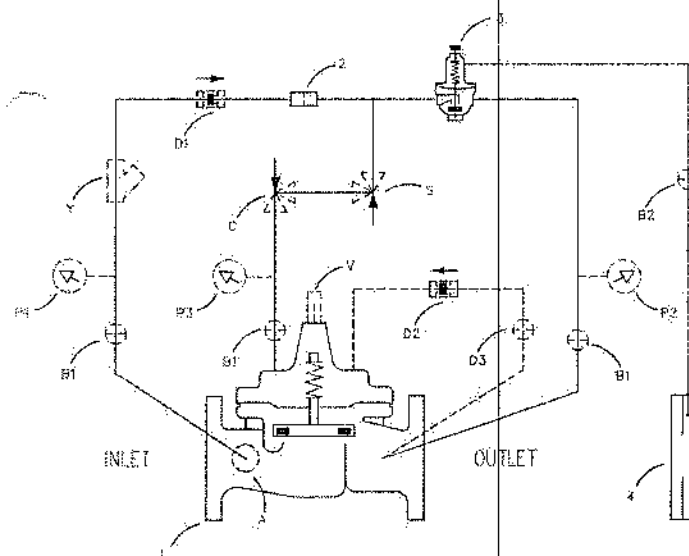
Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

**BASIC COMPONENTS**

- 100-01 Hytrol (Main Valve)
- CDS7DO
- X101 Valve Position Indicator
- Bell Reducer
- CV Speed Control (Closing)
- CK2 (Isolation Valve)
- Union

Optional Features

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- D Check Valve with Isolation valve
- F Independent Operating Pressure
- H CDC Check Valve
- P X141 Pressure Gauge
- R Reservoir Gauge with Tester
- S CV Speed Control (Opening)
- "Y" Strainer



BASIC COMPONENTS

- 1 100-20 Hydrol (Main Valve)
- 2 X58C Restriction Fitting
- 3 CDHS18 Differential Control
- 4 X52E Orifice Plate Assembly

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with Isolation valve
- F X141 Pressure Gauge
- S CV Speed Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

640-01 Rate of Flow Control Valve

Uses 100-20 Hytrol
Includes Orifice Plate Assembly

640-01A Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | WWLb. |
|------|----|--------------------|--------------------|--------------------|-------|
| 3 | -- | \$ 2489 | CF* | 725 | 70 |
| 4† | -- | 2813 | CF* | 725 | 100 |

640-01BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | WVLb |
|------|-----|-------------------|-------------------|--------------------|------|
| 6† | --- | \$ 4146 | CF* | 1050 | 180 |
| 8† | -- | 5975 | CF* | 1115 | 300 |
| 10 | --- | 7784 | CF* | 1115 | 485 |
| 12 | --- | 12364 | CF* | 1115 | 830 |
| 14 | --- | CF* | CF* | 1115 | 1250 |
| 16 | --- | 20455 | CF* | 1115 | 1300 |
| 18 | --- | CF* | CF* | CF* | 2733 |
| 20 | -- | 42862 | CF* | CF* | 2800 |
| 24 | --- | 50485 | CF* | CF* | 3000 |

30, 36, 42, 48

†Angle Pattern Available; Consult Factory for Pricing.

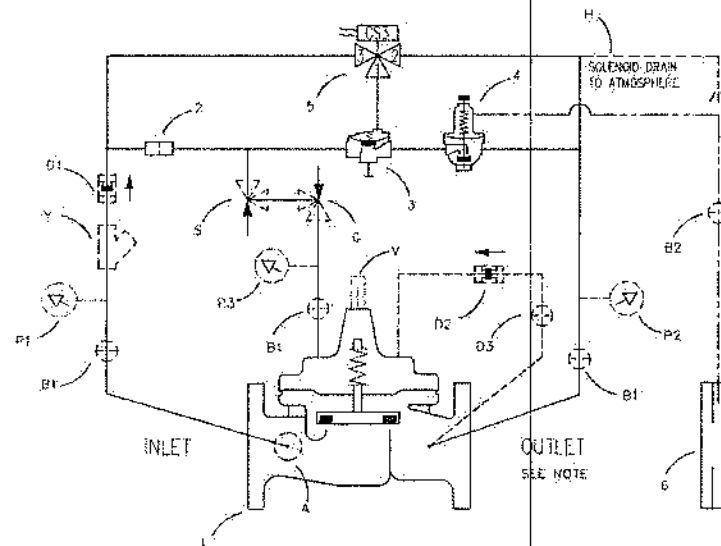
Optional Features: See Page 4

When ordering specify minimum, normal, maximum GPM

Available with electronic-actuated control. Consult factory for information and prices

*Consult Factory

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST



BASIC COMPONENTS

- BASIC COMPONENTS**
- 1 100-20 Hytrol Main Valve
 - 2 X58C Restriction Fitting
 - 3 100-01 Hytrol (Reverse Flow)
 - 4 CDHS18 Differential Control
 - 5 CS3 Solenoid Control
 - 6 X52E Orifice Plate Assembly

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C Closing Speed Control
- D Check Valves with Isolation valve
- H Drain to Atmosphere
- X141 Pressure Gauges
- S Opening Speed Control
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

643-01 Combination Rate of Flow and Solenoid Shutoff Valve

Uses 100-20 Hytrol Valve Includes Orifice Plate Assembly

643-01A Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | Wt/Lb |
|------|--------------------|--------------------|--------------------|-------|
| 3 | \$ 2375 | \$ 2650 | 950 | 70 |
| 4 | 3453 | 3818 | 950 | 100 |

643-01BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | Wt/Lb |
|----------------|--|--------------------|--------------------|--------------------|-------|
| 6 | | \$ 4963 | \$ 5654 | 1315 | 180 |
| 8 | | 7199 | 8220 | 1385 | 300 |
| 10 | | 8964 | 9589 | 1385 | 485 |
| 12 | | 15494 | 16229 | 1385 | 830 |
| 14 | | *CF | *CF | *CF | 1250 |
| 16 | | *CF | *CF | *CF | 1300 |
| 18 | | *CF | *CF | *CF | 2633 |
| 20 | | *CF | *CF | *CF | 2800 |
| 24 | | *CF | *CF | *CF | 3000 |
| 30, 36, 42, 48 | | *CF | *CF | *CF | *CF |

Optional Features: See Page 4

Voltage Available: 24, 110, 220, 240 Volt 50 cycle AC; 6, 12, 48, 120, 240 Volt DC

For explosion-proof, water-tight solenoid add \$37

For manual operator add \$84

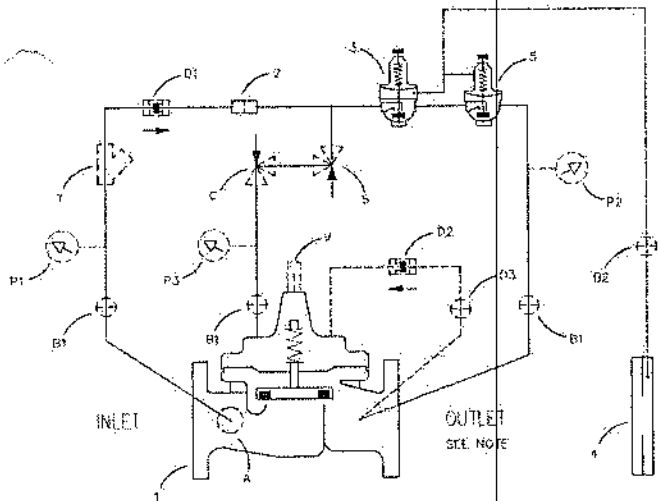
Specify minimum, normal, maximum GPM:

Specify "Energized to Open Main Valve" or "De-energized to Open Main Valve"

Available with electronic actuated control,

*Consult factory for information and prices.

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST



BASIC COMPONENTS

- 1 100-20 Hytrol (Main Valve)
- 2 X58C Restriction Fitting
- 3 CRA Pressure Reducing Control
- 4 X52E Orifice Plate Assembly
- 5 CDHS18 Differential Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with Isolation valve
- P X141 Pressure Gauge
- S CV Speed Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

**649-01 Combination Rate of Flow and
Pressure Reducing Valve**

Uses 100-20 Hytrol
Includes Orifice Plate Assembly

649-01A Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| 3 | --- | \$ 2910 | CF* | 1225 | 70 |
| 4† | --- | 3123 | CF* | 1225 | 100 |

649-01BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| 6† | --- | \$ 4616 | CF* | 1575 | 180 |
| 8† | --- | 6458 | CF* | 1625 | 300 |
| 10 | --- | 8308 | CF* | 1625 | 485 |
| 12 | --- | 12955 | CF* | 1625 | 830 |
| 14 | --- | CF* | CF* | 1625 | 1250 |
| 16 | --- | 21152 | CF* | 1625 | 1300 |
| 18 | --- | CF* | CF* | CF* | 2733 |
| 20 | --- | 43523 | CF* | CF* | 2800 |
| 24 | --- | 51148 | CF* | CF* | 3000 |

30, 36, 42, 48

*Consult Factory

†Angle Pattern Available, Consult Factory for Pricing.

Optional Features: See Page 4

When ordering specify minimum, normal, maximum gpm and psi

Downstream Pressure Range: 2-30, 15-75, 20-105, 30-300 psi

Available with electronic actuated control;

Consult factory for information and prices

*Consult Factory

Add price of SST Pilot to list price of valve to change from Standard.
Copper/Brass Pilot to SST

OCWUT 00032

650-01 Pressure Relief/Pressure Sustaining Valve

Uses 100-20 Hytrol

650-01 Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|---|-----|-------------------|-------------------|--------------------|-------|
| 3 | --- | \$ 2011 | CF* | 365 | 60 |
| 4† | --- | 2173 | CF* | 365 | 90 |
| 650-01B Ductile Iron Body, Bronze Trim | | | | | |
| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
| 6† | --- | \$ 2996 | CF* | 1025 | 160 |
| 8† | --- | 4668 | CF* | 1090 | 280 |
| 10 | --- | 6870 | CF* | 1090 | 440 |
| 12 | --- | 11396 | CF* | 1090 | 780 |
| 14 | --- | CF* | CF* | 1090 | 1250 |
| 16 | --- | 19041 | CF* | 1090 | 1210 |
| 18 | --- | CF* | CF* | CF* | 2733 |
| 20 | --- | 38019 | CF* | CF* | 2740 |
| 24 | --- | 42195 | CF* | CF* | 2940 |
| 30, 36, 42, 48 | | *Consult Factory | | | |

†Angle Pattern Available, Consult Factory for Pricing.

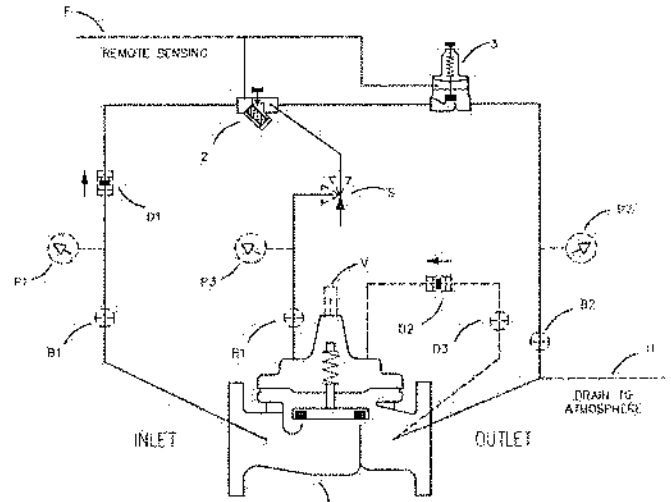
Optional Features: See Page 4.

Adjustment Range CRL: 0-75, 20-200 psi

For adjustment range of 100-300 psi add \$ 184

For adjustment range of 250-600 psi add \$ 582

Available with electronic actuated control, Consult factory for information and prices

**BASIC COMPONENTS**

- 1 100-20 Hytrol (Main Valve)
- 2 X42N-2 Strainer & needle valve
- 3 CRL-60 Pressure Relief Control

OPTIONAL FEATURES

- B CK2 (Isolation Valves)
- D Check Valves with Isolation valve
- F Remote Sensing
- H Atmospheric Drain
- P X141 Pressure Gauge
- S CV Speed Control (Opening)
- V X101 Valve Position Indicator

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST.

652-03 Pressure Relief/Pressure Sustaining Valve

Uses 100-20 Hytrol

Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|----------------|-----|-------------------|-------------------|-------|
| 4† | --- | \$ 4855 | CF* | 115 |
| 6† | --- | 5522 | CF* | 180 |
| 8† | --- | 7117 | CF* | 300 |
| 10 | --- | 9461 | CF* | 460 |
| 12 | --- | 14683 | CF* | 800 |
| 14 | --- | CF* | CF* | 1250 |
| 16 | --- | 22016 | CF* | 1235 |
| 18 | --- | CF* | CF* | 2733 |
| 20 | --- | 40700 | CF* | 2750 |
| 24 | --- | 45695 | CF* | 2950 |
| 30, 36, 42, 48 | | *Consult Factory | | |

†Angle Pattern Available, Consult Factory for Pricing.

Optional Features: See Page 4.

Adjustment Range CRA: 2-30, 15-75, 20-105, 30-300 psi

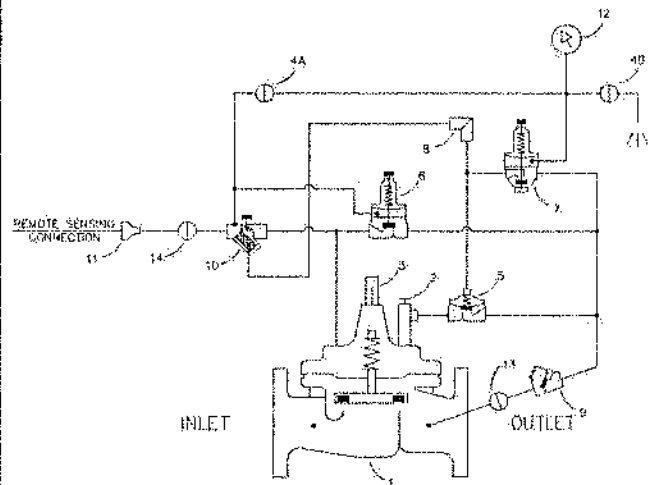
Adjustment Range CRL: 0-75, 20-200 psi

For adjustment range of 100-300 psi add \$ 134

For adjustment range of 250-600 psi add \$ 582

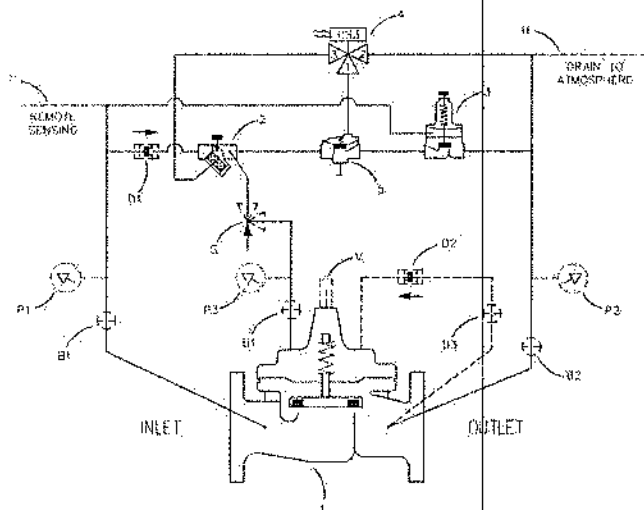
Note: X101 or X105L Accessories not available in 6" and smaller sizes.

Available with electronic actuated control, Consult factory for information and prices

**BASIC COMPONENTS**

- 1 100-20 Hytrol (Main Valve)
- 2 X102F Flow Limiter
- 3 X101 Valve Position Indicator
- 4 CNA Needle Valve
- 5 100-01 Hytrol (Reverse Flow)
- 6 CRL-60 Pressure Relief Control
- 7 CRA Pressure Reducing Control

- 8 X58B Restriction Tube Assembly
- 9 CSC Swing Check Valve
- 10 X42N-3 Strainer-Needle Valve
- 11 Bell Reducer
- 12 Pipe Plug
- 13 CK2 (Isolation Valve)
- 14 CK2 (Isolation Valves)



- BASIC COMPONENTS**
- 1 100-20 Hytrol (Main Valve)
 - 2 X42N-3 Strainer Needle Valve
 - 3 CRL-60 Pressure Relief Control
 - 4 CS3 Solenoid Control
 - 5 100-01 Hytrol (Reverse Flow)

- OPTIONAL FEATURES**
- B CK2 (Isolation Valve)
 - D Check Valves with Isolation valve
 - F Remote Pilot Sensing
 - H Drain to Atmosphere
 - P X141 Pressure Gauge
 - S CV Speed Control (Opening)
 - V X101 Valve Position Indicator

**658-01 Combination Back Pressure and
Solenoid Shutoff Valve**
Uses 100-20 Hytrol

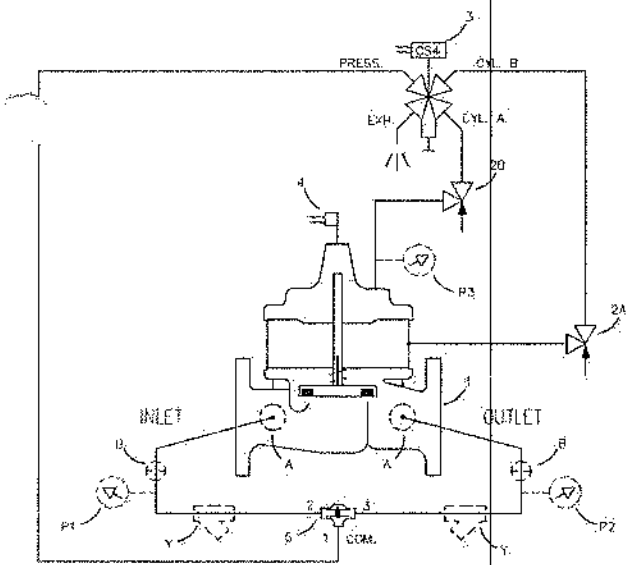
| 658-01 Ductile Iron Body, Bronze Trim | | | | | |
|--|-----|-------------------|-------------------|--------------------|-------|
| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
| 3 | --- | \$ 2540 | CF* | 1175 | 60 |
| 4† | --- | 3135 | CF* | 1175 | 95 |
| 658-01B Ductile Iron Body, Bronze Trim | | | | | |
| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
| 6† | --- | \$ 3636 | CF* | 1425 | 165 |
| 8† | --- | 5116 | CF* | 1500 | 285 |
| 10 | --- | 7952 | CF* | 1500 | 445 |
| 12 | --- | 13077 | CF* | 1500 | 785 |
| 14 | --- | CF* | CF* | 1500 | 1250 |
| 16 | --- | 21078 | CF* | 1500 | 1220 |
| 18 | --- | CF* | CF* | CF* | 2733 |
| 20 | --- | 37477 | CF* | CF* | 2720 |
| 24 | --- | 45103 | CF* | CF* | 2920 |
| 30, 36, 42, 48 | | *Consult Factory | | | |

†Angle Pattern Available. Consult Factory for Pricing

Optional Features: See Page 4
Adjustment Ranges: 0-75, 20-200 psi
For adjustment range of 100-300 psi add \$ 184
For adjustment range of 250-600 psi add \$ 582
Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 Volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC
For explosion-proof water-tight solenoid add \$ 77
For manual operator add \$ 84
Available with electronic actuated control, Consult factory for information and prices

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

OCWUT 00032



BASIC COMPONENTS

- 1 100-22 Powercheck (Main Valve)
- 2 CV Flow Control
- 3 CS4SM Solenoid Control
- 4 X105LCW Switch Assembly
- 5 CVS-1 Shuttle Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- P X141 Pressure Gauge
- Y X43 "Y" Strainer

660-08 Booster Pump Control Valve

Uses 100-22 Powercheck

660-08BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| 12 | --- | \$ 20888 | CF* | 1650 | 970 |
| 14 | --- | 21590 | CF* | 1650 | 1450 |
| 16 | --- | 32509 | CF* | 1650 | 1700 |
| 18 | --- | 48492 | CF* | CF* | 2733 |
| 20 | --- | 57500 | CF* | CF* | 3200 |
| 24 | --- | 61690 | CF* | CF* | 3400 |

Optional Features: See Page 4

Voltage Available: 120, Volt 60 cycle AC

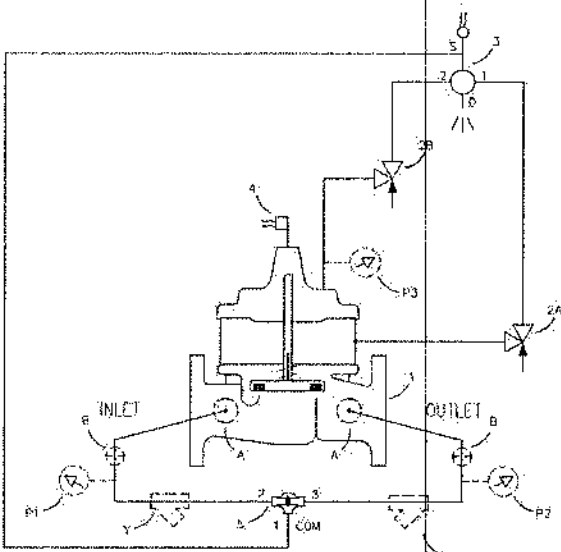
Explosion-proof water-tight solenoid included standard

For 12" and smaller sizes see Cla-Val Model 660-11

*Consult factory

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

Includes standard bronze bodied CS4SM



BASIC COMPONENTS

- 1 100-22 Powercheck (Main Valve)
- 2 CV Flow Control
- 3 CSM-11-A2-2 Solenoid Control
- 4 X105LCW Switch Assembly
- 5 CVS-1 Shuttle Valve

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- P X141 Pressure Gauge
- Y X43 "Y" Strainer

660-11 Booster Pump Control Valve

Uses 100-22 Powercheck

660-11BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb† | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|--------------------|--------------------|-------|
| 4† | --- | \$ 5644 | CF* | 1300 | 115 |
| 6† | --- | 6248 | CF* | 1300 | 200 |
| 8† | --- | 8401 | CF* | 1300 | 340 |
| 10 | --- | 11795 | CF* | CF* | 680 |
| 12 | --- | CF* | CF* | CF* | 970 |

†Angle Pattern Available, Consult Factory for Pricing

Optional Features: See Page 4

CSM-11 Solenoid Voltage Available: 120, 240, 480 Volts, 60-cycle
alternating current.

‡ Maximum pressure 300 psi, for higher pressure please.

*Consult Factory

For 12" and larger sizes see Cla-Val Model 660-08.

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

Includes standard bronze bodied CS4SM

OCWUT 00032

690-01 Pressure Reducing Valve

Uses 100-20 Hytrol

690-01AS Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| 3 | --- | \$ 1700 | 1704 | 1075 | 60 |
| 4† | --- | 1952 | 2568 | 1075 | 90 |

690-01BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|----------------|-----|-------------------|-------------------|--------------------|-------|
| 6† | --- | \$ 2782 | 3510 | 1215 | 160 |
| 8† | --- | 4454 | 6046 | 1300 | 280 |
| 10 | --- | 8528 | 8468 | 1300 | 440 |
| 12 | --- | 11103 | 14107 | 1300 | 780 |
| 14 | --- | CF* | CF* | 1300 | 1250 |
| 16 | --- | 19121 | CF* | 1300 | 1210 |
| 18 | --- | CF* | CF* | CF* | 2733 |
| 20 | --- | 37900 | CF* | CF* | 2730 |
| 24 | --- | 42082 | CF* | CF* | 2930 |
| 30, 36, 42, 48 | | *Consult Factory | | | |

†Angle Pattern Available, Consult Factory for Pricing.

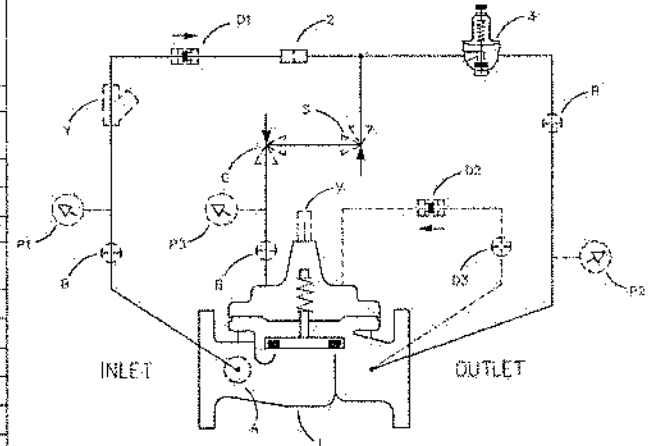
Optional Features: See Page 4

Downstream Pressure Range: 2-30, 15-75, 20-105, 30-300 psi

For Higher Pressures Consult Factory

Opening Speed Control included in prices for 3" - 4".

Available with electronic actuated control, Consult factory for information and prices

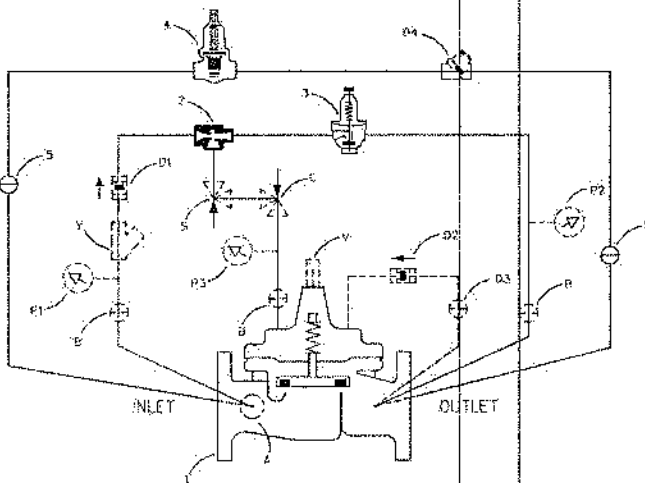
**BASIC COMPONENTS**

- 100-20 Hytrol (Main Valve)
- X58C Restriction Fitting
- CRD Pressure Reducing Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with Isolation Valve
- P X141 Pressure Gauge
- S CV Speed Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

**BASIC COMPONENTS**

- 100-20 Hytrol (Main Valve)
- X47A Ejector
- CRD Pressure Reducing Control
- CRD-L Pressure Reducing Valve
- CK2 (Isolation Valves)

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valves)
- C CV Flow Control - Closing
- D Check Valves with Isolation Valve
- P X141 Pressure Gauge
- S CV Speed Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

**690-48 Pressure Reducing Valve
with Low Flow By-Pass**

Uses 100-20 Hytrol

**690-48BY Ductile Iron Body, Bronze Trim
Includes Opening Speed Control**

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| 3 | --- | \$ 2271 | CF* | 1200 | 45 |
| 4† | --- | 2689 | CF* | 1200 | 85 |

690-48BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| 6† | --- | \$ 3385 | CF* | 1575 | 193 |
| 8† | --- | 5210 | CF* | CF* | 330 |

†Angle Pattern Available, Consult Factory for Pricing.

Price includes 1/2" or 3/4" CRD-L as standard

Larger sizes of the 690-48 are available - Price upon request

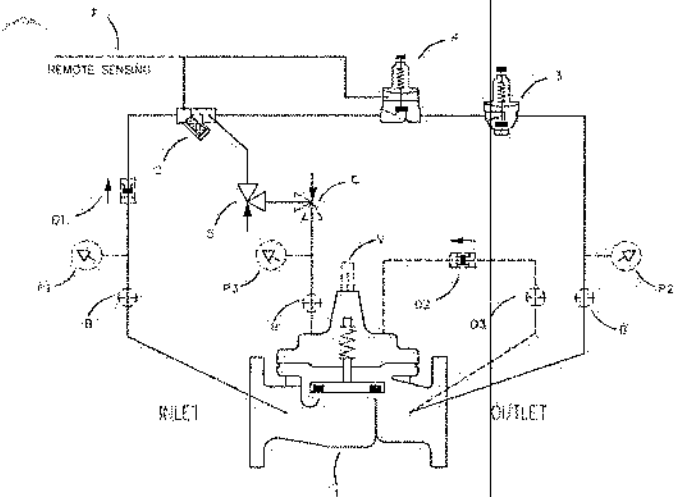
Optional Features: See Page 4

Adjustment Ranges CRD: 2-30, 15-75, 20-105, 30-300 psi

Adjustment Ranges CRD-L: 15-65 psi, 25-100 psi, 80-180 psi

Available with electronic actuated control, Consult factory for information and prices

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST



BASIC COMPONENTS

- 1 100-20 Hytrol (Main Valve)
- 2 X44A Strainer & Orifice
- 3 CRD Pressure Reducing Control
- 4 CRL-60 Pressure Relief Control
- 5 CV Flow Control - Opening

OPTIONAL FEATURES

- B CK2 (Isolation Valves)
- C CV Flow Control - Closing
- D Check Valves with Isolation valve
- F Remote Sensing
- P X141 Pressure Gauge
- V X101 Valve Position Indicator

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

**692-01 Combination Pressure Reducing
and Pressure Sustaining Valve**

Uses 100-20 Hytrol

**692-01 Ductile Iron Body, Bronze Trim
Includes Opening Speed Control**

| Size | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-------------------|-------------------|--------------------|-------|
| 3 | \$ 2487 | 2183 | 1715 | 60 |
| 4† | 2695 | 2790 | 1715 | 90 |

692-01BY Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|----------------|-------------------|-------------------|--------------------|-------|
| 6† | \$ 3409 | 3996 | 1950 | 160 |
| 8† | 4942 | 6528 | 2000 | 280 |
| 10 | 7078 | 8945 | 2000 | 440 |
| 12 | 11463 | 14585 | 2000 | 780 |
| 14 | CF* | CF* | 2000 | 1250 |
| 16 | 19758 | CF* | 2000 | 1380 |
| 18 | CF* | CF* | CF* | 2733 |
| 20 | 38443 | CF* | CF* | 2751 |
| 24 | 42654 | CF* | CF* | 2930 |
| 30, 36, 42, 48 | *Consult Factory | | | |

†Angle Pattern Available, Consult Factory for Pricing..

Optional Features: See Page 4

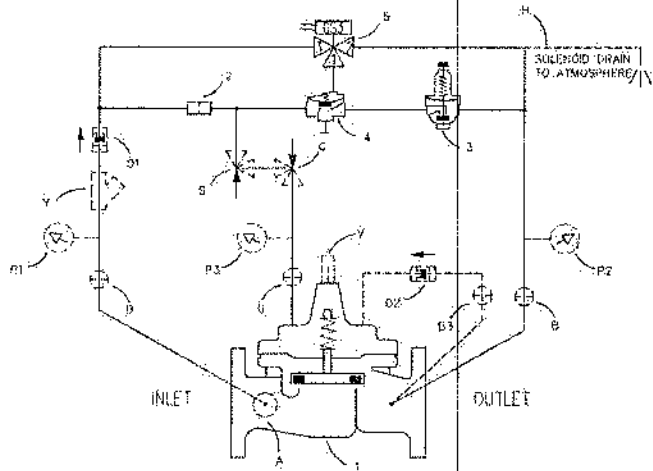
Adjustment Range CRD: 2-30, 15-75, 20-105, 30-300 psi

Adjustment Range CRL: 0-75, 20-200-psi

For adjustment range of 100-300 psi add \$184

For adjustment range of 250-600 psi add \$582

Available with electronic actuated control, Consult factory for information and prices



BASIC COMPONENTS

- 1 100-20 Hytrol (Main Valve)
- 2 X58C Restriction Tube Fitting
- 3 CRD Pressure Reducing Control
- 4 100-01 Hytrol (Reverse Flow)
- 5 CS3 Solenoid Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valves)
- C Flow Control (Closing)
- D Check Valves with Isolation valve
- H Solenoid Drain to Atmosphere
- P X141 Pressure Gauge
- S CV Speed Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

**693-01 Combination Pressure Reducing and Solenoid Shutoff
Valve**

Uses 100-20 Hytrol

**693-01AS Ductile Iron Body, Bronze Trim
Includes Opening Speed Control**

| Size | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-------------------|-------------------|--------------------|-------|
| 3 | --- | CF* | 1010 | 60 |
| 4† | --- | CF* | 1010 | 90 |

693-01BY Ductile Iron Body, Bronze Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|----------------|-------------------|-------------------|--------------------|-------|
| 6† | --- | CF* | 1400 | 160 |
| 8† | --- | CF* | 1475 | 280 |
| 10 | --- | CF* | 1475 | 440 |
| 12 | --- | CF* | 1475 | 780 |
| 14 | --- | CF* | 1475 | 1250 |
| 16 | --- | CF* | 1475 | 1380 |
| 18 | --- | CF* | CF* | 2733 |
| 20 | --- | CF* | CF* | 2730 |
| 24 | --- | CF* | CF* | 2930 |
| 30, 36, 42, 48 | *Consult Factory | | | |

†Angle Pattern Available, Consult Factory for Pricing.

Optional Features: See Page 4

Adjustment Range: 2-30, 15-75, 20-105, 30-300 psi

For explosion-proof, water-tight solenoid add \$ 77

For manual operator add \$ 84

Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

Specify "Energized to Open Main Valve" or "De-energized to Open Main Valve" when ordering

Available with electronic actuated control, Consult factory for information and prices

**694-01 Combination Pressure Reducing
and Surge Control Valve**

Uses 100-20 Hytrol valve

694-01AS Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | Wt/Lb |
|------|-----|--------------------|--------------------|--------------------|-------|
| 3 | --- | \$ 2076 | \$ 2346 | 1275 | 70 |
| 4 | --- | 2666 | 2938 | 1275 | 100 |

694-01BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb. | Flanged 300 Lb. | SST Pilot Adder | Wt/Lb |
|----------------|-----|--------------------|--------------------|--------------------|-------|
| 6 | --- | \$ 3306 | \$ 4146 | 1675 | 170 |
| 8 | --- | 5501 | 6576 | 1750 | 290 |
| 10 | --- | 8324 | 9999 | 1750 | 450 |
| 12 | --- | 13847 | 14743 | 1750 | 790 |
| 14 | --- | *CF | *CF | 1750 | 1150 |
| 16 | --- | *CF | *CF | 1750 | 1230 |
| 18 | --- | *CF | *CF | CF* | 2633 |
| 20 | --- | *CF | *CF | CF* | 2730 |
| 24 | --- | *CF | *CF | CF* | 2950 |
| 30, 36, 42, 48 | | *CF | *CF | CF* | *CF |

Optional Features: See Page 4

Adjustment Ranges:

Pressure Reducing Control (CRD): 2-30, 15-75, 20-105, 30-300 psi

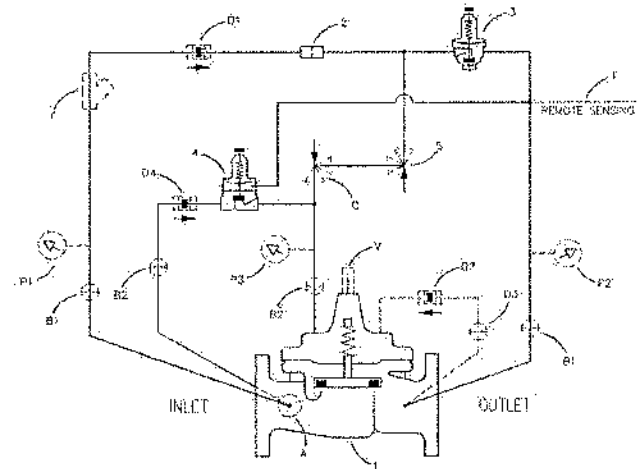
Surge Control (CRL): 0-75, 20-105, 20-200 psi

Adjustment Range CRL: 100-300 psi add \$ 180

Adjustment Range CRL18: 250-600 psi add \$ 571

Available with electronic actuated control,

*Consult factory for information and prices.

**BASIC COMPONENTS**

- 1 100-20 Hytrol (Main Valve)
- 2 X58C Restriction Tube Fitting
- 3 CRD Pressure Reducing Control
- 4 CRL-60KR Pressure Relief Control (Rev. Flow)

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valves)
- C CV Flow Control
- D Check Valves with Isolation Valve
- P X141 Pressure Gauges
- S Opening Speed Control
- V X101 Valve Position Indicator
- V X43 "Y" Strainer

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

**698-06 Hydraulic Pressure Management
Control Valve with Dual Setpoints**

Uses 100-20 Hytrol Valve

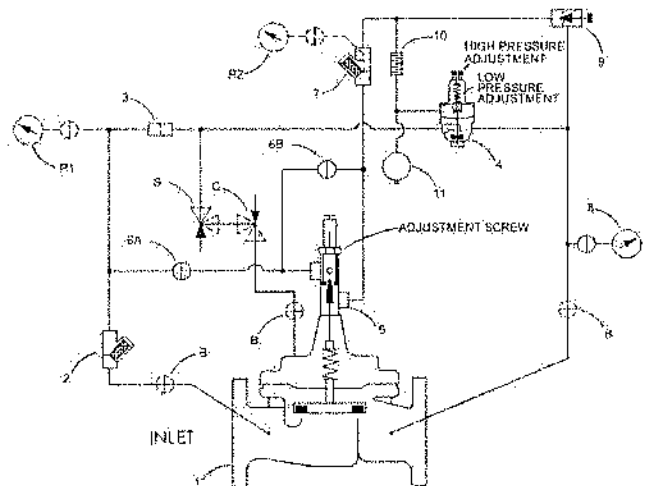
**698-06B Ductile Iron Body, Bronze Trim
Includes Opening Speed Control**

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | | Wt/Lb |
|------|--------------------|-------------------|-------------------|--|-------|
| 3 | \$--- | \$ 3970 | CF* | | 80 |

698-06B Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | | Wt/Lb |
|------|-----|-------------------|-------------------|--|-------|
| 4 | --- | \$ 4944 | CF* | | 150 |
| 6 | --- | 5879 | CF* | | 295 |
| 8 | --- | 7554 | CF* | | 510 |
| 10 | --- | 9633 | CF* | | 790 |
| 12 | --- | CF* | CF* | | 1175 |

Optional Features: See Page 4

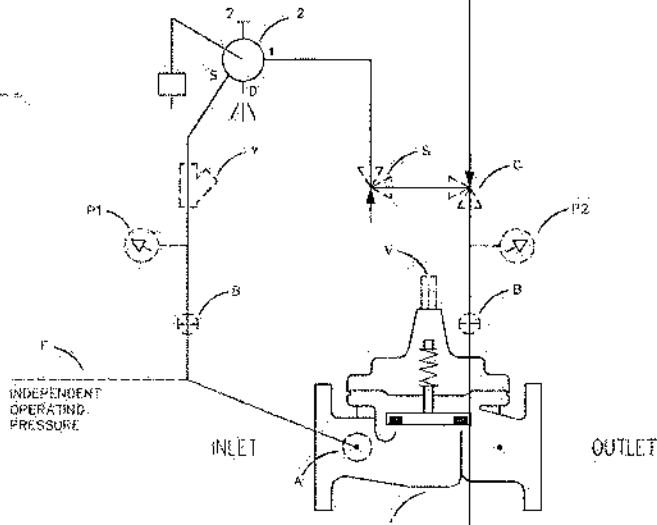
**BASIC COMPONENTS**

- 1 Hytrol (Main Valve)
- 2 X43 "Y" Strainer
- 3 X58C Restriction Fitting
- 4 CPM-A Pressure Management Control
- 5 X78-4 Stem Assembly + X101
- 6 CK2 (Isolation Valve)
- 7 X44 Strainer Orifice Assembly
- 8 X141 Gauge Assembly

- 9 B120 Needle Valve
- 10 X58E Restriction Assembly
- 11 Accumulator (Air Charged)

OPTIONAL FEATURES

- A CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- P X141 Pressure Gauge
- S CV Flow Control (Opening)



BASIC COMPONENTS
1 100-20 Hytrol (Main Valve)
2 CF1-C1 Float Control

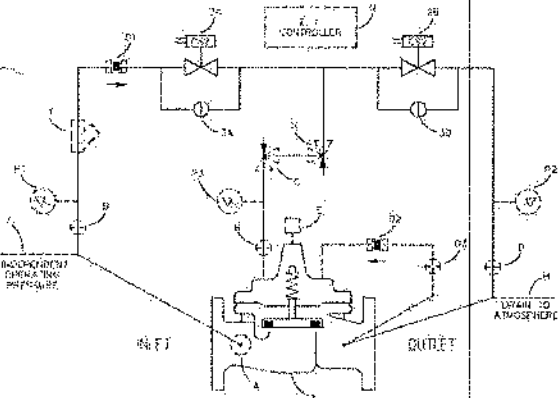
OPTIONAL FEATURES
A X46A Flow Clean Strainer
B CK2 (Isolation Valve)
C CV Flow Control (Closing)
F Independent Operating Pressure
P X141 Pressure Gauge
S CV Speed Control (Opening)
V X101 Valve Position Indicator
Y X43 "Y" Strainer

| 624-01 Float Valve | | | | | |
|--|-----|-------------------|-------------------|--|-------|
| Uses 100-20 Hytrol | | | | | |
| 624-01A Ductile Iron Body, Bronze Trim | | | | | |
| Size | | Flanged 150 Lb | Flanged 300 Lb | | Wt/Lb |
| 3 | --- | \$ 1581 | CF* | | 55 |
| 4† | --- | 2055 | CF* | | 85 |
| 6† | --- | 2724 | CF* | | 160 |
| 8† | --- | 4488 | CF* | | 280 |

†Angle Pattern Available, Consult Factory for Pricing.
Optional Features: See Page 4
Price includes 24" PVC Rod, SS Float
For longer PVC Float Rods add \$ 25 per foot
For Brass Float Rods add \$ 39 per foot
For stainless steel Float Rods add \$ 99 per foot (stainless steel stop collars are included)
*Consult Factory

Note: When ordering float control parts (rod, coupling, ball, etc.) please see Cla-Val Parts Price List for pricing.

Note: It is recommended to install an 8" I.D. Stilling Well around the float ball and rod assembly



BASIC COMPONENTS
1 100-20 Hytrol (Main Valve)
2 CS2 Solenoid Control
3 CK2 (Isolation valve) (Solenoid Bypass)

OPTIONAL FEATURES
A X46A Flow Clean Strainer
B CK2 (Isolation Valve)
C CV Flow Control (Closing)
D Check Valves with (Isolation valve)
E X117D Position Transmitter
F Independent Operating Pressure
H Atmospheric Drain
N Electronic Controller
S CV Flow Control (Opening)
Y X43Y Strainer

| 631-01 Electronic Control Valve | | | | | |
|--|-----|-------------------|-------------------|--------------------|-------|
| Uses 100-20 Hytrol Valve | | | | | |
| 631-01A Ductile Iron Body, Bronze Trim | | | | | |
| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
| 3 | --- | \$ 1834 | CF* | 410 | 85 |

| 631-01BY Ductile Iron Body, Bronze Trim | | | | | |
|---|-----|-------------------|-------------------|--------------------|-------|
| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
| 4† | --- | \$ 2589 | CF* | 630 | 185 |
| 6† | --- | 3177 | CF* | 630 | 185 |
| 8† | --- | 4467 | CF* | 675 | 300 |
| 10 | --- | 7118 | CF* | 675 | 470 |
| 12 | --- | 11724 | CF* | 1905 | 900 |
| 14 | --- | CF* | CF* | 1905 | 1250 |
| 16 | --- | 19404 | CF* | 1905 | 1380 |
| 18 | --- | CF* | CF* | CF* | 2733 |
| 20 | --- | 35382 | CF* | CF* | 2740 |
| 24 | --- | 43084 | CF* | CF* | 2940 |
| 30, 36, 42, 48 | | | | *Consult Factory | |

†Angle Pattern Available, Consult Factory for Pricing.
Optional Features: See Page 4
For E feature add prices for X117D - See page 48
Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC
For explosion-proof, water-tight solenoids add \$ 153 (2)
*Consult Factory

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

636-01 Solenoid Control Valve

Uses 100-20 Hytrol

636-01A Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| 3 | --- | \$ 1275 | CF* | 450 | 55 |
| 4† | --- | 2155 | CF* | 450 | 80 |

636-01BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| 6† | --- | \$ 2768 | CF* | 450 | 160 |

†Angle Pattern Available, Consult Factory for Pricing.

Optional Features: See Page 4

Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

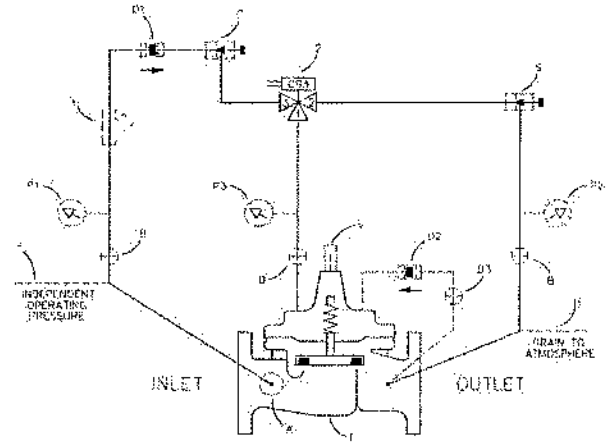
For explosion-proof, water-tight solenoid add \$ 77

For manual operator add \$ 84

For CNA opening speed control or closing speed control add \$ 107

Specify "Energized to Open Main Valve" or "De-energized to Open Main Valve"

*Consult Factory

**BASIC COMPONENTS**

- 1 100-20 Hytrol (Main Valve)
- 2 CS3 Solenoid Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valves)
- C CNA Speed Control (Closing)
- D Check Valves with Isolation valve
- F Independent Operating Pressure
- H Atmospheric Drain
- P X141 Pressure Gauge
- S CNA Needle Valve (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST**636-03 Solenoid Control Valve**

Uses 100-20 Hytrol

636-03BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|----------------|-----|-------------------|-------------------|--------------------|-------|
| 4† | --- | \$ 2665 | CF* | 1140 | 90 |
| 6† | --- | 3267 | CF* | 1140 | 160 |
| 8† | --- | 4410 | CF* | 1200 | 280 |
| 10 | --- | 6782 | CF* | 1200 | 450 |
| 12 | --- | 10931 | CF* | 1200 | 790 |
| 14 | --- | CF* | CF* | 1200 | 1250 |
| 16 | --- | 19130 | CF* | 1200 | 1230 |
| 18 | --- | CF* | CF* | CF* | 2633 |
| 20 | --- | 38179 | CF* | CF* | 2740 |
| 24 | --- | 42358 | CF* | CF* | 2940 |
| 30, 36, 42, 48 | | | | *Consult Factory | |

†Angle Pattern Available, Consult Factory for Pricing.

Optional Features: See Page 4

Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

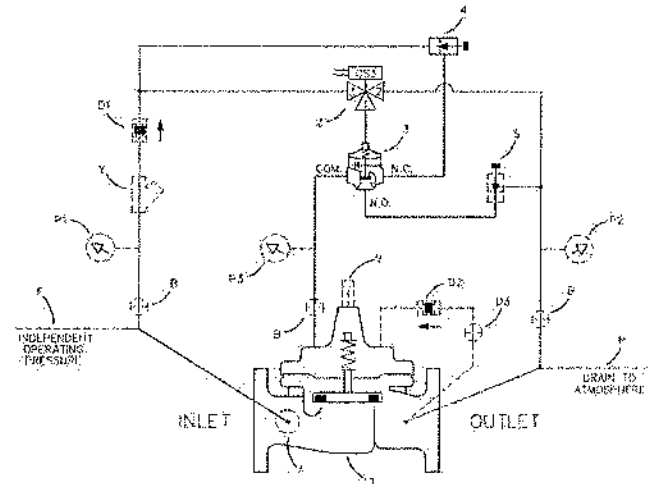
For explosion-proof, water-tight solenoid add \$ 77

For manual operator add \$ 84

For CNA opening speed control or closing speed control add \$ 107

Specify "Energized to Open Main Valve" or "De-energized to Open Main Valve"

*Consult Factory

**BASIC COMPONENTS**

- 1 100-20 Hytrol (Main Valve)
- 2 CS3 Solenoid Control
- 3 102C-3H Three-Way Valve
- 4 CNA Angle Needle Valve (Closing)

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- D Check Valves with Isolation valve
- F Independent Operating Pressure
- H Atmospheric Drain
- P X141 Pressure Gauge
- S CNA Angle Needle Valve (Opening)
- V X101 Valve Position Indicator
- Y X43Y Strainer

Add price of SST Pilot to list price of valve to change from Standard
Copper/Brass Pilot to SST

610-01 Altitude ValveOne-Way Flow
Uses 100-20 Hytrol**610-01A Ductile Iron Body, Bronze Trim**

| Size | | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|-----|-------------------|-------------------|-------|
| 3 | --- | \$ 3744 | CF* | 85 |
| 4† | --- | 4526 | CF* | 120 |

610-01BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|-----|-------------------|-------------------|-------|
| 6† | --- | \$ 5091 | CF* | 185 |
| 8† | --- | 6510 | CF* | 300 |
| 10 | --- | 8796 | CF* | 470 |
| 12 | --- | 13347 | CF* | 900 |
| 14 | --- | CF* | CF* | 1250 |
| 16 | --- | 20495 | CF* | 1380 |
| 18 | --- | CF* | CF* | 2733 |
| 20 | --- | 40629 | CF* | 2740 |
| 24 | --- | 44612 | CF* | 2940 |

30, 36, 42, 48

*Consult Factory

†Angle Pattern Available, Consult Factory for Pricing

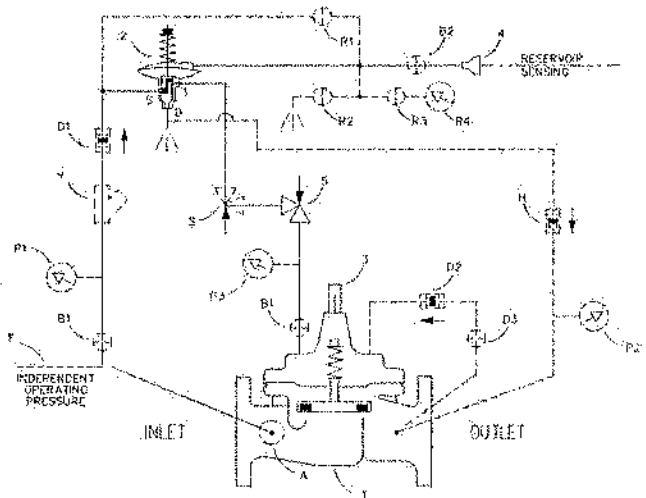
When "D" feature is ordered, the "H" feature is required

Optional Features: See Page 4

Adjustment Ranges: 5-40, 30-80, 70-120, 110-160, 150-200
(feet of water)

When "R" feature (Reservoir Gauge with Tester) is ordered add \$201

*Consult Factory

**BASIC COMPONENTS**

- 1 100-20 Hytrol (Main Valve)
- 2 CDS6A Altitude Control
- 3 X101 Valve Position Indicator
- 4 Bell Reducer
- 5 CV Flow Control (Closing)

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- D Check Valve with Isolation Valve
- F Independent Operating Pressure
- H CDC Check Valve
- P X141 Pressure Gauge
- R Reservoir Gauge with Tester
- S CV Flow Control (Opening)
- Y X43 "Y" Strainer

610-16 Altitude ValveTwo-Way Flow
Uses 100-20 Hytrol**610-16A Ductile Iron Body, Bronze Trim**

| Size | | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|-----|-------------------|-------------------|-------|
| 3 | --- | \$ 3847 | CF* | 85 |
| 4† | --- | 4635 | CF* | 120 |

610-16BY Ductile Iron Body, Bronze Trim

| Size | | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|-----|-------------------|-------------------|-------|
| 6† | --- | \$ 5215 | CF* | 185 |
| 8† | --- | 6685 | CF* | 300 |
| 10 | --- | 8975 | CF* | 470 |
| 12 | --- | 13589 | CF* | 900 |
| 14 | --- | CF* | CF* | 1250 |
| 16 | --- | 20851 | CF* | 1380 |
| 18 | --- | CF* | CF* | 2733 |
| 20 | --- | 40087 | CF* | 2740 |
| 24 | --- | 44876 | CF* | 2940 |

30, 36, 42, 48

*Consult Factory

†Angle Pattern Available, Consult Factory for Pricing.

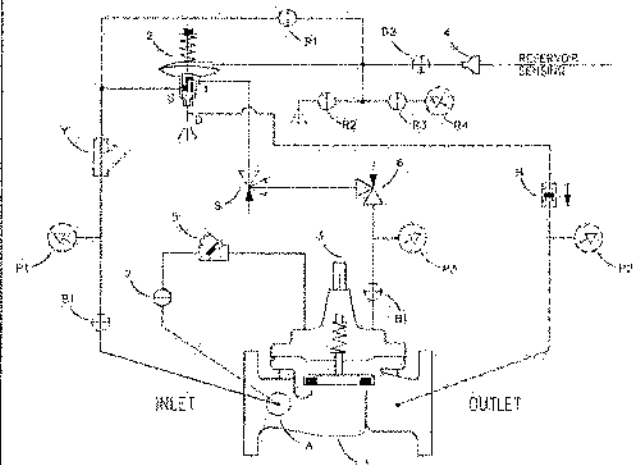
When "D" feature is ordered, the "H" feature is required

Optional Features: See Page 4

Adjustment Ranges: 5-40, 30-80, 70-120, 110-160, 150-200
(feet of water)

When "R" feature (Reservoir Gauge with Tester) is ordered add \$201

*Consult Factory

**BASIC COMPONENTS**

- 1 100-20 Hytrol (Main Valve)
- 2 CDS6A Altitude Control
- 3 X101 Valve Position Indicator
- 4 Bell Reducer
- 5 CSC Check Valve
- 6 CV Flow Control (Closing)
- 7 CK2 (Isolation Valve)

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- H CDC Check Valve
- P X141 Pressure Gauge
- R Reservoir Gauge with Tester
- S CV Flow Control (Opening)
- Y X43 "Y" Strainer

611-01 Altitude Valve

Equipped with CDS7
Uses 100-01 Hytrol Valve

611-01A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|--------------------|-------------------|-------------------|--------------------|-------|
| 3 | \$ | \$ 3544 | CF* | 500 | 105 |
| 4 | | 4310 | CF* | 500 | 120 |
| | | | | | 140 |

611-01BY Ductile Iron Body, Bronze Trim

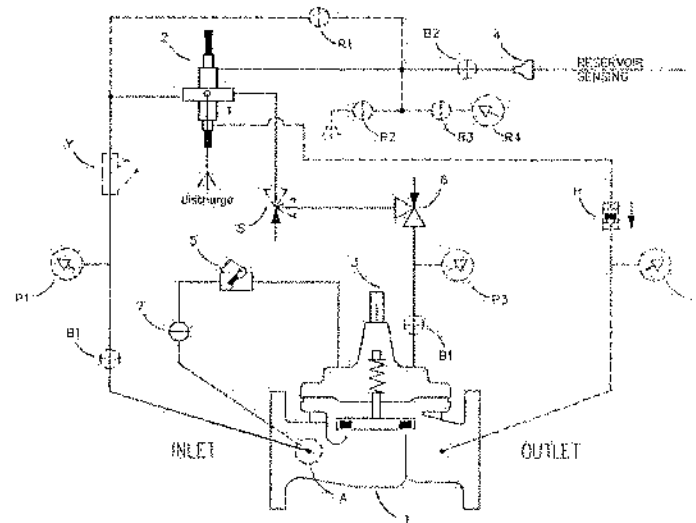
| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| | --- | \$ | CF* | | 210 |
| 6 | --- | 4864 | CF* | 950 | 355 |
| 8 | --- | 6255 | CF* | 1075 | 570 |
| 10 | --- | 8497 | CF* | 1200 | 850 |
| 12 | --- | 12958 | CF* | 1225 | 1235 |
| 14 | --- | CF* | CF* | 1315 | 1670 |
| 16 | --- | 19966 | CF* | 1475 | 2335 |

18, 20, 24, 30, 36 *Consult Factory

When "D" feature is ordered, the "H" Feature is required Optional Features: See Page 4

Adjustment Ranges: 5-40, 10-78 feet of water

When "R" feature (Reservoir Gauge with Tester) is ordered add \$201

**BASIC COMPONENTS**

- 100-01 Hytrol (Main Valve)
- CDS7 Altitude Control
- X101 Valve Position Indicator
- Bell Reducer
- CV Speed Control (Closing)
- CK2 (Isolation Valve)
- Union

Optional Features

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- D Check Valve with Isolation valve
- F Independent Operating Pressure
- H CDC Check Valve
- P X141 Pressure Gauge
- R Reservoir Gauge with Tester
- S CV Speed Control (Opening)
- *Y" Strainer

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

611-16 Altitude Valve

Two Way Flow Type
Uses 100-01 Hytrol Valve

611-16A Ductile Iron Body, Bronze Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|--------------------|-------------------|-------------------|--------------------|-------|
| 3 | \$ | \$ 3645 | CF* | 500 | 105 |
| 4 | | 4417 | CF* | 500 | 120 |
| | | | | | 140 |

611-01BY Ductile Iron Body, Bronze Trim

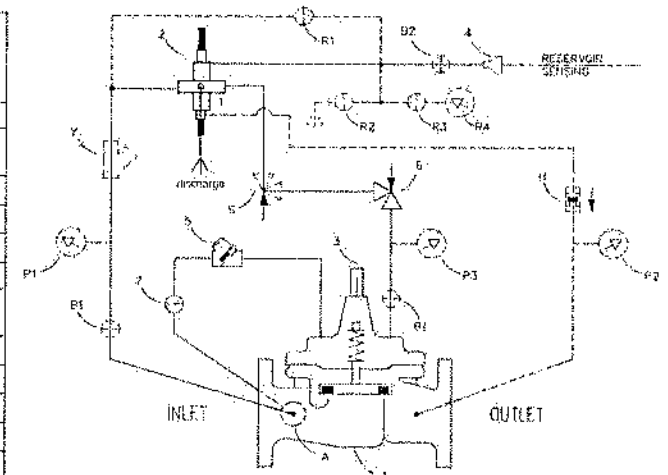
| Size | | Flanged 150 Lb | Flanged 300 Lb | SST Pilot Adder | Wt/Lb |
|------|-----|-------------------|-------------------|--------------------|-------|
| | --- | \$ | | | 210 |
| 6 | --- | 4986 | CF* | 950 | 355 |
| 8 | --- | 6427 | CF* | 1075 | 570 |
| 10 | --- | 8672 | CF* | 1200 | 850 |
| 12 | --- | 13196 | CF* | 1225 | 1235 |
| 14 | --- | CF* | CF* | 1315 | 1670 |
| 16 | --- | 20315 | CF* | 1475 | 2335 |

18, 20, 24, 30, 36 *Consult Factory

When "D" feature is ordered, the "H" Feature is required. Optional Features: See Page 4

Adjustment Ranges: 5-40, 30-80, 70-120, 110-160, 150-200 feet of water

When "R" feature (Reservoir Gauge with Tester) is ordered add \$201

**BASIC COMPONENTS**

- 100-01 Hytrol (Main Valve)
- CDS7 Altitude Control
- X101 Valve Position Indicator
- Bell Reducer
- CV Speed Control (Closing)
- CK2 (Isolation Valve)
- Union

Optional Features

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- D Check Valve with Isolation valve
- F Independent Operating Pressure
- H CDC Check Valve
- P X141 Pressure Gauge
- R Reservoir Gauge with Tester
- S CV Speed Control (Opening)
- *Y" Strainer

Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

550-01 Pressure Relief Valve

Uses 100-46 Hytrol Valve

550-01 Stainless Steel Body and Stainless Steel Trim

| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|-------|--------------------|-------------------|-------------------|-------|
| | \$ | \$ --- | \$ --- | --- |
| | | --- | --- | 30 |
| | | --- | --- | 30 |
| 1-1/2 | | 3833 | 3964 | 35 |
| 2 | | 4503 | 4829 | 45 |
| 2-1/2 | | 4690 | 4932 | 60 |
| 3 | | 5158 | 5429 | 80 |

550-01B SST Body and Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|-------------------|-------------------|-------|
| 4 | \$ 6272 | \$ 6552 | 150 |
| 6 | 9565 | 9806 | 295 |
| 8 | 15540 | 16940 | 505 |
| 10 | 25358 | 26998 | 790 |
| 12 | 37746 | 39796 | 1175 |

Optional Features: See Page 3

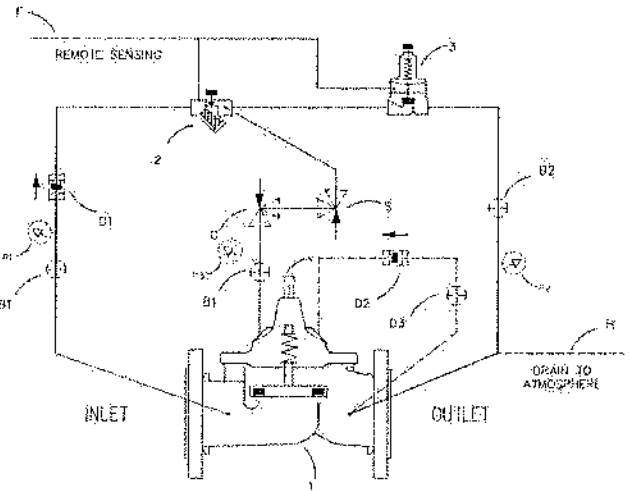
Adjustment Ranges: 0-75, 20-105, 20-200

For adjustment range of 100-300 psi add \$ 180

For adjustment range of 250-600 psi add \$ 571

Available with electronic actuated control, Consult factory for information and prices

† Non-Guided

**BASIC COMPONENTS**

- 1 100-46 Hytrol (Main Valve)
- 2 X42N-2 Strainer Needle Valve
- 3 CRL-60 Pressure Relief Control

OPTIONAL FEATURES

- B CK2 (Isolation Valves)
- D Check Valves with Isolation valve
- F Remote Sensing
- H Drain to Atmosphere
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator

Includes 303 SST pilot system (Tubing and Controls)

590-01 Pressure Reducing Valve

Uses 100-46 Hytrol Valve

590-01AS Stainless Steel Body and Trim
Includes Opening Speed Control

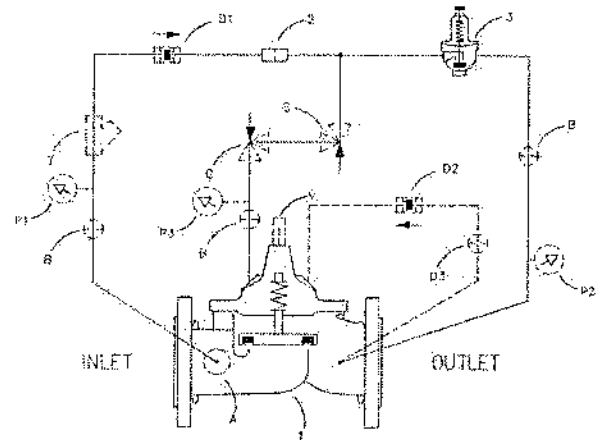
| Size | Threaded 300 Lb | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|-------|--------------------|-------------------|-------------------|-------|
| 1 | \$ | \$ --- | \$ --- | --- |
| 1-1/4 | | --- | --- | 30 |
| 1-1/2 | | 3841 | 3972 | 35 |
| 2 | | 4729 | 4855 | 45 |
| 2-1/2 | | 4886 | 5128 | 60 |
| 3 | | 5287 | 5538 | 80 |

590-01BY Stainless Steel Body and Trim

| Size | Flanged 150 Lb | Flanged 300 Lb | Wt/Lb |
|------|-------------------|-------------------|-------|
| 4 | \$ 6039 | \$ 6319 | 150 |
| 6 | 9389 | 9630 | 295 |
| 8 | 15297 | 16697 | 510 |
| 10 | 25194 | 26834 | 790 |
| 12 | 37485 | 39535 | 1175 |

Optional Features: See Page 3

Adjustment Ranges: 2-30, 15-75, 20-105, 30-300 psi (for higher pressures, consult factory)

**BASIC COMPONENTS**

- 1 100-46 Hytrol (Main Valve)
- 2 X58C Restriction Fitting
- 3 CRD33 Pressure Reducing Control

OPTIONAL FEATURES

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with (Isolation valve)
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

Includes 303 SST pilot system (Tubing and Controls)

750-01 Pressure Relief Valve(Equipped with Closing Speed Control)
Uses 100-42 Roll Seal Main Valve**750-01 316L Stainless Steel Body, Bronze PVS**

| Size | Wafer 125/150 Lb | Wafer 250/300 Lb | Wt/Lb |
|------|---------------------|---------------------|-------|
| 2 | \$ 1590 | \$ 1749 | 8 |
| 3 | 1930 | 2118 | 12 |
| 4 | 2676 | 2845 | 18 |

| Size | Flanged 125/150Lb | Flanged 250/300 Lb | Wt/Lb |
|------|----------------------|-----------------------|-------|
| 6 | \$ 4231 | \$ 4833 | 62 |
| 8 | 7074 | 7767 | 119 |
| 10 | 13367 | 13929 | 194 |
| 12 | 16379 | 18023 | 294 |

2", 3", 4" size valves are wafer style, supplied with bolt kits as standard

6" thru 12" valves are supplied with slip-on style flanges as standard

Previous reference: 120BP-SC2.

Adjustment Ranges: 0-75, 20-105, 20-200 psi

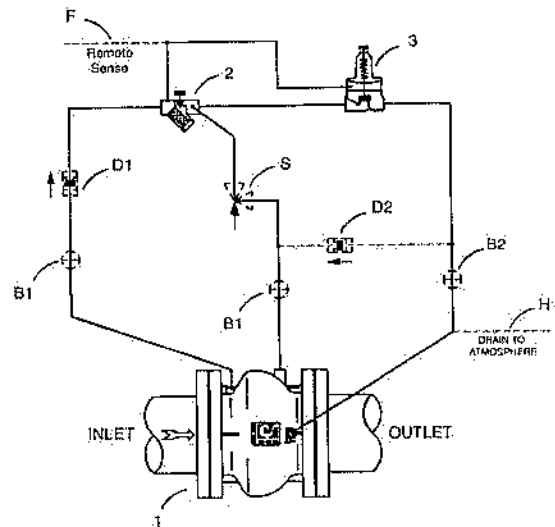
For adjustment range of 100-300 psi add \$ 184

For adjustment range of 250-600 psi add \$ 582

225 psi Maximum Valve Differential Pressure

250/300 Lb includes high pressure RX43HP "Y" Strainer.

"D" feature - For reverse pressures no greater than 125 psid continuous and 150 psid intermittent (surge) service

**BASIC COMPONENTS**

- 100-42 Roll Seal (Main Valve)
- X42N-2 Strainer & Needle Valve
- CRL-60 Pressure Relief Control

OPTIONAL FEATURES

- B CK2 (Isolation Valves)
- D Check Valve
- F Remote Pilot Sensing
- H Atmospheric Drain
- S CV Flow Control (Opening)

790-01 Pressure Reducing Valve

Uses 100-42 Roll Seal Main Valve

790-01 316L Stainless Steel Body, Bronze PVS

| Size | Wafer 125/150 Lb | Wafer 250/300 Lb | Wt/Lb |
|------|---------------------|---------------------|-------|
| 2 | \$ 1194 | \$ 1355 | 8 |
| 3 | 1530 | 1715 | 12 |
| 4 | 2497 | 2884 | 18 |

| Size | Flanged 125/150Lb | Flanged 250/300 Lb | Wt/Lb |
|------|----------------------|-----------------------|-------|
| 6 | \$ 3821 | \$ 4420 | 62 |
| 8 | 6661 | 7353 | 119 |
| 10 | 12959 | 13516 | 194 |
| 12 | 15970 | 17617 | 294 |

2", 3", 4" size valves are wafer style, supplied with bolt kits as standard

6" thru 12" valves are supplied with slip-on style flanges as standard

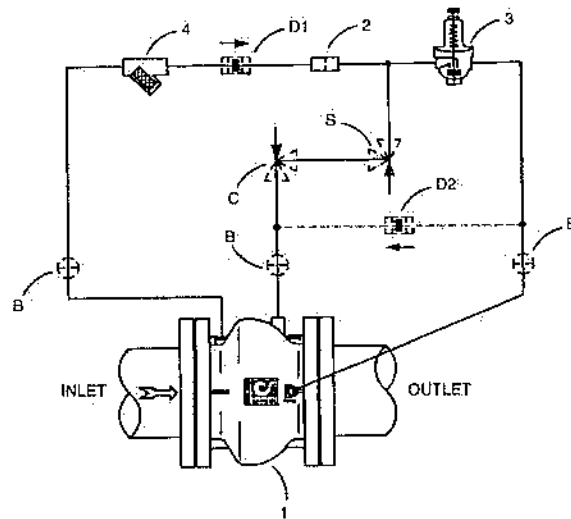
Previous reference: 110PR

Adjustment Ranges: 2-30, 15-75, 20-105, 30-300 psi (for higher pressures please consult factory)

225 psi Max. Valve Differential Pressure

250/300 Lb includes high pressure RX43HP "Y" Strainer.

"D" feature - For reverse pressures no greater than 125 psid continuous and 150 psid intermittent (surge) service

**BASIC COMPONENTS**

- 100-42 Roll Seal (Main Valve)
- X58C Restriction Fitting
- CRD Pressure Reducing Control
- X43 "Y" Strainer

OPTIONAL FEATURES

- B CK2 (Isolation Valves)
- C CV Flow Control (Closing)
- D Check Valve
- S CV Flow Control (Opening)

CORE & MAIN LP

Item: **Group 4: Mechanical Joint Valves:Group 4: Mechanical Joint Valves:Group 4: Mechanical Joint Valves:Group 4: Mechanical Joint Valves:Crispen Valves**

Attachments

CRISPIN.pdf

O
C
W
U
T
0
0
0
3
2



K-FLO SERIES 500: SIZES 3"-20"

| 504 - 150B FLG x FLG | | | | | | |
|---|----------------|------------|--------------------|------------|--------------------|------------|
| Cast Iron Body w/ 304 shaft - 125# drilling | | | | | | |
| SIZE | Lever Operated | | Buried Service Nut | | Handwheel Actuated | |
| | Part # | List Price | Part # | List Price | Part # | List Price |
| 3" | KK03112112011 | \$ 1,002 | KK03112112013 | \$ 1,352 | KK03112112012 | \$ 1,419 |
| 4" | KK04112112011 | \$ 1,025 | KK04112112013 | \$ 1,372 | KK04112112012 | \$ 1,441 |
| 6" | KK06112112011 | \$ 1,290 | KK06112112013 | \$ 1,638 | KK06112112012 | \$ 1,705 |
| 8" | KK08112112011 | \$ 1,431 | KK08112112013 | \$ 1,851 | KK08112112012 | \$ 1,919 |
| 10" | | | KK10111112113 | \$ 2,512 | KK10111112112 | \$ 2,584 |
| 12" | | | KK12111112113 | \$ 2,821 | KK12111112112 | \$ 2,949 |
| 14" | | | KK14111112113 | \$ 3,954 | KK14111112112 | \$ 3,693 |
| 16" | | | KK16111112113 | \$ 4,475 | KK16111112112 | \$ 4,562 |
| 18" | | | KK18111112113 | \$ 5,743 | KK18111112112 | \$ 5,829 |
| 20" | | | KK20111112113 | \$ 6,670 | KK20111112112 | \$ 6,757 |

MATERIALS OF CONSTRUCTION:

- ♦ Cast Iron Body
- ♦ 3"-8": solid 316 Stainless Steel disc
- ♦ 10" and above: Ductile Iron Disc
w/316 Stainless Steel Disc Edge
- ♦ 304 Stainless Steel Shaft
- ♦ Buna-N or EPDM Seat
- ♦ Traveling Nut Actuator (rated @ 450# input torque)
- ♦ 125# Flange Drilling
- ♦ Working Pressure: 150 p.s.i.

ADDITIONAL OPTIONS AVAILABLE

Asphalt Varnish Exterior
(Add "AV" to Part # ie. KK0373AV)

Open Right Operation
(Add "R" to Part # like KK0372R)

Traveling Nut operators
Standard on sizes 20" & down.

Standard coatings:
3"-8": 8 MILS exterior epoxy; 10" & up: 8
MILS int. & ext.epoxy (2-part epoxy)

**K-FLO SERIES 47: SIZES 24"-168"**

| 473 (Class 150) 150B FLG x FLG | | | | |
|---------------------------------------|---------------------------|-------------------|---------------------------|-------------------|
| Cast Iron body w/ 304 shaft | | | | |
| SIZE | Buried Service Nut | | Handwheel Actuated | |
| | Part # | List Price | Part # | List Price |
| 24" | KK24511112113 | \$ 10,645 | KK24511112112 | \$ 10,645 |
| 30" | KK30511112113 | \$ 21,496 | KK30511112112 | \$ 21,496 |
| 36" | KK36511112113 | \$ 24,902 | KK36511112112 | \$ 24,902 |
| 42" | KK42511112113 | \$ 34,977 | KK42511112112 | \$ 34,977 |
| 48" | KK48511112113 | \$ 42,327 | KK48511112112 | \$ 42,327 |
| 54" | KK54511112113 | \$ 81,330 | KK54511112112 | \$ 81,330 |
| 60" | KK60511112113 | \$ 104,275 | KK60511112112 | \$ 104,275 |
| 66" | KK66511112113 | \$ 117,715 | KK66511112112 | \$ 117,715 |
| 72" | KK72511112113 | \$ 149,340 | KK72511112112 | \$ 149,340 |

MATERIALS OF CONSTRUCTION:

- ♦Cast Iron Body
- ♦Ductile Iron Disc w/316 Stainless Steel Disc Edge
- ♦304 Stainless Steel Shaft
- ♦Buna-N Seat
- ♦24" and smaller-Traveling Nut Actuator (rated @ 450 lb input)
- ♦30" and larger-Wormgear Actuator (rated @ 300lb input)
- ♦125# Flange Drilling
- ♦Working Pressure: 150 p.s.i.

ADDITIONAL OPTIONS AVAILABLE

Asphalt Varnish Exterior
(Add "AV" to Part # ie. KK0373AV)

Open Right Operation
(Add "R" to Part # like KK0372R)

Wormgear operators
Standard on sizes 30" & up. Call for other sizes

Standard coatings:
3"-8": 8 MILS exterior epoxy; 10" & up: 8
MILS int. & ext.epoxy (2-part epoxy)



K-FLO SERIES 500: SIZES 3"-20"

| 506 (Class 150), 150B, MJ x MJ | | | | |
|--------------------------------|--------------------|------------|--------------------|------------|
| Cast Iron body w/ 304 shaft | | | | |
| | Buried Service Nut | | Handwheel Actuated | |
| SIZE | Part # | List Price | Part # | List Price |
| 6" | KK06212112113 | \$ 1,638 | KK06212112112 | \$ 1,705 |
| 8" | KK08212112113 | \$ 1,851 | KK08212112112 | \$ 1,919 |
| 10" | KK10211112113 | \$ 2,512 | KK10211112112 | \$ 2,584 |
| 12" | KK12211112113 | \$ 2,821 | KK12211112112 | \$ 2,949 |
| 14" | KK14211112113 | \$ 3,954 | KK14211112112 | \$ 3,693 |
| 16" | KK16211112113 | \$ 4,475 | KK16211112112 | \$ 4,562 |
| 18" | KK18211112113 | \$ 5,743 | KK18211112112 | \$ 5,829 |
| 20" | KK20211112113 | \$ 6,670 | KK20211112112 | \$ 6,757 |

MATERIALS OF CONSTRUCTION:

- ♦ Cast Iron Body
- ♦ 3"-8": solid 316 Stainless Steel disc
- ♦ 10" and above: Ductile Iron Disc
w/316 Stainless Steel Disc Edge
- ♦ 304 Stainless Steel Shaft
- ♦ Buna-N Seat
- ♦ Traveling Nut Actuator (rated @ 450# input torque)
- ♦ Working Pressure: 150 p.s.i.

ADDITIONAL OPTIONS AVAILABLE

Asphalt Varnish Exterior
(Add "AV" to Part # ie. KK0373AV)

Open Right Operation
(Add "R" to Part # like KK0372R)

Traveling Nut operators
Standard on sizes 20" & down.

Standard coatings:
3"-8": 8 MILS exterior epoxy; 10" & up: 8
MILS int. & ext.epoxy (2-part epoxy)

OCWUT 00032

Supplier: **CORE & MAIN LP****OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services****BID FORM A - Technical Questionnaire**
(use a separate for each hydrant brand)

Bidders are to indicate compliance in the appropriate box, if applicable. Bidders should use the comments area for any and all exceptions.

| A. Traffic Model Fire Hydrants, Selective Requirements | Compliance |
|---|---|
| 1. Brand and Model of Hydrant | AFC |
| 2. Working Pressure: 150 PSI | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. Size of Valve Opening: 5 ¼" | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Direction of Opening: Left (Counter-Clockwise) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. Size & Shape of Operating Nuts: 1 ½" Pentagonal | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Size & Shape of Nozzle Cap Nuts: 1 ½" Pentagonal | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Hose Nozzle Threads: OKC Standard | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8. Pumper Nozzle Threads: OKC Standard | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 9. Size & Type of Inlet Connection: 6" Mechanical Joint w/All Accessories | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 10. 2 ½" Hose Nozzle: Two (2) Each | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 11. 5" Pumper Nozzle: One (1) Each | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 12. Nozzle Cap Chains are Required | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 13. Paint: Minimum Two (2) coats of international orange paint, Pittsburgh first line or approved equivalent. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| B. Traffic Model Fire Hydrants, Design Requirements | Compliance |
| 1. Weather Bonnet | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. Nozzle Attachment to Barrel: Mechanically Attached (No Lead-in) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

O
C
W
U
T
0
0
0
3
2

| | |
|--|---|
| 3. Upper Valve Plate Material: Bronze | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Seat Ring Material: Bronze | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. Seat Ring Thread Engagement: Bronze to Bronze | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Barrel Drain way: Bronze | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Shoe Protection: Epoxy Coating | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

O
C
W
U
T
0
0
0
3
2

| C. Comments (Indicate item number/name of part and describe exception) | |
|--|--|
| | |

O
C
W
U
T
0
0
0
3
2

Solicitation OCWUT 36-24

Fire Hydrants, Valves, Repair Kits, & Services

Bid Designation: Public



The City of
OKLAHOMA CITY

City of Oklahoma City and its Trusts

O
C
W
U
T
0
0
0
3
2

Bid OCWUT 36-24
Fire Hydrants, Valves, Repair Kits, & Services

Bid Number **OCWUT 36-24**
Bid Title **Fire Hydrants, Valves, Repair Kits, & Services**
Expected Expenditure **\$1,200,000.00** (This price is expected - not guaranteed)

Bid Start Date **In Held**
Bid End Date **May 1, 2024 10:00:00 AM CDT**
Question & Answer End Date **Apr 19, 2024 10:00:00 AM CDT**

Bid Contact **Rebecca Cavnar**
rebecca.cavnar@okc.gov

Bid Contact **City Clerk**
cityclerk@okc.gov

Bid Contact **Mark Keesee**
mark.keesee@okc.gov

Bid Contact **Stephen Krausnick**
stephen.krausnick@okc.gov

Contract Duration **3 years**
Contract Renewal **1 annual renewal**
Prices Good for **12 months**

Standard Disclaimer **This site and system is hosted by Oklahoma City through BIDSYNC for use of The City of Oklahoma City and its trusts.**
Certain screens and flags may show the name and/or seal of The City; however, such references do not indicate or change the contracting entity.

Bid Comments **The expected expenditure amount of \$1,200,000 for these commodities is an estimate for a one-year period based on past history and future projections. The quantity of any item when shown in the price schedule as an estimate of an annual requirement is only an estimate based on currently available information. The purchase of any such item or quantity is not guaranteed. Any offer conditioned upon a promise by the Contracting Entity to purchase a minimum or definite quantity of such an item will be rejected. See the specification bid packet for more information.**

Item Response Form

Item **OCWUT 36-24--01-01 - Group 1: Traffic Model Fire Hydrants: Traffic Model Fire Hydrants depth of bury 3 foot**
Quantity **1 each**

O
C
W
U
T
0
0
0
3
2

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--01-02 - Group 1: Traffic Model Fire Hydrants: Traffic Model Fire Hydrants depth of bury 4 foot**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--01-03 - Group 1: Traffic Model Fire Hydrants: Traffic Model Fire Hydrants depth of bury 4.5 foot**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--01-04 - Group 1: Traffic Model Fire Hydrants: Traffic Model Fire Hydrants depth of bury 5 foot**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

OCWUT 36-24--01-03-0032

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--01-05 - Group 1: Traffic Model Fire Hydrants: Traffic Model Fire Hydrants depth of bury 6 foot |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--02-01 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 16 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--02-02 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 18 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|------|---|
| Item | OCWUT 36-24--02-03 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 20 inch |
|------|---|

O
C
W
U
T
0
0
0
3
2

| | |
|-------------------|--|
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--02-04 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 24 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--02-05 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 30 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--02-06 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 36 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

OCWUT 36-24--02-06

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-02-07 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 48 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-02-08 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 6 inch - 56 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-03-01 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 2 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

OCWUT 00032

Item **OCWUT 36-24--03-02 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 3 inch**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--03-03 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 4 inch**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--03-04 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 6 inch**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--03-05 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 8 inch**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A

O
C
W
U
T
0
0
3
2

Oklahoma City OK 73102

Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-03-06 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 10 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-03-07 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 12 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-03-08 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 14 inch |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

â

O
C
W
U
T
0
0
0
3
2

Item **OCWUT 36-24--03-09 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 16 inch**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--03-10 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 18 inch**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--03-11 - Group 3: Ductile Iron Bodied Gate Valves & Tapping Valves: Gate Valve complete with accessories 20 inch - 56 inch**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-01 - Group 4: Mechanical Joint Valves: ABZ Mastergear Valve Operators and Valves**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A

O
C
W
U
T
0
0
0
3
2

Oklahoma City OK 73102

Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|---|
| Item | OCWUT 36-24--04-02 - Group 4: Mechanical Joint Valves: Allis Chalmers Valve Operators and Valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts |
| | See Bid Packet for Location(s) |
| | N/A |
| | Oklahoma City OK 73102 |
| | Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|---|
| Item | OCWUT 36-24--04-03 - Group 4: Mechanical Joint Valves: American Valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts |
| | See Bid Packet for Location(s) |
| | N/A |
| | Oklahoma City OK 73102 |
| | Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|---|
| Item | OCWUT 36-24--04-04 - Group 4: Mechanical Joint Valves: APCO Valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts |
| | See Bid Packet for Location(s) |
| | N/A |
| | Oklahoma City OK 73102 |
| | Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

O
C
W
U
T
0
0
0
3
2

Item **OCWUT 36-24--04-05 - Group 4: Mechanical Joint Valves: ARI - Air Relief Valves**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-06 - Group 4: Mechanical Joint Valves: ASCO Valves**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-07 - Group 4: Mechanical Joint Valves: ASCO: 1-way, normally closed**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-08 - Group 4: Mechanical Joint Valves: ASCO: 1-way, normally open**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

DescriptionO
C
W
U
T
0
0
0
3
2

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--04-09 - Group 4: Mechanical Joint Valves: ASCO: 3-way, 2 position |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--04-10 - Group 4: Mechanical Joint Valves: ASCO: 4-way, 2 position |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--04-11 - Group 4: Mechanical Joint Valves: Auma valves and operators |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|---|
| Item | OCWUT 36-24--04-12 - Group 4: Mechanical Joint Valves: Bailey Valve Positioners |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) |

O
C
W
U
T
0
0
0
3
2

N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--04-13 - Group 4: Mechanical Joint Valves: Bermed Valve, Parts, and Controls |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts |
| | See Bid Packet for Location(s) |
| | N/A |
| | Oklahoma City OK 73102 |
| | Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|---|
| Item | OCWUT 36-24--04-14 - Group 4: Mechanical Joint Valves: Chapman Valve Operators and Valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts |
| | See Bid Packet for Location(s) |
| | N/A |
| | Oklahoma City OK 73102 |
| | Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|---|
| Item | OCWUT 36-24--04-15 - Group 4: Mechanical Joint Valves: Check Valves 4 inch to 24 inch flanged |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts |
| | See Bid Packet for Location(s) |
| | N/A |
| | Oklahoma City OK 73102 |
| | Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|------------|--|
| Item | OCWUT 36-24--04-16 - Group 4: Mechanical Joint Valves: Cla-val Altitude Valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |

OCWUT 36-24

Delivery Location **City of Oklahoma City and its Trusts**[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-17 - Group 4: Mechanical Joint Valves: Cla-val Globe Valves**Quantity **1 each**Percentage Delivery Location **City of Oklahoma City and its Trusts**[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-18 - Group 4: Mechanical Joint Valves: Cla-val Pump Control Valves - Booster Type**Quantity **1 each**Percentage Delivery Location **City of Oklahoma City and its Trusts**[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-19 - Group 4: Mechanical Joint Valves: Cla-val Pilot Valves, 4 inch to 12 inch**Quantity **1 each**Percentage Delivery Location **City of Oklahoma City and its Trusts**[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-20 - Group 4: Mechanical Joint Valves: Cla-Val Replacement Parts/Kits**Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-21 - Group 4: Mechanical Joint Valves: Cla-val Valves, Parts, and Controls**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-22 - Group 4: Mechanical Joint Valves: Cla-val Needle Valve Assemblies**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-23 - Group 4: Mechanical Joint Valves: Cla-val flow clean strainer, straight & angled, x47 model**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

OCWUT 36-24-000032

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-24 - Group 4: Mechanical Joint Valves: Cla-val model x105L, x105L2, limit switch assemblies |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-25 - Group 4: Mechanical Joint Valves: Cla-val 3/8 inch to 24 inch pressure relief/control valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-26 - Group 4: Mechanical Joint Valves: Cla-val solenoid control valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|---|
| Item | OCWUT 36-24-04-27 - Group 4: Mechanical Joint Valves: Clayton valve operators, positioners, and valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A |

Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--04-28 - Group 4: Mechanical Joint Valves: Clow Valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--04-29 - Group 4: Mechanical Joint Valves: Clow Valves, 6 inch to 12 inch, flanged |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--04-30 - Group 4: Mechanical Joint Valves: Crispin Valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|----------|--|
| Item | OCWUT 36-24--04-31 - Group 4: Mechanical Joint Valves: Darling gate valves 4 inch to 24 inch, flanged |
| Quantity | 1 each |

O
C
W
U
T
0
0
0
3
2

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-32 - Group 4: Mechanical Joint Valves: Darling valve operators and valves**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-33 - Group 4: Mechanical Joint Valves: DeZurik Valves**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-34 - Group 4: Mechanical Joint Valves: EIM Valve Operators**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

OCWUT 36-24-04-32-03-2

Item **OCWUT 36-24--04-35 - Group 4: Mechanical Joint Valves: Golden Anderson Valves****Quantity** **1 each****Percentage** **Delivery Location** **City of Oklahoma City and its Trusts**[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-36 - Group 4: Mechanical Joint Valves: Hydro Gate Valves****Quantity** **1 each****Percentage** **Delivery Location** **City of Oklahoma City and its Trusts**[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-37 - Group 4: Mechanical Joint Valves: Kennedy Valves 6 inch to 24 inch****Quantity** **1 each****Percentage** **Delivery Location** **City of Oklahoma City and its Trusts**[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-38 - Group 4: Mechanical Joint Valves: Keystone valve operators and valves****Quantity** **1 each****Percentage** **Delivery Location** **City of Oklahoma City and its Trusts**[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

O
C
W
U
T
0
0
0
3
2

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-39 - Group 4: Mechanical Joint Valves: Kinetrol Pneumatic Valve Operators |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-40 - Group 4: Mechanical Joint Valves: Kunkle Valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-41 - Group 4: Mechanical Joint Valves: Kytronics Valves Positioners |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-42 - Group 4: Mechanical Joint Valves: Limitorque Valve Positioners |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list,

O
C
W
U
T
0
0
0
3
2

or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-43 - Group 4: Mechanical Joint Valves: Ludlow Valves**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**

[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-44 - Group 4: Mechanical Joint Valves: Mercoid: Pressure Adjustment Switches**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**

[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-45 - Group 4: Mechanical Joint Valves: Miller Valve Operators**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**

[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-46 - Group 4: Mechanical Joint Valves: Mueller Valve Operators**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**

[See Bid Packet for Location\(s\)](#)

OCWUT 36-24-00032

N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-47 - Group 4: Mechanical Joint Valves: Parker Hannifir Valve Operators |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-48 - Group 4: Mechanical Joint Valves: Pratt Butterfly Valves 4 inch to 24 inch, flanged |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-49 - Group 4: Mechanical Joint Valves: Pratt Butterfly Valves 4 inch to 24 inch, non-flanged |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|------|---|
| Item | OCWUT 36-24-04-50 - Group 4: Mechanical Joint Valves: Pratt Valve Operators and Valves |
|------|---|

O
C
W
U
T
0
0
0
3
2

| | |
|-------------------|--|
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-51 - Group 4: Mechanical Joint Valves: Rensselaer check valves 6 inch to 20 inch, flanged |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-52 - Group 4: Mechanical Joint Valves: Rodney Hunt Valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24-04-53 - Group 4: Mechanical Joint Valves: Ross Valves |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description
Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

OCWUT 36-24-04-51-00032

Item **OCWUT 36-24--04-54 - Group 4: Mechanical Joint Valves: Rototork: Valve Actuators**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-55 - Group 4: Mechanical Joint Valves: Sluce Gate Valves**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-56 - Group 4: Mechanical Joint Valves: Val-matic Valves**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-57 - Group 4: Mechanical Joint Valves: Verse Valve Operators**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list,

O
C
W
U
T
0
0
0
3
2

or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--04-58 - Group 4: Mechanical Joint Valves: Xomox Valves**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**

[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--05-01 - Group 5: Hydrant and Valve Repair Parts: American Darling Model B-62 Repair Parts, Tools, and/or Accessories**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**

[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--05-02 - Group 5: Hydrant and Valve Repair Parts: American Darling Model B-84 Repair Parts, Tools, and/or Accessories**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**

[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24--05-03 - Group 5: Hydrant and Valve Repair Parts: American Darling Gate and Tapping Valve Repair Parts**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**

OCWUT 36-24-00032

[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|------|--|
| Item | OCWUT 36-24-05-04 - Group 5: Hydrant and Valve Repair Parts: Mueller A-423 Centurion Repair Parts, Tools, and Accessories |
|------|--|

| | |
|----------|---------------|
| Quantity | 1 each |
|----------|---------------|

| | |
|------------|----------------------|
| Percentage | <input type="text"/> |
|------------|----------------------|

| | |
|-------------------|---|
| Delivery Location | City of Oklahoma City and its Trusts |
|-------------------|---|

[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|------|---|
| Item | OCWUT 36-24-05-05 - Group 5: Hydrant and Valve Repair Parts: Mueller Valve Operators, Gate, and Tapping Valves |
|------|---|

| | |
|----------|---------------|
| Quantity | 1 each |
|----------|---------------|

| | |
|------------|----------------------|
| Percentage | <input type="text"/> |
|------------|----------------------|

| | |
|-------------------|---|
| Delivery Location | City of Oklahoma City and its Trusts |
|-------------------|---|

[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|------|--|
| Item | OCWUT 36-24-05-06 - Group 5: Hydrant and Valve Repair Parts: U.S. Pipe Gate and Tapping Valves Repair Parts, Tools, & Accessories |
|------|--|

| | |
|----------|---------------|
| Quantity | 1 each |
|----------|---------------|

| | |
|------------|----------------------|
| Percentage | <input type="text"/> |
|------------|----------------------|

| | |
|-------------------|---|
| Delivery Location | City of Oklahoma City and its Trusts |
|-------------------|---|

[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|------|---|
| Item | OCWUT 36-24-05-07 - Group 5: Hydrant and Valve Repair Parts: U.S. Pipe Metro Large Barrel Pre-1994 |
|------|---|

Repair Parts, Tools, & Accessories

Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24-05-08 - Group 5: Hydrant and Valve Repair Parts: U.S. Pipe Metro Small Barrel Pre-1994 Repair Parts, Tools, & Accessories**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24-05-09 - Group 5: Hydrant and Valve Repair Parts: U.S. Pipe Sentinel Repair Parts, Tools, & Accessories**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item **OCWUT 36-24-05-10 - Group 5: Hydrant and Valve Repair Parts: M&H 129 Reliant Repair Parts, Tools, & Accessories**
Quantity **1 each**
Percentage
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

OCWUT 36-24-05-08-09-10

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--05-11 - Group 5: Hydrant and Valve Repair Parts: M&H Gate and Tapping Valve Repair Parts |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--05-12 - Group 5: Hydrant and Valve Repair Parts: Clow F2500 Repair Parts, Tools, and Accessories |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--05-13 - Group 5: Hydrant and Valve Repair Parts: Clow Gate and Tapping Valve Repair Parts, Tools, & Accessories |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|------------|--|
| Item | OCWUT 36-24--05-14 - Group 5: Hydrant and Valve Repair Parts: Clow Medallion Repair Parts, Tools, & Accessories |
| Quantity | 1 each |
| Percentage | <input type="text"/> |

O
C
W
U
T
0
0
0
3
2

Delivery Location

City of Oklahoma City and its Trusts[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item

OCWUT 36-24--05-15 - Group 5: Hydrant and Valve Repair Parts: Kennedy Gate and Tapping Valve Repair Parts, Tools, & Accessories

Quantity

1 each

Percentage

Delivery Location

City of Oklahoma City and its Trusts[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item

OCWUT 36-24--05-16 - Group 5: Hydrant and Valve Repair Parts: Kennedy K-81 Guardian Repair Parts, Tools, & Accessories

Quantity

1 each

Percentage

Delivery Location

City of Oklahoma City and its Trusts[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

Item

OCWUT 36-24--05-17 - Group 5: Hydrant and Valve Repair Parts: Pratt Butterfly Valves Repair Parts, Tools, & Accessories

Quantity

1 each

Percentage

Delivery Location

City of Oklahoma City and its Trusts[See Bid Packet for Location\(s\)](#)

N/A

Oklahoma City OK 73102

Qty 1**Description**

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

O
C
W
U
T
0
0
0
3
2

| | |
|-------------------|--|
| Item | OCWUT 36-24--05-18 - Group 5: Hydrant and Valve Repair Parts: Vertical shoe for hydrants |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|---|
| Item | OCWUT 36-24--05-19 - Group 5: Hydrant and Valve Repair Parts: EJ (East Jordan) Watermaster 5CD250 Repair, parts, Tools, and/or Accessories |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|--|
| Item | OCWUT 36-24--05-20 - Group 5: Hydrant and Valve Repair Parts: EJ (East Jordan) Flowmaster RW Repair, Parts, Tools, & Accessories |
| Quantity | 1 each |
| Percentage | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) N/A Oklahoma City OK 73102 Qty 1 |

Description

Enter price list less discount percentage or fixed price for this item. When bidding discount percentage bidders must attach a catalog, price list, or website showing pricing for these items. Enter YES/NO in the Buyer Note field if bidder is a manufacturer or Authorized Distributor.

| | |
|-------------------|---|
| Item | OCWUT 36-24--06-01 - Group 6: Shop Labor: Shop Labor |
| Quantity | 1 hour |
| Unit Price | <input type="text"/> |
| Delivery Location | City of Oklahoma City and its Trusts See Bid Packet for Location(s) |

N/A
Oklahoma City OK 73102
Qty 1

Description

Enter price per hour for shop labor.

Item **OCWUT 36-24--06-02 - Group 6: Shop Labor: Shop Labor**
Quantity **1 hour**
Unit Price
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

Bidders are to specify (YES/NO) in the Bidder's Comment Field whether they can meet the 24 hour service call response time per the specifications. If your company cannot meet the specified time, please note your emergency call response time.

Item **OCWUT 36-24--07-01 - Group 7: Federal Acquisition Regulations: Federal Acquisition Regulations**
Lot Description **FAR clauses**
Quantity **1 each**
Prices are not requested for this item.
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)
N/A
Oklahoma City OK 73102
Qty 1

Description

I am willing to provide goods in accordance with the Federal Acquisition Regulations (FAR) contract clauses as it applies to goods and is attached to this bid as Exhibit A. Participation is optional, but must be indicated by YES/NO.

OCWUT 36-24-00032

**BID/PRICING AGREEMENT/CONTRACT FORM & NON-DISCRIMINATION
STATEMENT**
**BIDDER MUST ELECTRONICALLY COMPLETE, SIGN AND NOTARIZE THIS
DOCUMENT PRIOR TO SUBMITTING IN THE ELECTRONIC BID SYSTEM**

**Please be aware that typing in your password acts as your electronic signature, which is
just as legal and binding as an original signature.**

(See Electronic Signatures in Global and National Commerce Act for more information.)

**THIS DOCUMENT MUST BE ELECTRONICALLY SIGNED AND SUBMITTED WITH THE BID
OR THE BID WILL BE REJECTED**

INSTRUCTIONS: This document MUST be electronically signed and submitted with the bid for the bid to be valid. Failure to electronically sign the this document prior to submitting the electronic bid will result in rejection of your bid. This document constitutes your bid and will be the Pricing Agreement/Contract document under which you are to perform, should your bid be accepted, so it must be properly and completely executed. It is, therefore, essential that you are aware of its terms, as well as those contained in the specifications.

Submit this electronically signed document, along with all accompanying documents:

THIS PRICING AGREEMENT/CONTRACT is made and entered into, by and between
hereinafter referred to as "Bidder" and The City of Oklahoma City, a municipal corporation, or a participating Public Trust of which The City of Oklahoma City is Beneficiary hereinafter referred to as the "Contracting Entity."

WITNESSETH:

WHEREAS, the governing body of the Contracting Entity has approved certain specifications and requested by notice that bids be submitted thereon; and

WHEREAS, this document until executed by the Mayor/Chairman of the Contracting Entity constitutes the Bidder's proposal; and

NOW, THEREFORE, that in consideration of the covenants, agreements and representations as hereinafter set forth, it is mutually agreed by the parties that:

1. The Bidder agrees to sell and deliver to the Contracting Entity, the items of material and/or services, specified in the pricing section of the electronic bid submittal, which is attached hereto and made a part of this Pricing Agreement/Contract. List the prompt payment discount, if any, for this agreement in the space provided below:

Discount for Prompt Payment % Days

2. The Bidder expressly warrants that all articles, material, and/or work covered in this Pricing Agreement/Contract will conform to the specifications and electronic bid documents attached to this bid and are hereby incorporated, as if set forth in full herein; and further warrants that the same shall be of good material and workmanship, and free from defects.

3. The Bidder understands that all bids are to be submitted in U.S. dollars at a firm price. Bids submitted in any currency other than U.S. dollars will be rejected.

4. The Bidder also understands that all invoices shall be submitted in U.S. dollars and agrees to accept payment in U.S. dollars as full satisfaction of the invoiced amount.

5. If any of the goods fail to meet the warranties contained in Paragraph 2, above, the Bidder, upon notice from the Contracting Entity, shall promptly correct or replace the same at the Bidder's expense. If the Bidder shall fail to so do, the Contracting Entity may cancel this order as to all such goods, and in addition, may cancel the then remaining balance of this order. After notice to the Bidder, all such goods will be held at the Bidder's risk. The Contracting Entity may, at the Bidder's direction, make available such goods to be returned to the Bidder at the Bidder's

O
C
W
U
T
0
0
0
3
2

risk, and all transportation charges, both to and from the original destination, shall be paid by the Bidder. Any payment for such goods shall be refunded by the Bidder unless the Bidder promptly corrects or replaces the same at the Bidder's expense.

6. The Contracting Entity agrees to pay to the Bidder the price and amount in accordance with Paragraph 1 above, based on the quantity actually purchased, upon delivery to and acceptance by the Contracting Entity, of the material and/or service[s] above described and upon the filing by the Bidder, and approval by the Contracting Entity, of a verified claim for the amount due.

7. The Bidder agrees, in connection with the performance of work under this Pricing Agreement/Contract:

a. That the Bidder will not discriminate against any employee or applicant for employment, because of race, creed, color, sex, age, national origin, ancestry or disability. The Bidder shall take affirmative action to ensure that employees are treated without regard to their race, creed, color, age, national origin, sex, ancestry or disability. Such actions shall include, but not be limited to, the following: employment, promotion, demotion or transfer, recruitment, advertising, lay-off, termination, rates of pay or other forms of compensation and selection for training, including apprenticeship. The Bidder agrees to post, in a conspicuous place available to employees and applicants for employment, notices to be provided by the City Clerk/Secretary of the Contracting Entity setting forth the provisions of this section, and;

b. That the Bidder agrees to include this non-discrimination clause in any subcontracts connected with the performance of this Pricing Agreement/Contract.

8. In the event of the Bidder's non-compliance with the above non-discrimination clause, this Pricing Agreement/Contract may be canceled or terminated by the Contracting Entity. The Bidder may be declared by the Contracting Entity ineligible for further Pricing Agreement[s]/Contract[s] with the Contracting Entity until satisfactory proof of intent to comply is made by the Bidder.

9. The risk of loss or damage shall be borne by the Bidder at all times until the acceptance of goods, properly packed, by the Contracting Entity.

10. This Pricing Agreement/Contract, specifications, electronic bid submittal documents and any attachments constitutes the entire understanding and agreement of the parties upon the subject matter hereof. There is no agreement, oral or otherwise, which is not contained in or attached to this Pricing Agreement/Contract. This Pricing Agreement/Contract may not be modified or assigned unless approved in writing and signed by both parties.

11. The parties assume and understand that the variables in the Bidder's cost of performance may fluctuate; consequently, the parties agree that any fluctuations in the Bidder's costs will not alter the Bidder's obligations under this Pricing Agreement/Contract nor excuse performance or delay on the Bidder's part.

12. This Pricing Agreement/Contract shall be inoperative during such period of time that the aforesaid delivery or acceptance may be rendered impossible by reason of fire, Act of God or government regulation. Provided, however, to the extent that the Bidder has any commercially reasonable alternative method of performing this Pricing Agreement/Contract by purchase on the market or otherwise, the Bidder shall not be freed of any obligations hereunder by this clause, even though the goods intended for this Pricing Agreement/Contract were destroyed or their delivery delayed because of an event described above.

13. The shipping or receiving of any goods under this Pricing Agreement/Contract shall not be deemed, or be, a waiver of any right to damages for any prior failure to ship or receive any goods.

14. This Pricing Agreement/Contract shall be governed by the laws of the State of Oklahoma.

15. The Bidder shall be responsible for complying with all applicable federal, state and local laws.

16. If submitting a bid for services, the Bidder certifies that they, and any proposed subcontractors, are in compliance with 25 O.S. §1313 and participate in the status Verification System. The Status Verification System is defined in 25 O.S. §1312 and includes but is not limited to the free Employment Verification Program (E-Verify) through the Department of Homeland Security and available at www.dhs.gov/E-Verify.

O
C
W
U
T
0
0
0
3
2

The undersigned individual states that the Bidder will be bound by all components of its bid, the specification, the terms and conditions of the Pricing Agreement/Contract, and the requirements for Bidders.

WITNESS the hands of the parties hereto:

THIS FORM MUST BE ELECTRONICALLY SIGNED AND SUBMITTED WITH THE BID FOR THE BID TO BE VALID

Note: The owner or an officer of the business or corporation may sign this document. A Corporate Seal or a letter of authorization is needed for any other signer. For instance, if a Salesman or Manager signs this form, a letter of authorization or Corporate Seal is to be attached.

Type Name of Authorized Agent

Title of Authorized Agent

Company Name and Address

Zip Code

Telephone Number and Fax Number if any

BIDDER MUST ELECTRONICALLY COMPLETE, SIGN AND NOTARIZE THIS DOCUMENT

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature.

(See Electronic Signatures in Global and National Commerce Act for more information.)

THIS FORM MUST BE ELECTRONICALLY SIGNED AND SUBMITTED WITH THE BID OR THE BID WILL BE REJECTED

O
C
W
U
T
0
0
0
3
2

(Published in the Journal Record on March 27, 2024, and April 3, 2024)

NOTICE TO BIDDERS

Notice is hereby given that Oklahoma City Water Utilities Trust ("Contracting Entity") will receive electronic bids at the **OFFICE OF THE CITY CLERK, 200 North Walker Avenue, Oklahoma City, Oklahoma 73102** until 10:00:00 a.m., on the **1st day of May 2024**, for the following:

BID: OCWUT 36-24 **Name of Bid:** Fire Hydrants, Valves, Repair Kits, & Services

The Contracting Entity has partnered with Periscope (formerly BidSync) to accept bids electronically. You are invited to submit a bid electronically through the Periscope system to supply the goods and/or services specified in the electronic bid packet. The Contracting Entity does not provide access to a computer for electronic bidding or electronic bid submission. Bidders must register in advance with Periscope at <https://prod.bidsync.com/the-city-of-oklahoma-city> in order to submit an electronic bid. The Contracting Entity recommends potential Bidders register and become familiar with the Periscope electronic bidding process in advance of submitting a bid. There is no charge to the Bidder for registering or submitting an electronic bid to the Contracting Entity through Periscope. Instructions on how to get registered to bid through Periscope can be found on The City of Oklahoma City's website at <https://www.okc.gov/departments/bidding>.

Bids shall be made in accordance with this Notice to Bidder, General Instructions and Requirements for Bidders, Oklahoma Open Records Act and Confidential Information, the Specifications, the Agreement & Non-Discrimination Statement, the Non-Collusion Affidavit, and any other documents which are included in the complete electronic bid packet. The Agreement must be completed, signed, and submitted electronically through Periscope for the bid to be valid.

Bids timely submitted electronically through Periscope shall be opened at the time stated above or later in the City Clerk's Conference Room, located on the 2nd floor of the Municipal Building. The Periscope system does not allow bids to be submitted after the above stated date and time. There will be no exceptions to this policy. All bids shall remain on file at least 48 hours before an Agreement shall be made and entered.

O
C
W
U
T
0
0
0
3
2

NON-COLLUSION AFFIDAVIT

BIDDER MUST ELECTRONICALLY COMPLETE, SIGN AND NOTARIZE THIS DOCUMENT PRIOR TO SUBMITTING BID

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature.

(See Electronic Signatures in Global and National Commerce Act for more information.)

The undersigned, of lawful age, being duly sworn, upon oath, deposes and says: That the undersigned has the lawful authority to execute the within and foregoing proposal/bid for, and on behalf of, the Proposer/Bidder; that the Proposer/Bidder has not, directly or indirectly, entered into any agreement, express or implied, with any Proposer/Bidder, having for its object the controlling of the price or amount of such proposal/bid, the limiting of the proposals/bids or the Proposers/Bidders, the parceling or farming out to any Proposer/Bidder or other persons, of any part of the Agreement or any part of the subject matter of the proposal/bid, or of the profits thereof, and that Proposer/Bidder has not and will not divulge the sealed proposal/bid to any person whomsoever, except those having a partnership or other financial interest with the Proposer/Bidder in the said proposal/bid, until after the said sealed proposals/bids are opened.

The undersigned further states that the Proposer/Bidder has not been a party to any collusion: among Proposer/Bidders in restraint of freedom of competition, by any agreement to bid at a fixed price or to refrain from proposing; or with any City/Trust official, City/Trust employee or City/Trust agent as to the quantity, quality, or price in the prospective Agreement, or any other terms of the said prospective Agreement; or in any discussions between the Proposers/Bidders or City/Trust official, City/Trust employee or City/Trust agent concerning the exchange of money or other thing of value for special consideration in the letting of Agreement. The Proposer/Bidder states that it has not paid, given or donated or agreed to pay, give or donate to any City/Trust official, officer or employee of the City or awarding agency, any money or other thing of value, either directly or indirectly, in the procuring of the award of Agreement pursuant to this Proposal/Bid.

Witness the hands of the parties hereto:

The undersigned states that the Proposer/Bidder will be bound by its proposal/bid, the specification, the terms and conditions of the Agreement, and the Requirements for Proposer/Bidders.

→ → THIS FORM TO BE COMPLETED BY THE PROPOSER/BIDDER PRIOR TO AGREEMENT APPROVAL ← ←

Type Name of Authorized Agent/Representative

Company Name

Address

Telephone Number and Fax Number, if any

Title

Zip Code

TO BE COMPLETED BY THE NOTARY:

State of *

)

) SSS

County of *

)

[*State and County where notarized must be typed in for bid/proposal to be considered.][SAK1]

Signed and sworn to before me on this day of , by

[Day] [Month] [Year] [Print the name of the agent/representative who signed above.]

My Commission Number:

[Oklahoma] Type Name of Notary Public

My Commission Expires:

[Date/Year]

[49 Okla. Stat. 2011 §119]

BIDDER MUST ELECTRONICALLY COMPLETE, SIGN AND NOTARIZE THIS DOCUMENT PRIOR TO SUBMITTING BID

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature.

(See Electronic Signatures in Global and National Commerce Act for more information.)

O
C
W
U
T
0
0
0
3
2

BIDDER MUST ELECTRONICALLY COMPLETE THIS FORM PRIOR TO SUBMITTING BID

SUPPLIER CONTACT INFORMATION

The purpose of this form is to assist various City Departments and Trusts with placing orders.

Sales Contact:

| | | | |
|-------------------|----------------------|----------------|----------------------|
| Company Name: | <input type="text"/> | | |
| Address: | <input type="text"/> | | |
| Contact Person: | <input type="text"/> | Email Address: | <input type="text"/> |
| Telephone Number: | <input type="text"/> | Fax Number: | <input type="text"/> |

Billing Contact:

| | | | |
|-------------------|----------------------|----------------|----------------------|
| Company Name: | <input type="text"/> | | |
| Address: | <input type="text"/> | | |
| Contact Person: | <input type="text"/> | Email Address: | <input type="text"/> |
| Telephone Number: | <input type="text"/> | Fax Number: | <input type="text"/> |

Service Contact:

| | | | |
|-------------------|----------------------|----------------|----------------------|
| Company Name: | <input type="text"/> | | |
| Address: | <input type="text"/> | | |
| Contact Person: | <input type="text"/> | Email Address: | <input type="text"/> |
| Telephone Number: | <input type="text"/> | Fax Number: | <input type="text"/> |

| | |
|---------------------------------|----------------------|
| After Hours Emergency Number(s) | <input type="text"/> |
| After Hours Emergency Number(s) | <input type="text"/> |
| After Hours Emergency Number(s) | <input type="text"/> |
| After Hours Emergency Number(s) | <input type="text"/> |

O
C
W
U
T
0
0
0
3
2



The City of OKLAHOMA CITY

City of Oklahoma City and
its Trusts

Updated 2022

Bid OCWUT 36-24

(Internal use only)

PeopleSoft Vendor ID: _____ Entered by: _____

Helpdesk Ticket #: _____ Date: _____

VENDOR REGISTRATION FORM

Please print legibly or type this information. Form must be completed and signed by authorized individual.

If you are a single member LLC classified as a Disregarded Entity on your W-9, you MUST provide the owner's SSN or EIN, not the LLC's EIN (see IRS pub 3402).

- ☐ **NEW DOMESTIC VENDOR** - Attach the most current IRS W-9 form, along with this form; both MUST be filled out in their entirety.
- ☐ **NEW FOREIGN ENTITY** - Attach the most current, appropriate, IRS W-8 form, along with this form; both MUST be filled out in their entirety

Please provide the City Department or Employee you are working with:

City Department

City Employee

- ☐ **UPDATE EXISTING VENDOR** - Attach the most current IRS W-9/W-8 form, along with this form; both MUST be filled out in their entirety.

Select all types of applicable update(s):

☐ Address Name Tax ID Contact Information ACH/EFT Other: _____

SDBE Program: Please select all applicable vendor characteristics:

Disadvantaged Business Enterprise

Small Business - as defined by the U.S. Small Business Administration

Women-Owned Business - % women owned / controlled _____%

Minority-Owned Business - % Minority owned / controlled _____%

Ethnicity(ies) _____

☐ UEI Number - _____

If you checked any of the above boxes, please provide a brief description of your business: _____

If you checked any of the above boxes, do you wish to receive notifications of upcoming contract opportunities? _____

Do you consent to receive Forms 1099 by email?

Do you wish to receive payments by electronic funds transfer?

Check here if same as PO address

PURCHASE ORDER ADDRESS

BUSINESS NAME

ADDRESS 1

ADDRESS 2

CITY STATE ZIP CODE

CONTACT PERSON

EMAIL ADDRESS

TELEPHONE NUMBER

PAYMENT REMITTANCE ADDRESS

BUSINESS NAME

ADDRESS 1

ADDRESS 2

CITY STATE ZIP CODE

CONTACT PERSON

EMAIL ADDRESS

TELEPHONE NUMBER

Any vendor who accepts payment confirms the following: the invoice is true and correct; the work, service or materials as shown by the invoice or claim have been completed or supplied in accordance with the plans, specifications, orders or requests furnished the vendor; and the vendor has made no payment, directly or indirectly, to any elected official, officer or employee of this City, of money or any other thing of value to obtain payment See [62 O.S. § 310.9](#).

I certify that the information supplied herein is correct and that neither the applicant nor any person (or concern) in any connection with the applicant as a principal or officer is now debarred or otherwise declared ineligible by a public agency for bidding or furnishing materials, supplies or services, to any other public agency thereof. NOTE: Article IV, Section 11 of the City Charter prohibits employees of the City from having a proprietary interest in City Contracts See [11 O.S. § 8-113](#).

Return to Procurement Services:

vendorregistration@okc.gov

100 N. Walker, Suite #200

Oklahoma City, OK 73102

Signature of Person Authorized to Sign

Date Signed

Print Name

Title

3(202)297-1273 Fax (405) 297-2142

OCWUT 0032

**Request for Taxpayer
Identification Number and Certification**
Go to www.irs.gov/FormW9 for instructions and the latest information.

**Give form to the
requester. Do not
send to the IRS.**

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

| | | |
|--|---|--|
| Print or type. See Specific Instructions on page 3. | 1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.) | |
| | 2 Business name/disregarded entity name, if different from above. | |
| | 3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C corporation <input type="checkbox"/> S corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) _____ | 4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____ (Applies to accounts maintained outside the United States.) |
| | 3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions <input type="checkbox"/> | |
| | 5 Address (number, street, and apt. or suite no.). See instructions. | Requester's name and address (optional) |
| | 6 City, state, and ZIP code | |
| | 7 List account number(s) here (optional) | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|---|--|--|---|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|
| Part I Taxpayer Identification Number (TIN) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> , later. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Social security number <table><tr><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td></tr></table> or Employer identification number <table><tr><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> | | | | | - | | | | - | | | | | | | | | - | | | | | | | | |
| | | | | - | | | | - | | | | | | | | | | | | | | | | | | |
| | | | | - | | | | | | | | | | | | | | | | | | | | | | |
| Note: If the account is in more than one name, see the instructions for line 1. See also <i>What Name and Number To Give the Requester</i> for guidelines on whose number to enter. | | | | | | | | | | | | | | | | | | | | | | | | | | |

| |
|---|
| Part II Certification |
| Under penalties of perjury, I certify that: |
| 1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and |
| 2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and |
| 3. I am a U.S. citizen or other U.S. person (defined below); and |
| 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct. |
| Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later. |
| Sign Here Signature of U.S. person Date |

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

What's New
Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form
An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

must obtain your correct taxpayer identification number (TIN), which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid).
- Form 1099-DIV (dividends, including those from stocks or mutual funds).
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds).
- Form 1099-NEC (nonemployee compensation).
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers).
- Form 1099-S (proceeds from real estate transactions).
- Form 1099-K (merchant card and third-party network transactions).
- Form 1098 (home mortgage interest), 1098-E (student loan interest), and 1098-T (tuition).
- Form 1099-C (canceled debt).
- Form 1099-A (acquisition or abandonment of secured property).

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

Caution: If you don't return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding*, later.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued);
2. Certify that you are not subject to backup withholding; or
3. Claim exemption from backup withholding if you are a U.S. exempt payee; and
4. Certify to your non-foreign status for purposes of withholding under chapter 3 or 4 of the Code (if applicable); and
5. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting is correct. See *What Is FATCA Reporting*, later, for further information.

Note: If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Establishing U.S. status for purposes of chapter 3 and chapter 4 withholding. Payments made to foreign persons, including certain distributions, allocations of income, or transfers of sales proceeds, may be subject to withholding under chapter 3 or chapter 4 of the Code (sections 1441–1474). Under those rules, if a Form W-9 or other certification of non-foreign status has not been received, a withholding agent, transferee, or partnership (payor) generally applies presumption rules that may require the payor to withhold applicable tax from the recipient, owner, transferor, or partner (payee). See Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*.

The following persons must provide Form W-9 to the payor for purposes of establishing its non-foreign status.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the disregarded entity.
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the grantor trust.
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust and not the beneficiaries of the trust.

See Pub. 515 for more information on providing a Form W-9 or a certification of non-foreign status to avoid withholding.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person (under Regulations section 1.1441-1(b)(2)(iv) or other applicable section for chapter 3 or 4 purposes), do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515). If you are a qualified foreign pension fund under Regulations section 1.897(l)-1(d), or a partnership that is wholly owned by qualified foreign pension funds, that is treated as a non-foreign person for purposes of section 1445 withholding, do not use Form W-9. Instead, use Form W-8EXP (or other certification of non-foreign status).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a saving clause. Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if their stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first Protocol) and is relying on this exception to claim an exemption from tax on their scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include, but are not limited to, interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third-party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester;
2. You do not certify your TIN when required (see the instructions for Part II for details);
3. The IRS tells the requester that you furnished an incorrect TIN;
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only); or
5. You do not certify to the requester that you are not subject to backup withholding, as described in item 4 under "*By signing the filled-out form*" above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code*, later, and the separate Instructions for the Requester of Form W-9 for more information.

See also *Establishing U.S. status for purposes of chapter 3 and chapter 4 withholding*, earlier.

What Is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all U.S. account holders that are specified U.S. persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code*, later, and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you are no longer tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

• **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note for ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040 you filed with your application.

• **Sole proprietor.** Enter your individual name as shown on your Form 1040 on line 1. Enter your business, trade, or “doing business as” (DBA) name on line 2.

• **Partnership, C corporation, S corporation, or LLC, other than a disregarded entity.** Enter the entity’s name as shown on the entity’s tax return on line 1 and any business, trade, or DBA name on line 2.

• **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. Enter any business, trade, or DBA name on line 2.

• **Disregarded entity.** In general, a business entity that has a single owner, including an LLC, and is not a corporation, is disregarded as an entity separate from its owner (a disregarded entity). See Regulations section 301.7701-2(c)(2). A disregarded entity should check the appropriate box for the tax classification of its owner. Enter the owner’s name on line 1. The name of the owner entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For

example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner’s name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity’s name on line 2. If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, enter it on line 2.

Line 3a

Check the appropriate box on line 3a for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3a.

| IF the entity/individual on line 1 is a(n) . . . | THEN check the box for . . . |
|--|--|
| • Corporation | Corporation. |
| • Individual or • Sole proprietorship | Individual/sole proprietor. |
| • LLC classified as a partnership for U.S. federal tax purposes or • LLC that has filed Form 8832 or 2553 electing to be taxed as a corporation | Limited liability company and enter the appropriate tax classification: P = Partnership, C = C corporation, or S = S corporation. |
| • Partnership | Partnership. |
| • Trust/estate | Trust/estate. |

Line 3b

Check this box if you are a partnership (including an LLC classified as a partnership for U.S. federal tax purposes), trust, or estate that has any foreign partners, owners, or beneficiaries, and you are providing this form to a partnership, trust, or estate, in which you have an ownership interest. You must check the box on line 3b if you receive a Form W-8 (or documentary evidence) from any partner, owner, or beneficiary establishing foreign status or if you receive a Form W-9 from any partner, owner, or beneficiary that has checked the box on line 3b.

Note: A partnership that provides a Form W-9 and checks box 3b may be required to complete Schedules K-2 and K-3 (Form 1065). For more information, see the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

If you are required to complete line 3b but fail to do so, you may not receive the information necessary to file a correct information return with the IRS or furnish a correct payee statement to your partners or beneficiaries. See, for example, sections 6698, 6722, and 6724 for penalties that may apply.

Line 4 Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third-party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys’ fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space on line 4.

1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2).

OCWUT 00032

- 2—The United States or any of its agencies or instrumentalities.
- 3—A state, the District of Columbia, a U.S. commonwealth or territory, or any of their political subdivisions or instrumentalities.
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities.
- 5—A corporation.
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or territory.
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission.
- 8—A real estate investment trust.
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940.
- 10—A common trust fund operated by a bank under section 584(a).
- 11—A financial institution as defined under section 581.
- 12—A middleman known in the investment community as a nominee or custodian.
- 13—A trust exempt from tax under section 664 or described in section 4947.

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

| IF the payment is for . . . | THEN the payment is exempt for . . . |
|--|---|
| • Interest and dividend payments | All exempt payees except for 7. |
| • Broker transactions | Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012. |
| • Barter exchange transactions and patronage dividends | Exempt payees 1 through 4. |
| • Payments over \$600 required to be reported and direct sales over \$5,000 ¹ | Generally, exempt payees 1 through 5. ² |
| • Payments made in settlement of payment card or third-party network transactions | Exempt payees 1 through 4. |

¹ See Form 1099-MISC, Miscellaneous Information, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) entered on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37).

B—The United States or any of its agencies or instrumentalities.

C—A state, the District of Columbia, a U.S. commonwealth or territory, or any of their political subdivisions or instrumentalities.

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i).

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i).

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state.

G—A real estate investment trust.

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940.

I—A common trust fund as defined in section 584(a).

J—A bank as defined in section 581.

K—A broker.

L—A trust exempt from tax under section 664 or described in section 4947(a)(1).

M—A tax-exempt trust under a section 403(b) plan or section 457(g) plan.

Note: You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, enter "NEW" at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have, and are not eligible to get, an SSN, your TIN is your IRS ITIN. Enter it in the entry space for the Social security number. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note: See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.SSA.gov. You may also get this form by calling 800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/EIN. Go to www.irs.gov/Forms to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to www.irs.gov/OrderForms to place an order and have Form W-7 and/or Form SS-4 mailed to you within 15 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and enter "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, you will generally have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon. See also *Establishing U.S. status for purposes of chapter 3 and chapter 4 withholding*, earlier, for when you may instead be subject to withholding under chapter 3 or 4 of the Code.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

OCWUT 000032

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third-party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

| For this type of account: | Give name and SSN of: |
|--|---|
| 1. Individual | The individual |
| 2. Two or more individuals (joint account) other than an account maintained by an FFI | The actual owner of the account or, if combined funds, the first individual on the account ¹ |
| 3. Two or more U.S. persons (joint account maintained by an FFI) | Each holder of the account |
| 4. Custodial account of a minor (Uniform Gift to Minors Act) | The minor ² |
| 5. a. The usual revocable savings trust (grantor is also trustee) | The grantor-trustee ¹ |
| b. So-called trust account that is not a legal or valid trust under state law | The actual owner ¹ |
| 6. Sole proprietorship or disregarded entity owned by an individual | The owner ³ |
| 7. Grantor trust filing under Optional Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))** | The grantor* |

| For this type of account: | Give name and EIN of: |
|---|---------------------------|
| 8. Disregarded entity not owned by an individual | The owner |
| 9. A valid trust, estate, or pension trust | Legal entity ⁴ |
| 10. Corporation or LLC electing corporate status on Form 8832 or Form 2553 | The corporation |
| 11. Association, club, religious, charitable, educational, or other tax-exempt organization | The organization |
| 12. Partnership or multi-member LLC | The partnership |
| 13. A broker or registered nominee | The broker or nominee |
| 14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments | The public entity |
| 15. Grantor trust filing Form 1041 or under the Optional Filing Method 2, requiring Form 1099 (see Regulations section 1.671-4(b)(2)(i)(B))** | The trust |

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name on line 1, and enter your business or DBA name, if any, on line 2. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.)

* **Note:** The grantor must also provide a Form W-9 to the trustee of the trust.

** For more information on optional filing methods for grantor trusts, see the Instructions for Form 1041.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information, such as your name, SSN, or other identifying information, without your permission to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax return preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity, or a questionable credit report, contact the IRS Identity Theft Hotline at 800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 877-777-4778 or TTY/TDD 800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 800-366-4484. You can forward suspicious emails to the Federal Trade Commission at spam@uce.gov or report them at www.ftc.gov/complaint. You can contact the FTC at www.ftc.gov/idtheft or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see www.IdentityTheft.gov and Pub. 5027.

Go to www.irs.gov/IdentityTheft to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and territories for use in administering their laws. The information may also be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payors must generally withhold a percentage of taxable interest, dividends, and certain other payments to a payee who does not give a TIN to the payor. Certain penalties may also apply for providing false or fraudulent information.

O
C
W
U
T
0
0
0
3
2

2024

Rebecca Cavnar
Administrative Specialist
The City of Oklahoma City
Utilities Department
Rebecca.Cavnar@okc.gov

OCWUT
00032

OCWUT 36-24

Fire Hydrants, Valves, Repair Kits, & Services

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

Table of Contents

| | |
|--|----|
| GENERAL INSTRUCTIONS AND REQUIRMENTS FOR BIDDERS | 3 |
| OKLAHOMA OPEN RECORDS ACT AND CONFIDENTIAL INFORMATION | 6 |
| INTENT OF CONTRACT | 7 |
| CONTRACTING ENTITY | 7 |
| BIDDER..... | 7 |
| SCOPE OF BID/PRICING AGREEMENT/CONTRACT..... | 7 |
| RETAIL/CATALOG/PRICE LIST/WEBSITE PERCENTAGE DISCOUNT..... | 7 |
| SUBSTITUTE OFFERS..... | 8 |
| PRICING AGREEMENT/CONTRACT PERIOD..... | 8 |
| PRICING AGREEMENT/CONTRACT RENEWAL OPTION | 9 |
| DELIVERY..... | 9 |
| COMMERCIAL PACKAGING..... | 10 |
| ESTIMATED ANNUAL REQUIREMENTS (NO GUARANTEE) | 10 |
| ORDER OF PRECEDENCE | 11 |
| PAYMENT METHODS..... | 11 |
| PAYMENT/INVOICE..... | 11 |
| WARRANTY | 12 |
| GENERAL PROVISIONS | 12 |
| INSURANCE REQUIREMENTS..... | 13 |
| SAFETY/RESPONSIBILITY | 14 |
| SAFETY DATA SHEETS..... | 14 |
| BRAND NAMES/EXAMPLES | 15 |
| RIGHT TO ACCEPT OR REJECT AND WAIVING OF FORMALITIES..... | 15 |
| WHOLE AGREEMENT | 15 |
| INDEPENDENT BIDDER..... | 15 |
| INDEMNITY REQUIREMENTS..... | 15 |
| ADDENDA..... | 16 |
| CLARIFICATION..... | 16 |
| UNDUE INFLUENCE | 16 |
| AWARD METHODOLOGY | 17 |
| TECHNICAL SPECIFICATIONS | 18 |
| LETTER OF AUTHORIZATION..... | 22 |

OCWUT 36-24

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

GENERAL INSTRUCTIONS AND REQUIREMENTS FOR BIDDERS

THESE INSTRUCTIONS, REQUIREMENTS AND ANY SPECIAL INSTRUCTIONS CONTAINED IN THE SPECIFICATIONS ARE A PART OF THE TERMS AND CONDITIONS OF THE BIDDER'S IRREVOCABLE BID AS A FIRM OFFER. ANY EXCEPTIONS TO THESE INSTRUCTIONS, REQUIREMENTS OR SPECIFICATIONS MUST BE SPECIFIED AND SUBMITTED WITH THE BIDDER'S BID. THIS CAN BE ACCOMPLISHED BY SUBMITTING AN ALTERNATE OFFER, IF AVAILABLE ON THE BID, OR BY ENTERING INFORMATION INTO THE "NOTE TO BUYER" FIELD. A BIDDER MAY ALSO SUBMIT EXCEPTIONS BY UPLOADING A SEPARATE DOCUMENT LABELED "EXCEPTIONS" INTO THE PERISCOPE SYSTEM. FAILURE TO INDICATE ANY EXCEPTIONS WILL BE REGARDED AS FULL ACCEPTANCE OF THE REQUIREMENTS, INSTRUCTIONS, AND SPECIFICATIONS CONTAINED IN THIS BID PACKET AND ANY OTHER BID DOCUMENTS RELATED TO THIS BID.

1. **EXAMINATION BY BIDDERS:** All Bidders must examine the specifications, drawings, schedules, special instructions and these general instructions and requirements prior to electronically submitting any Bid/Pricing Agreement/Contract. Failure to examine is at the Bidder's own risk as Bidder will be held to the terms, conditions and requirements therein.
2. **SUBMISSION OF FORMS REQUIRED FOR PRICING AGREEMENT/CONTRACT AWARD:** All bids must be completed electronically, on the forms provided by the Contracting Entity through the electronic bidding system. Bids will not be considered unless the Bid/Pricing Agreement/Contract form is completed, signed and submitted by the Bidder in the electronic bidding system. A Letter of Authorization should also be attached and submitted when the Bidder is not authorized by statute and the Bidder's organizational and establishing documents to sign and bind the Bidder to the Bid/Pricing Agreement/Contract documents. The Anti/Non-Collusion Affidavit must be executed by the Bidder or an authorized agent and notarized. The notarization must contain:
 - (a) The notary's signature (electronic signature);
 - (b) Jurisdiction where notarization took place (i.e., State of __, County of __);
 - (c) Date of notarization;
 - (d) The notary's commission expiration date;
 - (e) The notary's commission number (Oklahoma);
 - (f) The notarial seal (the notary seal is not required for electronic notarization); and
 - (g) Comply with all other applicable laws. The anti/non-collusion affidavit must be submitted electronically with the electronic bid packet.
3. **SUBMISSION OF BIDS ELECTRONICALLY TO THE CITY CLERK/SECRETARY:** Bids must be submitted electronically through Periscope and shall be opened at the time stated in the Notice to Bidders, or later, in the City Clerk's Conference Room, located on the 2nd floor of the Municipal Building. The Periscope system does not allow bids to be submitted after the deadline. There will be no exceptions to this policy. All bids shall remain on file at least 48 hours thereafter before a Pricing Agreement/Contract shall be made and entered into thereon.
4. **DESCRIPTIVE TERMS:** Unless the term "no substitute" is used, the use of brand name, manufacturer, make, or catalog designation in describing an item does not restrict Bidders to that particular brand name, etc. The term is simply to indicate the type, character, quality and/or performance equivalence of the item desired. However, the proposed substitution item must be of such character, quality and/or performance equivalence as indicated in the specifications. A proposed substitute item must include complete data as to the manufacturer's name, type, model number, any descriptive bulletins and specifications. This data can be uploaded electronically through the electronic bidding system.
5. **EXCEPTIONS:** Any exceptions or variances to these instructions or specifications must be submitted with the Bidder's bid. This can be accomplished by submitting an alternate offer, if available on the bid, or by entering information in the "Note to Buyer" field. A Bidder may also submit exceptions by uploading a separate document labeled "Exceptions" into the Periscope system. Failure to indicate any exceptions will be construed to mean that the Bidder offers to furnish the exact commodity as described in the bid specifications and as full acceptance of the requirements, instructions, and specifications contained in this bid packet and any other bid documents related to this bid.
6. **UNIT PRICES:** A unit price for each unit bid must be shown and include any applicable taxes, delivery, and packaging and/or packing, if any, unless otherwise specified. If there is an estimated quantity stated as such in the specifications, the estimate is not a guarantee of the quantity which may be purchased. When the quantity in the Periscope system is listed as "1", Bidder shall bid the per individual unit price. The Contracting Entity may purchase

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

one or more bid items at any given time throughout the term of the Bid/Pricing Agreement/Contract. The Periscope system will calculate the total based on the quantity requested by the Contracting Entity and the price entered by the Bidder. The Periscope system will calculate the bid price based on the quantity and price. Items bid as an estimated quantity will be awarded on a "no guarantee" basis. Prices shall be extended in decimals, not fractions, and shall include transportation and delivery charges, prepaid by the Bidder to the destination specified in the special instructions of the specifications.

7. **EXEMPTIONS FROM CERTAIN TAXES:** The purchase of certain goods or services by the Contracting Entity is exempt from the payment of excise, transportation, use, and sales tax imposed by the federal, state and/or city governments. Such taxes must not be included in the bid prices. Any taxes that are not exempt must be included in the bid price. No additional payment or compensation will be made for taxes.
8. **PAYMENTS AND DISCOUNTS:**
 - (a) Payment for goods and services as specified in the Bid/Pricing Agreement/Contract shall be processed promptly after completion of delivery and acceptance of items and after receipt from Bidder of properly prepared invoice(s) and/or notarized claim voucher(s), if applicable. Purchases may be made by certain City or Trust employees using a purchasing card. Employees of Contracting Entity are required, when possible, to use a purchasing card for purchases under the amount of \$5,000 for a single transaction. For single transactions over \$5,000, the Bidder may request payment be completed by issuance of a purchase order. Processing fees may not be added when a purchasing card is used. The bid price shall cover any fees a bidder may incur.
 - (b) Discounts for prompt payment will not be considered in bid evaluations, unless otherwise specified. Discounts offered by the Bidder will be taken, however, if payment is made within the discount period.
 - (c) Late charges cannot be assessed against Contracting Entity.
9. **LATE INVOICES:** If the purchase order indicates that the purchase is being made with City funds, all unpaid invoices pertaining to this Bid/Pricing Agreement/Contract must be recorded in the Finance Department, Accounts Payable Section, or in the Office of the City Clerk on or before September 30 for all debts incurred during the prior fiscal year (July 1 through June 30) or said invoice shall be void and forever barred. (See 62 Okla. Stat. 2010 § 310.4).
10. **DELIVERY:**
 - (a) All bid prices quoted shall be based on delivery F.O.B. Oklahoma City, Oklahoma or to any points located within the municipal corporate limits (unless otherwise stated in the bid specifications) with all charges prepaid to the actual point of delivery.
 - (b) Bids must show the number of days required for delivery under normal conditions. Unrealistically short or long delivery promises may cause bids to be rejected. A successful Bidder is required to keep the purchasing department advised at all times of the status of the order and delivery. All goods or services shall be delivered within thirty (30) days from the date of the award of the Bid/Pricing Agreement/Contract, unless specified otherwise.
11. **AWARD OF PRICING AGREEMENT/CONTRACTS:** The Contracting Entity reserves the rights to: award by item, groups of items or all items of the bid; to reject any or all bids in whole or in part; and, waive technical defects, irregularities and/or omissions.
12. **PERFORMANCE BONDS:** If required by the specifications, the successful Bidder must post the performance bond, a certified or cashier's check in the amount required prior to award of Bid/Pricing Agreement/Contract.
13. **PATENTS:** The Bidder agrees to indemnify and save harmless the Contracting Entity, including any of Contracting Entity's employees, the purchasing agent and assistants from all suits and actions of every nature and description brought against the Bidder and/or any assistants because of, or for the use of, patented or licensed appliances, products, or processes. The Bidder shall pay all royalties and charges which are legal, and equitable evidence of such payment or satisfaction shall be submitted upon request of the Contracting Entity, as a necessary requirement in connection with the final execution of any Bid/Pricing Agreement/Contract in which patented or licensed appliances, products, or processes are to be used.
14. **TERMINATION:**
 - (a) The performance of services and/or the delivery of items under any Bid/Pricing Agreement/Contract may be terminated by the Contracting Entity, in whole or in part, whenever it is determined to be in the best interest of the Contracting Entity.
 - (b) Any such termination will be affected by delivery to the Bidder of a termination notice specifying the extent to which performance or services and/or delivery of ordered commodities is terminated, and the date the termination becomes effective.
 - (c) After receipt of a termination notice, the Bidder shall stop performance of services and/or accept no further orders under the Pricing Agreement/Contract.
15. **COMPLIANCE WITH APPLICABLE LAWS:** All Bidders must comply with all applicable federal, state or local laws and regulations, including Title VI and all provisions of the Civil Rights Act of 1964 42, U.S.C. §§ 2000d, -et seq.

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

16. **SELF-INSURED:** The Contracting Entity is self-insured for its own negligence. The liability of the Contracting Entity for acts of negligence are limited and subject to the Governmental Tort Claims Act, 51 O.S. §§ 151, *et seq.*
17. **RIGHT TO AUDIT:** The Contracting Entity shall at all times have the right to examine books, papers and records of the successful Bidder relative to all aspects of the Bid/Pricing Agreements/Contracts awarded as a result of this bid to confirm Bid/Pricing Agreement/Contract compliance. Failure to provide the requested information may result in termination of the Bid/Pricing Agreement/Contract. This right to audit only affects Bid/Pricing Agreement/Contract compliance as a result of this bid and does not apply to Bidder records beyond the scope of the Bid/Pricing Agreement/Contract.
18. **REFERENCES:** The Contracting Entity has the right to request references from Bidders.
19. **BID EVALUATION:** Bids will be evaluated based upon the lowest overall cost to the Contracting Entity and a Bidder's responsiveness to the requirements of the specifications. The Contracting Entity retains the right to waive minor deficiencies of specifications, technicalities, or informalities in a bid, provided that the best interest of the Contracting Entity would be served without prejudice to the rights of other Bidders.

OCWUT 00032

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

OKLAHOMA OPEN RECORDS ACT AND CONFIDENTIAL INFORMATION

All materials submitted to the Contracting Entity pursuant to this Bid or Proposal potentially become subject to the mandates of the Oklahoma Open Records Act, O.S. §§ 24A.1. *et seq.* The purpose of this Act is to ensure and facilitate the public's right of access to and review of government records, so they may efficiently and intelligently exercise their inherent political power. Almost all "records," as that term is defined in the Act, may be disclosed to the public upon request. Except where specific state or federal statutes create a specific and express exemption or confidential privilege, persons who submit information to public bodies have no right to keep this information from public access nor have a reasonable expectation that this information will be kept from public access.

If you believe that any of the information you have submitted to the Contracting Entity pursuant to this Bid or Proposal is exempt or confidential under a specific state or federal statute, and therefore not subject to public access under the Oklahoma Open Records Act, you must comply with the following:

1. Place said documents/records in a separate electronic file attachment marked "Confidential". DO NOT label your entire Bid or Proposal as "Confidential" – label only those portions of the Bid or Proposal that you feel are exempt or are made confidential by state or federal law as "Confidential".
2. For each such document for which you are claiming an exemption or a confidential privilege, identify the federal and/or state law that creates said privilege, e.g., for trade secrets, see 21 O.S. § 1732 (Larceny of Trade Secrets) and the Uniform Trade Secrets Act, 78 O.S. §§ 85, *et seq.*

Should an Open Records request be presented to the Contracting Entity requesting information you have identified as "Confidential," you will be responsible for defending your position in the District Court, if needed.

If you fail to identify any records submitted as part of your Bid or Proposal as "Confidential", you are agreeing that said records are not exempt or confidential and are subject to public access.

Upon receipt of a request by a third party to review or copy records properly identified as "Confidential," you will be notified of the request and thereby given an opportunity to immediately enforce and protect your rights by initiating an action in a court of competent jurisdiction. Should you fail to timely bring an action to enforce your rights, then the requested records will be released by the Contracting Entity based upon its determination of the application of the Oklahoma Open Records Act.

[Rest of page intentionally left blank]

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

SPECIFICATIONS

INTENT OF CONTRACT

The Oklahoma City Water Utilities Trust (OCWUT), “Contracting Entity,” will accept electronic bids for the purchase of traffic model fire hydrants, hydrant and valve repair kits, valves, valve positioners, valve operators, and repair parts/services for the Utilities Department.

CONTRACTING ENTITY

The term "Contracting Entity" as used throughout this Bid/Pricing Agreement/Contract shall also mean The City of Oklahoma City and any participating Public Trust which chooses to avail itself of the goods or services from the resultant Bid/Pricing Agreement/Contract. Should a participating Public Trust, of which The City of Oklahoma City is Beneficiary, choose to avail itself of goods or services from the resultant Bid/Pricing Agreement(s)/Contract(s), the Bidder(s) will honor the terms and conditions, including price, of the Bid/Pricing Agreement(s)/Contract(s).

BIDDER

Upon award of this Bid/Pricing Agreement/Contract, the term “Bidder” shall mean the contracting party supplying the goods and/or services.

SCOPE OF BID/PRICING AGREEMENT/CONTRACT

The Bidder shall furnish and supply the items on the inventory list in accordance with the terms, conditions and provisions set forth herein.

The Contracting Entity reserves the right to award this Bid/Pricing Agreement/Contract to a single Bidder or to multiple Bidders, whichever is deemed to be in the best interest of the Contracting Entity. You may bid on some or all items. If you stock only selected sizes of a part, please indicate the sizes you stock in the “Note to Buyer” field. If you choose not to bid on one of the items respond by typing, "No Bid" in the “Note to Buyer” field of the Line Item in the Periscope system.

RETAIL/CATALOG/PRICE LIST/WEBSITE PERCENTAGE DISCOUNT

The Contracting Entity’s Terms and Conditions supersede any and all Terms and Conditions as shown in catalog(s) submitted with the bid. The Bidder may bid discounts for repair parts and accessories for a retail location, from a catalog, price list, and/or website. A Bidder may also bid discounts for specific brands and/or specific items. The Contracting Entity shall receive the lowest price listed where the website and catalog prices conflict.

To bid a catalog, price list, and/or website discount, enter the catalog title/edition (digital if available), price list, and/or website address, and corresponding discount on the line item provided in the electronic bidding system.

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

Specific brand(s) can be bid at a discount different than the overall catalog, price list and/or website discount on the line item provided in the electronic bidding system. To bid a specific item and not catalog, indicate model, brand, and corresponding discount for each item you bid on the line item provided in the electronic bidding system.

It is understood that manufacturers may periodically update their price list. The list price in effect at the time of the purchase shall apply.

Bidders/manufacturers may offer greater discounts based on volume or other incentives. Bidders are authorized to pass through any additional discounts to the Contracting Entity. In the event of a conflict between the discount price and any special pricing, the lower of the two prices shall prevail.

SUBSTITUTE OFFERS

If the specifications provide that the Contracting Entity is accepting substitute offers for a good or service, this option will be available for Bidders in Periscope when completing the electronic bid packet. The Contracting Entity is under no obligation to accept a substitute offer.

PRICING AGREEMENT/CONTRACT PERIOD

The Bid/Pricing Agreement/Contract shall be effective for a period of three (3) years, with an option to renew for one (1) additional three (3) year term, as approved by the Contracting Entity. The Bid/Pricing Agreement/Contract shall be in effect commencing on the date of the award as approved by the Contracting Entity.

The Bidder's performance will be evaluated on an ongoing basis during the term of the Bid/Pricing Agreement/Contract. Based on these evaluations, the OCWUT's General Manager and/or appointed designee will determine if any problems exist. The following criteria will be applied in the Bid/Pricing Agreement/Contract evaluation performance process:

- The ability, capacity, and skills utilized by the contracted Bidder in the performance of the Bid/Pricing Agreement/Contract and providing the services required;
- Whether the Bidder performed the requirements of the Bid/Pricing Agreement/Contract in providing the service promptly, or within the time specified, without delay or interference;
- The quality, availability and adaptability of the supplies, materials, and repair parts furnished to the particular use required.

The Contracting Entity reserves the right to apply Contract Cancellation/Order of Precedence in the event of Bidder's inability to perform the requirements of the Bid/Pricing Agreement/Contract.

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

PRICING AGREEMENT/CONTRACT RENEWAL OPTION

Should the Contracting Entity desire to renew the Bid/Pricing Agreement/Contract, a written preliminary notice will be furnished to the Bidder prior to the expiration date of the Bid/Pricing Agreement/Contract. (Such preliminary notice will not be deemed to commit the Contracting Entity to renew.)

Upon receipt of the Contracting Entity's preliminary notice, the Bidder shall, if desired, submit a written agreement to continue Pricing Agreement/Contract performance for an additional three-year period.

Should the Contracting Entity exercise this option for renewal, the Bid/Pricing Agreement/Contract as renewed shall be deemed to include this option provision except that the total duration of this Bid/Pricing Agreement/Contract, including any renewals, shall not exceed three years without approval of the Contracting Entity.

In all cases Bid/Pricing Agreement/Contract renewals must be approved by the Contracting Entity.

DELIVERY

Bidders shall specify their proposed delivery times for the requested goods and services in the line-item pricing area in the electronic bidding system. If a deadline is specified and no alternative is proposed, the Bidder will have agreed to meet the stated deadline.

The Contracting Entity shall not be held liable for any and all damages sustained by Bidders for delivery of materials and/or services awarded by Bid/Pricing Agreement/Contract.

Bidder's delivery schedule shall be an important criterion in the evaluation of bids and recommendations for awards. The successful Bidder shall be required to deliver materials and supplies **within 30 calendar days** after receipt of a purchase order from the Contracting Entity.

The delivery location(s) are as follows:

| Location | Address | Contact Person | Phone No. |
|---------------------------|---|--|----------------------------------|
| Line Maintenance Division | 621 N. Pennsylvania Ave. Oklahoma City, OK 73107 | Herbert Jones, Warehouse Manager Warehouse Counter | 405-297-2810 405-297-2983 |

OCWUT reserves the right to pick up any and all items at the awarded Bidder facility. Awarded Bidder will be notified with the order if shipping is not necessary. The awarded Bidder must load items on OCWUT vehicles when picked up.

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

Specific Delivery Requirements

All deliveries shall be made Monday through Friday and arriving no earlier than 9:00 a.m. extending to such time that a normal unloading can be accomplished before 2:00 p.m. Unusual circumstances will receive consideration for any variance from these days and hours.

Inspection and Acceptance at Destination

Final inspection and acceptance shall be at destination. Although source inspection by the Contracting Entity is not anticipated under this Bid/Pricing Agreement/Contract, the provisions of this article shall in no way be construed to limit the rights of the Contracting Entity to otherwise conduct source inspections which it deems to be appropriate.

F.O.B. Destination

The Bidder shall deliver each item F.O.B. Destination, Oklahoma City, Oklahoma, and to any and all points designated in the specifications. Inside delivery is required unless specifically and expressly stated in the specifications. Delivery location will be stated on each order as it is placed.

COMMERCIAL PACKAGING

Preservation, packaging, packing, and marking will be in accordance with Bidder's best commercial practice to provide adequate protection against shipping damage. Bidder is required to replace any goods damaged in shipping or delivery.

ESTIMATED ANNUAL REQUIREMENTS (NO GUARANTEE)

The quantity of any item, good, or service when shown in the price schedule as an estimate of an annual requirement is merely an estimate based on currently available information. The purchase of any such item or quantity of goods or service is not guaranteed. Any offer conditioned upon a promise by the Contracting Entity to purchase a minimum or definite quantity of such an item will be rejected.

The Bidder agrees to furnish all quantities ordered by the Contracting Entity during the Bid/Pricing Agreement/Contract period.

The Contracting Entity agrees to place orders with the Bidder for all its requirements for those items shown in the price schedule, as awarded, except as follows:

- a) Quantities of items needed under conditions of emergency or public exigency as approved by the Purchasing Agent.
- b) Quantities of items obtainable from State contracts, as approved by the Purchasing Agent.
- c) Quantities of items where federal funds are involved, and other action is warranted for federal regulatory compliance purposes.
- d) Quantities of items awarded under specific and separate Bid/Pricing Agreements/Contracts.
- e) Quantities of items which otherwise are determined to be outside the general scope and intent of this Bid/Pricing Agreement/Contract.

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

If requirements for any awarded items do not materialize for the quantity estimated in the applicable price schedule, such failure shall not constitute grounds for equitable adjustment or additional compensation.

There is no obligation to purchase any items from this Bid/Pricing Agreement/Contract, and purchases made in future fiscal years or other contract periods are subject to future appropriations and availability of funds.

The Contracting Entity may request Bidder provide quantity discounts when making larger purchases. Quantity discounts will be requested from all Bidders when multiple Bid/Pricing Agreements/Contracts are awarded.

There shall be no minimum quantity requirements associated with pricing and delivery. The Contracting Entity shall provide the amount requested without having a minimum amount or quantity ordered.

ORDER OF PRECEDENCE

In the event of an inconsistency between provisions of this Bid/Pricing Agreement/Contract, the inconsistency shall be resolved by giving precedence in the following order: (i) Bid/Pricing Agreement/Contract articles, (ii) Technical Specifications, (iii) Specifications, (iv) Notice to Bidders, (v) General Instructions and Requirements for Bidders, (vi) other requirements provided by the Contracting Entity in the bid packet, then (vii) attachments, notes, and exceptions by Bidder.

PAYMENT METHODS

The ordering departments will utilize purchase order numbers or purchasing cards for ordering the goods and services they require as the need arises during the Bid/Pricing Agreement/Contract period.

The Contracting Entity shall not be held liable for any damages sustained by any Bidder for delivery of goods or services awarded by Bid/Pricing Agreement/Contract unless accompanied by an authorized purchase order or purchasing card reference name and number. Delivery of goods or services to any department of Contracting Entity without a purchase order document, purchase order number or purchasing card reference name and number given at the time the order is placed shall constitute an unauthorized purchase.

PAYMENT/INVOICE

Payments will be processed promptly after completion of delivery of ordered items and after receipt of properly prepared invoices.

The original invoice must be mailed directly to the Oklahoma City Water Utilities Trust, Attn: Finance Operations, 420 West Main, Suite 500, Oklahoma City, OK 73102. In addition, invoices and payment correspondence may be emailed to wwfinancepayables@okc.gov. Copies of invoices may be sent to other addresses upon request. However, if the original invoice is sent to any other address, payment will be delayed, or may not be processed at all.

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

Invoices must contain the following information:

- a. Bidder's name and address
- b. Ship to address (department name)
- c. Purchase order number - **MUST BE INDICATED ON THE INVOICE**
- d. Itemization of each item purchased to include:
 - i. description/stock number
 - ii. unit price
 - iii. quantity
 - iv. unit of issue (each, box, dozen, pound, etc.)
 - v. total price
- e. Total amount of invoice
- f. Date of delivery

*Invoices should not reflect any outstanding backorders.

WARRANTY

The Bidder warrants that at the time of delivery, all items furnished under this Bid/Pricing Agreement/Contract will be free from defects in material or workmanship and will conform to the specifications and all other requirements of this Bid/Pricing Agreement/Contract. All Bidders will furnish with their bid one copy of their warranty applicable to the supplies or equipment to be furnished.

As to any item which does not conform to this warranty, the Bidder agrees that the Contracting Entity shall have the right to:

- a) Reject and return each nonconforming item to the Bidder for correction or replacement at the Bidder's expense; or
- b) Require an equitable adjustment in the Bid/Pricing Agreement/Contract price.

This warranty shall be in addition to any other rights of the Contracting Entity.

All equipment warranties shall start on the date of installation and will be for the full term of said warranty.

GENERAL PROVISIONS

The following documents are attached or by this reference incorporated as a part of this Bid/Pricing Agreement/Contract:

- a. Bid/Pricing Agreement/Contract Form & Non-Discrimination Statement
- b. Anti/Non-collusion Affidavit
- c. General Instructions and Requirements for Bidders
- d. Supplier Contact Form
- e. Technical Specifications
- f. Oklahoma Open Records Act and Confidential Information
- g. W-9 Request for Taxpayer Identification Number and Certification
- h. Vendor Registration Form

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

- i. Exhibit A – Federal Acquisition Regulations
- j. Bid Form A – Technical Questionnaire

INSURANCE REQUIREMENTS

The following insurance requirements are applicable and must be obtained prior to award if the bid submitted includes on-site installation, on-site maintenance services or other repair services to be performed on the Contracting Entity's property, or if insurance coverage is otherwise requested by the Contracting Entity.

WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE:

The Bidder shall carry Worker's Compensation Insurance in amounts as prescribed by the laws of the State of Oklahoma.

GENERAL LIABILITY INSURANCE: The Bidder shall carry a general liability insurance policy to protect the Bidder and any the Contracting Entity as Additional Insured from claims for property damage and bodily injury including death, or other loss which may arise directly or indirectly from the activities, omissions, and operations of the Bidder under the Bid/Pricing Agreement/Contract, whether such activities, omissions, and operations be by the Bidder, its subcontractor, or by anyone employed by or acting for the benefit of the Bidder in conjunction with this Bid/Pricing Agreement/Contract. The general liability policy shall have, at a minimum, the following coverage amounts:

Property Damage Liability - Limits shall be carried in the amount of not less than twenty-five thousand dollars (\$25,000) to any one person for any single claim for damage to or destruction of property arising out of a single act, accident, or occurrence.

All Other Liability - In the amount not less than one hundred seventy-five thousand dollars (\$175,000) for claims including accidental death, personal injury, and all other claims to any one person out of a single act, accident, or occurrence.

General Aggregate Limit- In an amount not less than one million dollars (\$1,000,000) for any number of claims arising out of a single act, occurrence or accident.

AUTOMOBILE LIABILITY INSURANCE – The Bidder shall maintain automobile insurance coverage in, at a minimum, the amounts required by Oklahoma law as to the ownership, maintenance, and use of all owned, non-owned, leased or hired vehicles and equipment when said vehicles or equipment is utilized to meet the requirements of this contract.

The insurance policies required herein shall be issued by a company authorized to do business in the state of Oklahoma and acceptable to Contracting Entity. Upon request, the Contracting Entity shall be furnished with a Certificate of Insurance evidencing all of the above-referenced requirements. All policies shall be in the form of an "occurrence" insurance coverage or policy.

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

If any insurance is written in a “claims made” form, the Bidder shall also provide tail coverage that extends a minimum of two years from the expiration of the Bid/Pricing Agreement/Contract. Unless stated otherwise above, all policies must be fully insured with any single deductible not exceeding \$25,000. Bidder or Bidder’s insurance company must provide Contracting Entity at least thirty (30) days’ prior written notice of any cancellation or material coverage change in their policies. **The Contracting Entity shall be listed as a Certificate Holder. This Bid/Pricing Agreement/Contract requires that Contracting Entity, including The City of Oklahoma City and its participating public trusts to this Bid/Pricing Agreement/Contract whether named herein or by reference only, be named as additional insured on the Bidder’s insurance policies, except Worker’s Compensation and Employer’s Liability Insurance, to the full limits of the policies and consistent with the same coverages available to the named insured. Any blanket additional insured endorsement which limits coverage to any Contracting Entity is not compliant with this Bid/Pricing Agreement/Contract and shall be considered a breach. Contracting Entity must be provided with a Certificate of Insurance or Endorsement evidencing Contracting Entity’s additional insured status prior to contract award. The policy description shall state the following: “Additional insured(s) on the listed policies are those required in the contract.”**

Unless otherwise approved by the Contracting Entity prior to contract award, self-insured retentions will not be accepted unless accompanied by a bond or irrevocable letter of credit guaranteeing payment of the losses, related investigations, claim administration, and defense expenses not otherwise covered by the Bidder’s self-insured retention.

SAFETY/RESPONSIBILITY

The Bidder is to assure their employees are work and safety-trained, knowledgeable of all job-related hazards and must document the training of their employees. The Bidder must assure employees follow all safety rules; and must report to plant personnel any hazards and/or occurrence.

SAFETY DATA SHEETS

Any Bidder supplying goods or materials to the Contracting Entity that require a Safety Data Sheet (SDS) will furnish the required sheet or a composite concentration list in one of the following manners:

- Submitted as part of the proposal document
- Submitted prior to Agreement/Contract award
- Submitted with the product invoice
- Submitted at the request of the Contracting Entity

In all instances, the Bidder shall furnish the safety data sheets with the products at delivery, and shall comply with all local, state, and federal laws providing for identification of materials transported to the Contracting Entity. The appropriate proposal number, Bid/Pricing Agreement/Contract number, delivery ticket number, or invoice number shall be clearly marked on the safety data sheet or the composite concentration lists. Information regarding Safety Data

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

Sheets can be found on-line at <https://www.osha.gov/Publications/OSHA3514.html>. Any question regarding this requirement should be directed to the following address:

Oklahoma City Risk Management Division
420 W. Main Street, Suite 630
Oklahoma City, Oklahoma 73102
(405) 297-3891

BRAND NAMES/EXAMPLES

Any brand names are used for **comparative purposes only**. Slight variations from the measurements and sizes given that do not compromise the requirements of the bid specifications may be considered.

Specific brand names are used solely for reference. The Contracting Entity will consider any lines, which have been previously accepted by the Utilities Department, Engineering Division located online at <https://www.okc.gov/home/showdocument?id=8>.

RIGHT TO ACCEPT OR REJECT AND WAIVING OF FORMALITIES

The Contracting Entity reserves the right to reject any or all bids, to waive certain formalities, or to award the Bid/Pricing Agreement/Contract to the lowest and best bidder(s) depending upon the selection criteria.

WHOLE AGREEMENT

It is expressly agreed by and between the parties hereto that the provisions embodied in the General Instructions and Requirements for Bidders, Specifications and Technical Specifications contain all covenants, agreements, obligations, rights, duties, and stipulations agreed upon by the parties hereto upon the execution hereof. No statements or representations, oral or written, not incorporated herein shall be a part of the Bid/Pricing Agreement/Contract.

INDEPENDENT BIDDER

Bidder is, and shall always remain, an independent Bidder with respect to activities and conduct while engaged in the performance of services for the Contracting Entity under this Bid/Pricing Agreement/Contract. It is expressly understood and agreed by the parties that Bidder shall provide all items and perform all work and services described herein as an independent Bidder and not as an officer, agent, servant, or employee of Contracting Entity or the City of Oklahoma City; that Bidder shall have exclusive control of and the exclusive right to control the details of the item, work and services performed hereunder and all persons performing the same; that Bidder shall be solely responsible for the acts and omissions of its officers, agents, employees, and Bidders, if any; and that nothing herein shall be construed as creating a partnership or joint venture between the Contracting Entity, Oklahoma City and/or the Bidder.

INDEMNITY REQUIREMENTS

The Bidder assumes all risks incident to or in connection with its purpose to be conducted herein under and shall indemnify, defend and save Contracting Entity harmless from damage or injuries of whatever nature or kind to persons or property arising directly or indirectly out of the Bidder's

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

operations and transportation of the Contracting Entity's equipment to and from repair site regardless of fault and arising from acts or omissions of its employees regardless of fault and shall indemnify, defend, and save harmless Contracting Entity from any penalties for violation of any law, ordinance or regulation affecting or having application to said operation.

ADDENDA

It is the Bidder's responsibility to log into the electronic bidding system to monitor any addenda that may be issued during the process. A Bidder's bid will not be accepted if all addenda have not been acknowledged by the Bidder through the electronic bidding system. If you are set up for electronic notifications through the electronic bidding system, you should receive a notification by e-mail when addenda are issued.

CLARIFICATION

Any explanation, clarification, or interpretation desired by a Bidder regarding any part of the solicitation must be requested in writing with sufficient time allowed for a written addendum to reach each Bidder before the submission of their bid. Interpretations, corrections, or changes to the solicitation made in any other manner are not binding upon the Contracting Entity, and Bidders shall not rely upon such interpretations, corrections, or changes. Oral explanations or instructions given before the award of the pricing agreement are not binding.

Technical questions are to be addressed through the electronic bidding system and the Contracting Entity will respond electronically and issue addenda if it deems necessary.

These specifications constitute a vital part of the Bidder's bid. The bid must be submitted on these specifications and include any addenda. Failure to do so will result in a recommendation of bid rejection.

UNDUE INFLUENCE

Upon advertising this solicitation, no officer, employee, agent, or representative of the Bidder shall have any contact or discussion, verbal or written, with any representative of the Contracting Entity (i.e., Trust Officer, City Council member, City staff, etc.) either directly or indirectly through others in which the Bidder seeks to influence any representative of the Contracting Entity regarding any matters pertaining to this solicitation.

Contacts by the Bidder with the Contracting Entity that do not pertain to a solicitation are exempt from this provision. Examples of these exempt contacts are:

- Private, non-business, contacts with the Contracting Entity by the Bidder's employees acting in their personal capacity.
- Business contacts outside of this solicitation that the Contracting Entity may have with the Bidder.
- Presentations and/or responses to inquiries initiated by the Contracting Entity
- Pre-bid or pre-proposal conferences.
- Discussions with the Contracting Entity or its staff as outlined in the bid packet.

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

If a representative of any Bidder submitting a bid violates the foregoing prohibition by contacting any of these parties, such contact may result in the Bidder being disqualified from the procurement process.

AWARD METHODOLOGY

The Contracting Entity anticipates awarding the Pricing Agreement for “OCWUT 27-24” on the Bidder’s ability to meet the requirements of the specifications, lowest and best unit price and best delivery schedule.

- A. The Contracting Entity reserves the right to award this Bid/Pricing Agreement/Contract by line item, by group of items, or all items of the bid; to reject any or all bids in whole or in part, if it is in the best interest of the Contracting Entity. “All or none” type bids will be considered only when it is deemed by the Contracting Entity to be in its best interest.
- B. The Contracting Entity may choose to award contract(s) of a particular item or group of items to one or more Bidder. Generally, the Bidder (s) will be identified as Primary or Secondary Bidder for the items or group of items based on the lowest and best bids(s) for those items or groups of items. From time to time, the Contracting Entity will make a multiple award of a particular item or group of items due to the uniqueness of products or services available based on received bids and the needs of the Contracting Entity. In the event all bid(s) received for a single item or groups of items exceed the stated delivery requirements, the Contracting Entity reserves the right to consider the bids. In the event of similar/identical bids per line item or group of items, the award may be based on shortest delivery as per response from the Bidder’s delivery schedule sheet.

O
C
W
U
T
0
0
0
3
2

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

TECHNICAL SPECIFICATIONS

Pricing must be submitted in Periscope, the electronic bidding system. Technical questions are to be addressed through the electronic bidding system and the Contracting Entity will respond electronically if it deems necessary.

General

Bidder must submit pricing and complete a Technical Questionnaire (Bid Form A) for each hydrant brand through the electronic bidding system.

The Contracting Entity's Terms and Conditions supersede any and all Terms and Conditions as shown in catalogues submitted with bids.

Group 1: Traffic Model Fire Hydrants

General

All fire hydrants furnished under these specifications shall be of dry-top model design conforming to **AWWA Standard for Waterworks Service, AWWA #C-502 Standard for Dry Top Fire Hydrants**, latest revision, with the selective details listed.

Brands of Fire Hydrants

Fire Hydrants furnished under this contract shall be one of the brands listed below, with all selective requirements noted:

American Flow Control Darling Model B84B-5
Clow Medallion
EJ (East Jordan) Watermaster® 5CD250
Mueller Super Centurion 200 Model A-423 (REPAIR PARTS ONLY)
U.S. Metropolitan – 94 (REPAIR PARTS ONLY)
M & H Model 129 (REPAIR PARTS ONLY)

NO OTHER BRAND/MODEL OF FIRE HYDRANT IS APPROVED BY THE CITY OF OKLAHOMA CITY AND WILL NOT BE CONSIDERED FOR PURCHASE.

Drawing and Parts List

Each vendor bidding on these specifications shall have on file at the Oklahoma City Utilities Department (Engineering Division), and at the Oklahoma City Public Works Department, certified reproducible assembly drawings – approved by the City Engineer and by the Utilities Director – of the hydrants to be furnished under these specifications, and shall refer to the specific drawing number in their bid. Offerings having exceptions or modifications of design must be accompanied by new detailed drawings and statements of changes effected. **Failure to meet these requirements shall be sufficient cause for disqualification of bid.**

Drawings furnished under this requirement shall show principal dimensions, including metal

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

thickness and construction details of materials used in all parts of the hydrant ready to install shall be stated.

Each vendor bidding on these specifications shall submit comprehensive parts list with sufficient drawings, detailed language, and component number to clearly identify replacement parts, tools, and accessories

Group 2: Ductile Iron Bodied Butterfly Valves

General

All butterfly valves and components shall be manufactured in strict compliance with **ANSI/AWWA AC504-87** (Revision of **ANSI/AWWA C504-00**) titled **AWWA Standard for Rubber-Seated Butterfly Valves**.

Approved valves can be viewed here: <https://www.okc.gov/departments/public-works/engineer-architect-resources/standards>. Under Standard Specifications – Section 250.

Bidders who are bidding valves not approved or specifically identified, may provide pricing for their equivalent valves and they will be evaluated to be approved.

IRON BODIES

Valves shall have been previously approved by the Oklahoma City Utilities Department: ref. the above-cited standard, Section 1.1.1.4, Mechanical-joint-end valves; class 150B in sizes 3” through 24”, and all classes in sizes 30” through 48”. Responsibility rests with the bidder(s) submit materials that meet with our minimum requirements for approval.

MECHANICAL JOINTS

Mechanical-joint bell dimensions shall conform to **ANSI/AWWA C111/A21.11**. Slots with the same width as the diameter of the bolt holes may be provided, instead of holes in the bell flange, only at those places where the valve body interferes with the inserting of bolts. Unless otherwise, specifically requested by OCWUT, bodies of all valves shall be cast of iron, ductile iron, and/or alloy cast iron.

BRONZE OR BRASS

Components of bronze and/or brass shall be made to ASTM or Copper Development Association recognized alloy specifications.

TESTS

Whenever valve components are to be made in conformance with ASTM or other standards that include test requirements or testing procedures, the valve manufacturer shall meet such requirements or procedures. The records of such test shall be made available if required by OCWUT.

O
C
W
U
T
0
0
0
3
2

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

ACCESSORIES

All butterfly valves shall be furnished complete with beveled-gasket-type Mechanical Joint accessories, as well as any other recognized necessary appurtenances. (The accessories should include a gland pack. The gland pack will contain gaskets, bolts, nuts, and glands for the valve and any parts required for installation.)

Group 3: Ductile Iron Bodied Gate Valves and Tapping Valves

General

All valves and components of Group 3 shall conform to **AWWA specifications C509**. Bidders are responsible for submitting materials for approval that meet the minimum requirements.

IRON BODIES

Valves shall be American Flow Control, M & H, Clow, EJ (East Jordan) or equal, approved by OCWUT; non-rising stem; open left; parallel seat designed for 175 lbs. working pressure in sizes from 2" through 12", and 150 lbs. working pressure in sizes from 14" through 48"; and shall conform to the latest AWWA specifications.

If items bid in sizes 1" through 14" are of the resilient seat type, they shall be required to meet or exceed the requirements of **ANSI/AWWA 509** latest revision. Valves shall be provided with beveled-type mechanical joint accessories. Sealing mechanism shall provide zero leakage at the water working pressure against line flow from either direction and be designed so that no exposed metal seams, edges, screws, etc. are within the waterway in the closed position.

Tapping Valves are to have connecting flanges, standard 125 lbs. with centering lip on the valve flange to fit recess or counterbore on the outlet tapping sleeve flange. The outlet end of the valve shall have a combination mechanical joint end and tapping matching flange. Bolts furnished for the tapping sleeve flange outlet shall be galvanized, sherardized, cadmium plated or equal. All valves shall open left (counterclockwise) and contain O-ring stuffing box. Unless otherwise specified in the form for bidders, valves shall be equipped with standard operating nut.

OKLAHOMA CITY STANDARD SPECIFICATIONS SECTION 520.1

- (1) Gate (Metal Seated) AWWA C-500 & C-515
- (2) Gate (Resilient Seated) AWWA C-509 & C-515
- (3) Tapping AWWA C-500 & C-515 3" – 48"

The following City approved gate valves are listed below:

American Flow Control, Series 2500-1, R W
M&H, Style 4067, R W
Clow, Model 2639/2640, R W
EJ (East Jordan), FlowMaster®, R W

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

Group 4: Mechanical Joint Valves

See electronic submittal for line items.

Group 5: Hydrant & Valve Repair Parts

See electronic submittal for line items.

Group 6: Shop Labor & Service Call Response Time

See electronic submittal for line items.

Group 7: Federal Acquisition Regulations

Bidders must indicate whether they are willing to provide goods in accordance with the Federal Acquisition Regulations (FAR) contract clauses as it applies to goods. See Periscope Item list to indicate Yes or No regarding FAR. Participation is optional but must be indicated either way. Exhibit A contains the applicable FAR contract clauses.

O
C
W
U
T
0
0
0
3
2

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services

LETTER OF AUTHORIZATION

THIS LETTER OF AUTHORIZATION MUST BE COMPLETED IF THE ATTACHED
LEGALLY BINDING DOCUMENT WAS NOT SIGNED BY THE STATUTORILY
AUTHORIZED OFFICER ON BEHALF OF THE CONTRACTING ENTITY

City of Oklahoma City or related Public Trust:

This letter authorizes _____
(PRINTED NAME OF AUTHORIZED AGENT)

to sign the attached legally binding document on behalf of _____
(CONTRACTING ENTITY)

_____.

Sincerely,

Signature of Authorizing Officer Printed Title Date

Printed Name of Authorizing Officer Email Address of Authorizing Officer

NOTE: If the Contracting Entity is a(n):
Corporation The authorizing officer **must** be: President, Vice-President, Chairperson, or Vice-Chairperson
LLC The authorizing officer **must** be: Manager, Managing Member, President, or Vice-President
Partnership The authorizing officer **must** be: General Partner
Joint Venture The authorizing officer **must** be: An Authorized Officer of Each of the Ventures

OCWUT 00032

SECTION I

Contract Clauses

In the event of any inconsistencies between non-mandatory FAR and DFARS clauses incorporated by reference herein or elsewhere and any clauses set forth in full text in this Contract, the full text clauses shall control.

I.1 FAR 52.252-2 Clauses Incorporated by Reference (Feb 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address:

<https://www.ecfr.gov/>
(End of Clause)

I.2 FAR Clauses

The following FAR clauses are incorporated by reference:

| FAR Paragraph | Clause Title | IAW | Date |
|---------------|---|----------------|----------|
| 52.202-1 | Definitions | FAR 2.201 | Jun 2020 |
| 52.203-3 | Gratuities | FAR 3.202 | Apr 1984 |
| 52.203-5 | Covenant Against Contingent Fees | FAR 3.404 | May 2014 |
| 52.203-6 | Restrictions on Subcontractor Sales to the Government | FAR 3.503-2 | Jun 2020 |
| 52.203-7 | Anti-Kickback Procedures | FAR 3.502-3 | Jun 2020 |
| 52.203-8 | Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity | FAR 3.104-9(a) | May 2014 |
| 52.203-10 | Price or Fee Adjustment for Illegal or Improper Activity | FAR 3.104-9(b) | May 2014 |
| 52.203-12 | Limitation on Payments to Influence Certain Federal Transactions | FAR 3.808(b) | Jun 2020 |
| 52.203-13 | Contractor Code of Business Ethics and Conduct | FAR 3.1004(a) | Jun 2020 |
| 52.203-17 | Contractor Employee Whistleblower Rights and Requirements to Inform Employees of Whistleblower Rights | FAR 3.908-9 | Jun 2020 |
| 52.203-19 | Prohibition on Requiring Certain Internal Confidentiality Agreements or Statements | FAR 3.909-3(b) | Jan 2017 |
| 52.204-4 | Printed or Copied Double-sided on Postconsumer Fiber Content Paper | FAR 4.303 | May 2011 |
| 52.204-9 | Personal Identity Verification of Contractor Personnel | FAR 4.1303 | Jan 2011 |

| FAR Paragraph | Clause Title | IAW | Date |
|---------------|---|------------------|-----------------------------|
| 52.204-10 | Reporting Executive Compensation and First-Tier Subcontract Awards | FAR 4.1403(a) | Jun 2020 |
| 52.204-13 | System for Award Management Maintenance | FAR 4.1105(b) | Oct 2018 |
| 52.204-19 | Incorporation by Reference of Representations and Certifications | FAR 4.1202(b) | Dec 2014 |
| 52.204-23 | Prohibition on Contracting for Hardware, Software, and Services Developed or Provided by Kaspersky Lab and Other Covered Entities | FAR 4.2004 | Jul 2018 |
| 52.207-3 | Right of First Refusal of Employment | FAR 7.305(c) | May 2006 |
| 52.209-6 | Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment | FAR 9.409 | Jun 2020 |
| 52.209-9 | Updates of Publicly Available Information Regarding Responsibility Matters | FAR 9.104-7(c) | Oct 2018 |
| 52.215-2 | Audit and Records – Negotiation | FAR 15.209(b) | Jun 2020 |
| 52.215-8 | Order of Precedence – Uniform Contract Format See Section C.1 of contract | FAR 15.209(h) | Oct 1997 |
| 52.215-11 | Price Reduction for Defective Certified Cost or Pricing Data—Modifications | FAR 15.408(c) | Jun 2020 |
| 52.215-13 | Subcontractor Certified Cost or Pricing Data— Modifications <i>DEVIATION 2018-00015</i> | FAR 15.408(e) | Jun 2020 May 2018 |
| 52.215-21 | Requirements for Certified Cost or Pricing Data and Data Other Than Certified Cost or Pricing Data – Modifications | FAR 15.408(m) | Jun 2020 |
| 52.219-8 | Utilization of Small Business Concerns | FAR 19.708(a) | Oct 2018 |
| 52.219-9 | Small Business Subcontracting Plan <i>Alternate II</i> | FAR 19.708(b) | Jun 2020 Alt II Nov 2016 |
| 52.219-16 | Liquidated Damages—Subcontracting Plan | FAR 19.708(b)(2) | Jan 1999 |
| 52.219-28 | Post-Award Small Business Program Representation | FAR 19.309(c) | May 2020 |
| 52.222-1 | Notice to the Government of Labor Disputes | FAR 22.103-5(a) | Feb 1997 |
| 52.222-3 | Convict Labor | FAR 22.202 | Jun 2003 |
| 52.222-4 | Contract Work Hours and Safety Standards—Overtime Compensation | FAR 22.305 | Mar 2018 |
| 52.222-21 | Prohibition of Segregated Facilities | FAR 22.810(a)(1) | Apr 2015 |
| 52.222-26 | Equal Opportunity | FAR 22.810(e) | Sep 2016 |

O
C
W
U
T
0
0
0
3
2

| FAR Paragraph | Clause Title | IAW | Date |
|---------------|---|-----------------------|----------------------------|
| 52.222-37 | Employment Reports on Veterans | FAR 22.1310(b) | Jun 2020 |
| 52.222-40 | Notification of Employee Rights Under the National Labor Relations Act | FAR 22.1605 | Dec 2010 |
| 52.222-50 | Combating Trafficking in Persons | FAR 22.1705(a)(1) | Jan 2019 |
| 52.222-54 | Employment Eligibility Verification | FAR 22.1803 | Oct 2015 |
| 52.223-3 | Hazardous Material Identification and Material Safety Data | FAR 23.303 | Jan 1997 |
| 52.223-5 | Pollution Prevention and Right-to-Know Information <i>Alternate I</i> | FAR 23.1005(b) | May 2011 Alt I May 2011 |
| 52.223-6 | Drug-Free Workplace | FAR 23.505 | May 2001 |
| 52.223-12 | Maintenance, Service, Repair, or Disposal of Refrigeration Equipment and Air Conditioners | FAR 23.804(a)(2) | Jun 2016 |
| 52.223-18 | Encouraging Contractor Policies to Ban Text Messaging While Driving | FAR 23.1105 | Jun 2020 |
| 52.225-13 | Restrictions on Certain Foreign Purchases | FAR 25.1103(a) | Jun 2008 |
| 52.227-1 | Authorization and Consent | FAR 27.201-2(a)(1) | Jun 2020 |
| 52.227-2 | Notice and Assistance Regarding Patent and Copyright Infringement | FAR 27.201-2(b) | Jun 2020 |
| 52.228-5 | Insurance-Work on a Government Installation | FAR 28.310 | Jan 1997 |
| 52.232-1 | Payments | FAR 32.111(a)(1) | Apr 1984 |
| 52.232-8 | Discounts for Prompt Payment | FAR 32.111(b)(1) | Feb 2002 |
| 52.232-11 | Extras | FAR 32.111(c)(2) | Apr 1984 |
| 52.232-17 | Interest | FAR 32.611(a) and (b) | May 2014 |
| 52.232-18 | Availability of Funds | FAR 32.706-1(a) | Apr 1984 |
| 52.232-23 | Assignment of Claims <i>Alternate I</i> | FAR 32.806(a)(1) | May 2014 Alt I Apr 1984 |
| 52.232-25 | Prompt Payment | FAR 32.908(c) | Jan 2017 |
| 52.232-33 | Payment by Electronic Funds Transfer - System for Award Management | FAR 32.1110(a)(1) | Oct 2018 |
| 52.232-39 | Unenforceability of Unauthorized Obligations | FAR 32.706-3 | Jun 2013 |

O
C
W
U
T
0
0
0
3
2

| FAR Paragraph | Clause Title | IAW | Date |
|---------------|---|---------------------|----------------------------|
| 52.232-40 | Providing Accelerated Payments to Small Business Subcontractors | FAR 32.009-2 | Dec 2013 |
| 52.233-1 | Disputes <i>Alternate I</i> | FAR 33.215 | May 2014 Alt I Dec 1991 |
| 52.233-3 | Protest after Award | FAR 33.106(b) | Aug 1996 |
| 52.233-4 | Applicable Law for Breach of Contract Claim | FAR 32.215(b) | Oct 2004 |
| 52.237-2 | Protection of Government Buildings, Equipment, and Vegetation | FAR 37.110(b) | Apr 1984 |
| 52.237-3 | Continuity of Services | FAR 37.110(c) | Jan 1991 |
| 52.242-13 | Bankruptcy | FAR 42.903 | Jul 1995 |
| 52.243-1 | Changes – Fixed-Price <i>Alternate I</i> | FAR 43.205(a)(1)(2) | Aug 1987 Alt I Apr 1984 |
| 52.244-6 | Subcontracts for Commercial Items | FAR 44.403 | Jun 2020 |
| 52.246-25 | Limitation of Liability – Services | FAR 46.805(a)(4) | Feb 1997 |
| 52.248-1 | Value Engineering | FAR 48.201 | Jun 2020 |
| 52.249-2 | Termination for Convenience of the Government (Fixed-Price) | FAR 49.502(b)(1)(i) | Apr 2012 |
| 52.249-8 | Default (Fixed-Price Supply and Service) | FAR 49.504(a)(1) | Apr 1984 |
| 52.252-6 | Authorized Deviations in Clauses | FAR 52.107(f) | Apr 1984 |
| 52.253-1 | Computer Generated Forms | FAR 53.111 | Jan 1991 |

I.2.1 Disputes

The requirements of the Disputes clause at FAR 52.233-1 are supplemented to provide that in regard to the interpretation of retail rates, rate schedules and items directly related to rates and rate schedules provided under this contract, the parties agree to accept as authoritative the interpretation of any statewide public utility regulatory authority with jurisdiction over the contractor. The Government shall not be bound to accept as authoritative interpretations that conflict with Federal law or regulation or that are found by any administrative or judicial forum to: 1) result in discrimination against the Installation; 2) have resulted from abuse of discretion; or 3) have directly or indirectly resulted from any failure on the part of the regulatory authority or its members to comply with applicable laws and regulations.

I.3 DFARS Clauses Incorporated by Reference

The use in this contract of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

The following DFARS clauses are incorporated by reference:

| DFARS Paragraph | Clause Title | IAW | Date |
|-----------------|--|---|----------|
| 252.203-7000 | Requirements Relating to Compensation of Former DoD Officials | DFARS 203.171-4(a) | Sep 2011 |
| 252.203-7001 | Prohibition on Persons Convicted of Fraud or Other Defense-Contract-Related Felonies | DFARS 203.570-3 | Dec 2008 |
| 252.203-7002 | Requirement to Inform Employees of Whistleblower Rights | DFARS 203.970 | Sep 2013 |
| 252.203-7003 | Agency Office of the Inspector General | DFARS 203.1004(a) | Aug 2019 |
| 252.203-7004 | Display of Hotline Posters | DFARS 203.1004(b)(2)(ii) | Aug 2019 |
| 252.204-7000 | Disclosure of Information | DFARS 204.404-70(a) | Oct 2016 |
| 252.204-7003 | Control of Government Personnel Work Product | DFARS 204.404-70(b) | Apr 1992 |
| 252.204-7004 | Level I Antiterrorism Awareness Training for Contractors | DFARS 204.7203 | Feb 2019 |
| 252.205-7000 | Provision of Information to Cooperative Agreement Holders | DFARS 205.470 | Dec 1991 |
| 252.209-7004 | Subcontracting with Firms that Are Owned or Controlled by the Government of a Country that is a State Sponsor of Terrorism | DFARS 209.409 | May 2019 |
| 252.219-7003 | Small Business Subcontracting Plan (DoD Contracts)—Basic | DFARS 219.708(b)(1)(A) and (b)(1)(A)(1) | Dec 2019 |
| 252.223-7001 | Hazard Warning Labels | DFARS 223.303 | Dec 1991 |
| 252.223-7004 | Drug-Free Work Force | DFARS 223.570-2 | Sep 1988 |
| 252.223-7006 | Prohibition on Storage, Treatment, and Disposal of Toxic or Hazardous Materials--Basic | DFARS 223.7106 and 223.7106(a) | Sep 2014 |
| 252.223-7008 | Prohibition of Hexavalent Chromium | DFARS 223.7306 | Jun 2013 |
| 252.225-7012 | Preference for Certain Domestic Commodities | DFARS 225.7002-3(a) | Dec 2017 |
| 252.225-7048 | Export Controlled Items | DFARS 225.7901-4 | Jun 2013 |
| 252.226-7001 | Utilization of Indian Organizations, Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns | DFARS 226.104 | Apr 2019 |
| 252.231-7000 | Supplemental Cost Principles | DFARS 231.100-70 | Dec 1991 |
| 252.232-7003 | Electronic Submission of Payment Requests and Receiving Reports | DFARS 232.7004(a) | Dec 2018 |
| 252.232-7010 | Levies on Contract Payments | DFARS 232.7102 | Dec 2006 |

| DFARS Paragraph | Clause Title | IAW | Date |
|-----------------|---|---------------------|----------|
| 252.235-7003 | Frequency Authorization – Basic | DFARS 235.072(b)(1) | Mar 2014 |
| 252.236-7005 | Airfield Safety Precautions | DFARS 236.570(b)(3) | Dec 1991 |
| 252.243-7001 | Pricing of Contract Modifications | DFARS 243.205-70 | Dec 1991 |
| 252.243-7002 | Requests for Equitable Adjustment | DFARS 243.205-71 | Dec 2012 |
| 252.244-7000 | Subcontracts for Commercial Items and Commercial Components (DOD Contracts) | DFARS 244.403 | Jun 2013 |
| 252.247-7023 | Transportation of Supplies by Sea—Basic | DFARS 247.574(b)(1) | Feb 2019 |

I.4 Utility Services Clauses Incorporated by Reference

The following Utility Services FAR and DFARS clauses are incorporated herein by reference.

| Paragraph | Clause Title | IAW | Date |
|--------------|---|---------------------|----------|
| 52.241-4 | Change in Class of Service (Applicable to Tariff Priced Contracts Only) | FAR 41.501(c)(3) | Feb 1995 |
| 52.241-5 | Contractor's Facilities | FAR 41.501(c)(4) | Feb 1995 |
| 52.241-11 | Multiple Service Locations | FAR 41.501(d)(5) | Feb 1995 |
| 252.241-7001 | Government Access | DFARS 241.501-70(b) | Dec 1991 |

I.5 Clauses Incorporated by Reference: Construction Wage Rates Requirements

The following FAR clauses are incorporated by reference and apply to Initial System Deficiency Corrections, subsequent System Deficiency Corrections, and new connections that involve construction, alteration, or repair (including painting or decorating).

OCWUT 00032

| Paragraph | Clause Title | IAW | Date |
|-----------|---|---------------|----------|
| 52.222-6 | Construction Wage Rate Requirements | FAR 22.407(a) | Aug 2018 |
| 52.222-7 | Withholding of Funds | FAR 22.407(a) | May 2014 |
| 52.222-8 | Payrolls and Basic Records | FAR 22.407(a) | Aug 2018 |
| 52.222-9 | Apprentices and Trainees | FAR 22.407(a) | Jul 2005 |
| 52.222-10 | Compliance with Copeland Act Requirements | FAR 22.407(a) | Feb 1988 |
| 52.222-11 | Subcontracts (Labor Standards) | FAR 22.407(a) | May 2014 |
| 52.222-12 | Contract Termination – Debarment | FAR 22.407(a) | May 2014 |
| 52.222-13 | Compliance with Construction Wage Rate Requirements and Related Regulations | FAR 22.407(a) | May 2014 |
| 52.222-14 | Disputes Concerning Labor Standards | FAR 22.407(a) | Feb 1988 |
| 52.222-15 | Certification of Eligibility | FAR 22.407(a) | May 2014 |

I.6 Other Clauses and Contract Texts

FAR 52.204-21 Basic Safeguarding of Covered Contractor Information Systems (Jun 2016)

(a) *Definitions.* As used in this clause--

“Covered contractor information system” means an information system that is owned or operated by a contractor that processes, stores, or transmits Federal contract information.

“Federal contract information” means information, not intended for public release, that is provided by or generated for the Government under a contract to develop or deliver a product or service to the Government, but not including information provided by the Government to the public (such as on public Web sites) or simple transactional information, such as necessary to process payments.

“Information” means any communication or representation of knowledge such as facts, data, or opinions, in any medium or form, including textual, numerical, graphic, cartographic, narrative, or audiovisual (Committee on National Security Systems Instruction (CNSSI) 4009).

“Information system” means a discrete set of information resources organized for the collection, processing, maintenance, use, sharing, dissemination, or disposition of information (44 U.S.C. 3502).

“Safeguarding” means measures or controls that are prescribed to protect information systems.

(b) Safeguarding requirements and procedures.

OCWUT 00032

(1) The Contractor shall apply the following basic safeguarding requirements and procedures to protect covered contractor information systems. Requirements and procedures for basic safeguarding of covered contractor information systems shall include, at a minimum, the following security controls:

- (i) Limit information system access to authorized users, processes acting on behalf of authorized users, or devices (including other information systems).
- (ii) Limit information system access to the types of transactions and functions that authorized users are permitted to execute.
- (iii) Verify and control/limit connections to and use of external information systems.
- (iv) Control information posted or processed on publicly accessible information systems.
- (v) Identify information system users, processes acting on behalf of users, or devices.
- (vi) Authenticate (or verify) the identities of those users, processes, or devices, as a prerequisite to allowing access to organizational information systems.
- (vii) Sanitize or destroy information system media containing Federal Contract Information before disposal or release for reuse.
- (viii) Limit physical access to organizational information systems, equipment, and the respective operating environments to authorized individuals.
- (ix) Escort visitors and monitor visitor activity; maintain audit logs of physical access; and control and manage physical access devices.
- (x) Monitor, control, and protect organizational communications (i.e., information transmitted or received by organizational information systems) at the external boundaries and key internal boundaries of the information systems.
- (xi) Implement subnetworks for publicly accessible system components that are physically or logically separated from internal networks.
- (xii) Identify, report, and correct information and information system flaws in a timely manner.
- (xiii) Provide protection from malicious code at appropriate locations within organizational information systems.
- (xiv) Update malicious code protection mechanisms when new releases are available.
- (xv) Perform periodic scans of the information system and real-time scans of files from external sources as files are downloaded, opened, or executed.

O
C
W
U
T
0
0
0
3
2

(2) *Other requirements.* This clause does not relieve the Contractor of any other specific safeguarding requirements specified by Federal agencies and departments relating to covered contractor information systems generally or other Federal safeguarding requirements for controlled unclassified information (CUI) as established by Executive Order 13556.

(c) *Subcontracts.* The Contractor shall include the substance of this clause, including this paragraph (c), in subcontracts under this contract (including subcontracts for the acquisition of commercial items, other than commercially available off-the-shelf items), in which the subcontractor may have Federal contract information residing in or transiting through its information system.

(End of clause)

FAR 52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause--

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means--

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means--

OCWUT 000032

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled--

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817). Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an

O
C
W
U
T
0
0
0
3
2

exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) Exceptions. This clause does not prohibit contractors from providing--

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause:

(i) Within one business day from the date of such identification or notification: The contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: Any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts

O
C
W
U
T
0
0
0
3
2

it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) Subcontracts. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

FAR 52.222-35: Equal Opportunity for Veterans (Jun 2020)

(a) *Definitions.* As used in this clause--

“Active duty wartime or campaign badge veteran,” “Armed Forces service medal veteran,” “disabled veteran,” “protected veteran,” “qualified disabled veteran,” and “recently separated veteran” have the meanings given at Federal Acquisition Regulation (FAR) 22.1301.

(b) Equal opportunity clause. The Contractor shall abide by the requirements of the equal opportunity clause at 41 CFR 60-300.5(a), as of March 24, 2014. This clause prohibits discrimination against qualified protected veterans, and requires affirmative action by the Contractor to employ and advance in employment qualified protected veterans.

(c) Subcontracts. The Contractor shall insert the terms of this clause in subcontracts valued at or above the threshold specified in FAR 22.1303(a) on the date of subcontract award, unless exempted by rules, regulations, or orders of the Secretary of Labor. The Contractor shall act as specified by the Director, Office of Federal Contract Compliance Programs, to enforce the terms, including action for noncompliance. Such necessary changes in language may be made as shall be appropriate to identify properly the parties and their undertakings.

(End of Clause)

FAR 52.222-36: Equal Opportunity for Workers with Disabilities (Jun 2020)

(a) Equal opportunity clause. The Contractor shall abide by the requirements of the equal opportunity clause at 41 CFR 60-741.5(a), as of March 24, 2014. This clause prohibits discrimination against qualified individuals on the basis of disability, and requires affirmative action by the Contractor to employ and advance in employment qualified individuals with disabilities.

(b) Subcontracts. The Contractor shall include the terms of this clause in every subcontract or purchase order in excess of the threshold specified in Federal Acquisition Regulation (FAR) 22.1408(a) on the date of subcontract award, unless exempted by rules, regulations, or orders of the Secretary, so that such provisions will be binding upon each subcontractor or vendor. The Contractor shall act as specified by the Director, Office of Federal Contract Compliance Programs of the U.S. Department of Labor, to enforce the terms, including action for noncompliance. Such necessary changes in language may be made as shall be appropriate to identify properly the parties and their undertakings.

O
C
W
U
T
0
0
0
3
2

(End of Clause)

FAR 52.241-2: Order of Precedence—Utilities (FEB 1995)

In the event of any inconsistency between the terms of this contract (including the specifications) and any rate schedule, rider, or exhibit incorporated in this contract by reference or otherwise, or any of the Contractor's rules and regulations, Section C.1, Precedence, of this contract shall control.

(End of clause)

FAR 52.241-3: Scope and Duration of Contract (FEB 1995)

(a) For the period identified in F.2, Commencement of Service, the Contractor agrees to furnish and the Government agrees to purchase the utility services as set forth in the contract.

(b) It is expressly understood that neither the Contractor nor the Government is under any obligation to continue any service under the terms and conditions of this contract beyond the expiration date.

(End of clause)

FAR 52.241-6: Service Provisions (FEB 1995)

(a) Measurement of service.

(1) If required under the terms of the contract, the Contractor shall provide suitable metering equipment of standard manufacture, to be furnished, installed, maintained, repaired, calibrated, and read by the Contractor at its expense.

(2) When applicable, the Contractor shall read all meters at periodic intervals of approximately 30 days unless otherwise identified in this contract.

(b) Meter test.

(1) The Contractor, at its expense, shall periodically inspect and test Contractor-installed meters, if any, at intervals identified in this contract. The Government has the right to have representation during the inspection and test.

(2) At the written request of the Contracting Officer, the Contractor shall make additional tests of any or all such meters in the presence of Government representatives. The cost of such additional tests may be grounds for a request for equitable adjustment.

(c) Change in volume or character. Reasonable notice shall be given by the Contracting Officer to the Contractor regarding any material changes anticipated in the volume or characteristics of the utility service required at each location.

(d) Continuity of service and consumption. The Contractor shall use reasonable diligence to provide a regular and uninterrupted supply of service at each service location, and, unless otherwise stated in this contract, shall not be liable for damages, breach of contract or otherwise, to the Government for failure, suspension, diminution, or other variations of service occasioned by or in consequence of any cause beyond the control of the Contractor, including but not limited to acts of God or of the public enemy, fires, floods,

O
C
W
U
T
0
0
0
3
2

earthquakes, or other catastrophe, strikes, or failure or breakdown of transmission or other facilities.

(End of clause)

FAR 52.241-7: Change in Rates or Terms and Conditions of Service for Regulated Services (FEB 1995)

(a) This clause applies to the extent services furnished under this contract are subject to regulation by a regulatory body. The Contractor agrees to give the Contracting Officer written notice of

(1) the filing of an application for change in rates or terms and conditions of service concurrently with the filing of the application and

(2) any changes pending with the regulatory body as of the date of contract award. Such notice shall fully describe the proposed change. If, during the term of this contract, the regulatory body having jurisdiction approves any changes, the Contractor shall forward to the Contracting Officer a copy of such changes within 15 days after the effective date thereof. The Contractor agrees to continue furnishing service under this contract in accordance with the amended tariff, and the Government agrees to pay for such service at the higher or lower rates as of the date when such rates are made effective.

(b) The Contractor agrees that throughout the life of this contract the applicable published and unpublished rate schedule(s) shall not be in excess of the lowest cost published and unpublished rate schedule(s) available to any other customers of the same class under similar conditions of use and service.

(c) In the event that the regulatory body promulgates any regulation concerning matters other than rates which affects this contract, the Contractor shall immediately provide a copy to the Contracting Officer. The Government shall not be bound to accept any new regulation inconsistent with Federal laws or regulations.

(d) Any changes to rates or terms and conditions of service, if in accordance with the terms of this contract, will become effective upon the issuance of a contract modification (unless otherwise specified in the contract). The effective date of the change shall be the effective date by the regulatory body. Any factors not governed by the regulatory body will have an effective date as agreed to by the parties.

(End of Clause)

FAR 52.243-7: Notification of Changes (Jan 2017)

(a) Definitions. "Contracting Officer," as used in this clause, does not include any representative of the Contracting Officer.

"Specifically Authorized Representative (SAR)," as used in this clause, means any person the Contracting Officer has so designated by written notice (a copy of which shall be provided to the Contractor) which shall refer to this subparagraph and shall be issued to the designated representative before the SAR exercises such authority.

OCWUT 000032

(b) Notice. The primary purpose of this clause is to obtain prompt reporting of Government conduct that the Contractor considers to constitute a change to this contract. Except for changes identified as such in writing and signed by the Contracting Officer, the Contractor shall notify the Administrative Contracting Officer in writing promptly, within 15 calendar days from the date that the Contractor identifies any Government conduct (including actions, inactions, and written or oral communications) that the Contractor regards as a change to the contract terms and conditions. On the basis of the most accurate information available to the Contractor, the notice shall state --

- (1) The date, nature, and circumstances of the conduct regarded as a change;
- (2) The name, function, and activity of each Government individual and Contractor official or employee involved in or knowledgeable about such conduct;
- (3) The identification of any documents and the substance of any oral communication involved in such conduct;
- (4) In the instance of alleged acceleration of scheduled performance or delivery, the basis upon which it arose;
- (5) The particular elements of contract performance for which the Contractor may seek an equitable adjustment under this clause, including --
 - (i) What line items have been or may be affected by the alleged change;
 - (ii) What labor or materials or both have been or may be added, deleted, or wasted by the alleged change;
 - (iii) To the extent practicable, what delay and disruption in the manner and sequence of performance and effect on continued performance have been or may be caused by the alleged change;
 - (iv) What adjustments to contract price, delivery schedule, and other provisions affected by the alleged change are estimated; and
- (6) The Contractor's estimate of the time by which the Government must respond to the Contractor's notice to minimize cost, delay or disruption of performance.

(c) Continued performance. Following submission of the notice required by paragraph (b) of this clause, the Contractor shall diligently continue performance of this contract to the maximum extent possible in accordance with its terms and conditions as construed by the Contractor, unless the notice reports a direction of the Contracting Officer or a communication from a SAR of the Contracting Officer, in either of which events the Contractor shall continue performance; provided, however, that if the Contractor regards the direction or communication as a change as described in paragraph (b) of this clause, notice shall be given in the manner provided. All directions, communications, interpretations, orders and similar actions of the SAR shall be reduced to writing promptly and copies furnished to the Contractor and to the Contracting Officer. The Contracting Officer shall promptly countermand any action which exceeds the authority of the SAR.

(d) Government response. The Contracting Officer shall promptly, within 60 calendar days after receipt of notice, respond to the notice in writing. In responding, the Contracting Officer shall either --

- (1) Confirm that the conduct of which the Contractor gave notice constitutes a change and when necessary direct the mode of further performance;

O
C
W
U
T
0
0
0
3
2

- (2) Countermand any communication regarded as a change;
- (3) Deny that the conduct of which the Contractor gave notice constitutes a change and when necessary direct the mode of further performance; or
- (4) In the event the Contractor's notice information is inadequate to make a decision under subparagraphs (d)(1), (2), or (3) of this clause, advise the Contractor what additional information is required, and establish the date by which it should be furnished and the date thereafter by which the Government will respond.
- (e) Equitable adjustments.
- (1) If the Contracting Officer confirms that Government conduct effected a change as alleged by the Contractor, and the conduct causes an increase or decrease in the Contractor's cost of, or the time required for, performance of any part of the work under this contract, whether changed or not changed by such conduct, an equitable adjustment shall be made --
- (i) In the contract price or delivery schedule or both; and
- (ii) In such other provisions of the contract as may be affected.
- (2) The contract shall be modified in writing accordingly. In the case of drawings, designs or specifications which are defective and for which the Government is responsible, the equitable adjustment shall include the cost and time extension for delay reasonably incurred by the Contractor in attempting to comply with the defective drawings, designs or specifications before the Contractor identified, or reasonably should have identified, such defect. When the cost of property made obsolete or excess as a result of a change confirmed by the Contracting Officer under this clause is included in the equitable adjustment, the Contracting Officer shall have the right to prescribe the manner of disposition of the property. The equitable adjustment shall not include increased costs or time extensions for delay resulting from the Contractor's failure to provide notice or to continue performance as provided, respectively, in paragraphs (b) and (c) of this clause.

NOTE: The phrases "contract price" and "cost" wherever they appear in the clause, may be appropriately modified to apply to cost-reimbursement or incentive contracts, or to combinations thereof.

(End of Clause)

DFARS 252.204-7012: Safeguarding Covered Defense Information and Cyber Incident Reporting (Dec 2019)

(a) *Definitions.* As used in this clause—

Adequate security means protective measures that are commensurate with the consequences and probability of loss, misuse, or unauthorized access to, or modification of information.

Compromise means disclosure of information to unauthorized persons, or a violation of the security policy of a system, in which unauthorized intentional or unintentional disclosure, modification, destruction, or loss of an object, or the copying of information to unauthorized media may have occurred.

O
C
W
U
T
0
0
0
3
2

Contractor attributional/proprietary information means information that identifies the contractor(s), whether directly or indirectly, by the grouping of information that can be traced back to the contractor(s) (e.g., program description, facility locations), personally identifiable information, as well as trade secrets, commercial or financial information, or other commercially sensitive information that is not customarily shared outside of the company.

Controlled technical information means technical information with military or space application that is subject to controls on the access, use, reproduction, modification, performance, display, release, disclosure, or dissemination. Controlled technical information would meet the criteria, if disseminated, for distribution statements B through F using the criteria set forth in DoD Instruction 5230.24, Distribution Statements on Technical Documents. The term does not include information that is lawfully publicly available without restrictions.

Covered contractor information system means an unclassified information system that is owned, or operated by or for, a contractor and that processes, stores, or transmits covered defense information.

Covered defense information means unclassified controlled technical information or other information, as described in the Controlled Unclassified Information (CUI) Registry at <http://www.archives.gov/cui/registry/category-list.html>, that requires safeguarding or dissemination controls pursuant to and consistent with law, regulations, and Governmentwide policies, and is—

- (1) Marked or otherwise identified in the contract, task order, or delivery order and provided to the contractor by or on behalf of DoD in support of the performance of the contract; or
- (2) Collected, developed, received, transmitted, used, or stored by or on behalf of the contractor in support of the performance of the contract.

Cyber incident means actions taken through the use of computer networks that result in a compromise or an actual or potentially adverse effect on an information system and/or the information residing therein.

Forensic analysis means the practice of gathering, retaining, and analyzing computer-related data for investigative purposes in a manner that maintains the integrity of the data.

Information system means a discrete set of information resources organized for the collection, processing, maintenance, use, sharing, dissemination, or disposition of information.

Malicious software means computer software or firmware intended to perform an unauthorized process that will have adverse impact on the confidentiality, integrity, or availability of an information system. This definition includes a virus, worm, Trojan horse, or other code-based entity that infects a host, as well as spyware and some forms of adware.

Media means physical devices or writing surfaces including, but is not limited to, magnetic tapes, optical disks, magnetic disks, large-scale integration memory chips, and printouts onto which covered defense information is recorded, stored, or printed within a covered contractor information system.

O
C
W
U
T
0
0
0
3
2

Operationally critical support means supplies or services designated by the Government as critical for airlift, sealift, intermodal transportation services, or logistical support that is essential to the mobilization, deployment, or sustainment of the Armed Forces in a contingency operation.

Rapidly report means within 72 hours of discovery of any cyber incident.

Technical information means technical data or computer software, as those terms are defined in the clause at DFARS 252.227-7013, Rights in Technical Data—Noncommercial Items, regardless of whether or not the clause is incorporated in this solicitation or contract. Examples of technical information include research and engineering data, engineering drawings, and associated lists, specifications, standards, process sheets, manuals, technical reports, technical orders, catalog-item identifications, data sets, studies and analyses and related information, and computer software executable code and source code.

(b) *Adequate security*. The Contractor shall provide adequate security on all covered contractor information systems. To provide adequate security, the Contractor shall implement, at a minimum, the following information security protections:

- (1) For covered contractor information systems that are part of an information technology (IT) service or system operated on behalf of the Government, the following security requirements apply:
 - (i) Cloud computing services shall be subject to the security requirements specified in the clause 252.239-7010, Cloud Computing Services, of this contract.
 - (ii) Any other such IT service or system (*i.e.*, other than cloud computing) shall be subject to the security requirements specified elsewhere in this contract.
- (2) For covered contractor information systems that are not part of an IT service or system operated on behalf of the Government and therefore are not subject to the security requirement specified at paragraph (b)(1) of this clause, the following security requirements apply:
 - (i) Except as provided in paragraph (b)(2)(ii) of this clause, the covered contractor information system shall be subject to the security requirements in National Institute of Standards and Technology (NIST) Special Publication (SP) 800-171, "Protecting Controlled Unclassified Information in Nonfederal Information Systems and Organizations" (available via the internet at <http://dx.doi.org/10.6028/NIST.SP.800-171>) in effect at the time the solicitation is issued or as authorized by the Contracting Officer.
 - (ii)(A) The Contractor shall implement NIST SP 800-171, as soon as practical, but not later than December 31, 2017. For all contracts awarded prior to October 1, 2017, the Contractor shall notify the DoD Chief Information Officer (CIO), via email at osd.dibcsia@mail.mil, within 30 days of contract award, of any security requirements specified by NIST SP 800-171 not implemented at the time of contract award.
 - (B) The Contractor shall submit requests to vary from NIST SP 800-171 in writing to the Contracting Officer, for consideration by the DoD CIO. The Contractor need not implement any security requirement adjudicated by an authorized representative

of the DoD CIO to be nonapplicable or to have an alternative, but equally effective, security measure that may be implemented in its place.

(C) If the DoD CIO has previously adjudicated the contractor's requests indicating that a requirement is not applicable or that an alternative security measure is equally effective, a copy of that approval shall be provided to the Contracting Officer when requesting its recognition under this contract.

(D) If the Contractor intends to use an external cloud service provider to store, process, or transmit any covered defense information in performance of this contract, the Contractor shall require and ensure that the cloud service provider meets security requirements equivalent to those established by the Government for the Federal Risk and Authorization Management Program (FedRAMP) Moderate baseline (<https://www.fedramp.gov/resources/documents/>) and that the cloud service provider complies with requirements in paragraphs (c) through (g) of this clause for cyber incident reporting, malicious software, media preservation and protection, access to additional information and equipment necessary for forensic analysis, and cyber incident damage assessment.

(3) Apply other information systems security measures when the Contractor reasonably determines that information systems security measures, in addition to those identified in paragraphs (b)(1) and (2) of this clause, may be required to provide adequate security in a dynamic environment or to accommodate special circumstances (e.g., medical devices) and any individual, isolated, or temporary deficiencies based on an assessed risk or vulnerability. These measures may be addressed in a system security plan.

(c) Cyber incident reporting requirement.

(1) When the Contractor discovers a cyber incident that affects a covered contractor information system or the covered defense information residing therein, or that affects the contractor's ability to perform the requirements of the contract that are designated as operationally critical support and identified in the contract, the Contractor shall—

(i) Conduct a review for evidence of compromise of covered defense information, including, but not limited to, identifying compromised computers, servers, specific data, and user accounts. This review shall also include analyzing covered contractor information system(s) that were part of the cyber incident, as well as other information systems on the Contractor's network(s), that may have been accessed as a result of the incident in order to identify compromised covered defense information, or that affect the Contractor's ability to provide operationally critical support; and

(ii) Rapidly report cyber incidents to DoD at <https://dibnet.dod.mil>.

(2) *Cyber incident report.* The cyber incident report shall be treated as information created by or for DoD and shall include, at a minimum, the required elements at <https://dibnet.dod.mil>.

(3) *Medium assurance certificate requirement.* In order to report cyber incidents in accordance with this clause, the Contractor or subcontractor shall have or acquire a DoD-

O
C
W
U
T
0
0
0
3
2

approved medium assurance certificate to report cyber incidents. For information on obtaining a DoD-approved medium assurance certificate, see <https://public.cyber.mil/eca/>.

(d) *Malicious software.* When the Contractor or subcontractors discover and isolate malicious software in connection with a reported cyber incident, submit the malicious software to DoD Cyber Crime Center (DC3) in accordance with instructions provided by DC3 or the Contracting Officer. Do not send the malicious software to the Contracting Officer.

(e) *Media preservation and protection.* When a Contractor discovers a cyber incident has occurred, the Contractor shall preserve and protect images of all known affected information systems identified in paragraph (c)(1)(i) of this clause and all relevant monitoring/packet capture data for at least 90 days from the submission of the cyber incident report to allow DoD to request the media or decline interest.

(f) *Access to additional information or equipment necessary for forensic analysis.* Upon request by DoD, the Contractor shall provide DoD with access to additional information or equipment that is necessary to conduct a forensic analysis.

(g) *Cyber incident damage assessment activities.* If DoD elects to conduct a damage assessment, the Contracting Officer will request that the Contractor provide all of the damage assessment information gathered in accordance with paragraph (e) of this clause.

(h) *DoD safeguarding and use of contractor attributional/proprietary information.* The Government shall protect against the unauthorized use or release of information obtained from the contractor (or derived from information obtained from the contractor) under this clause that includes contractor attributional/proprietary information, including such information submitted in accordance with paragraph (c). To the maximum extent practicable, the Contractor shall identify and mark attributional/proprietary information. In making an authorized release of such information, the Government will implement appropriate procedures to minimize the contractor attributional/proprietary information that is included in such authorized release, seeking to include only that information that is necessary for the authorized purpose(s) for which the information is being released.

(i) *Use and release of contractor attributional/proprietary information not created by or for DoD.* Information that is obtained from the contractor (or derived from information obtained from the contractor) under this clause that is not created by or for DoD is authorized to be released outside of DoD—

- (1) To entities with missions that may be affected by such information;
- (2) To entities that may be called upon to assist in the diagnosis, detection, or mitigation of cyber incidents;
- (3) To Government entities that conduct counterintelligence or law enforcement investigations;
- (4) For national security purposes, including cyber situational awareness and defense purposes (including with Defense Industrial Base (DIB) participants in the program at 32 CFR part 236); or

O
C
W
U
T
0
0
0
3
2

(5) To a support services contractor (“recipient”) that is directly supporting Government activities under a contract that includes the clause at 252.204-7009, Limitations on the Use or Disclosure of Third-Party Contractor Reported Cyber Incident Information.

(j) *Use and release of contractor attributional/proprietary information created by or for DoD.* Information that is obtained from the contractor (or derived from information obtained from the contractor) under this clause that is created by or for DoD (including the information submitted pursuant to paragraph (c) of this clause) is authorized to be used and released outside of DoD for purposes and activities authorized by paragraph (i) of this clause, and for any other lawful Government purpose or activity, subject to all applicable statutory, regulatory, and policy based restrictions on the Government's use and release of such information.

(k) The Contractor shall conduct activities under this clause in accordance with applicable laws and regulations on the interception, monitoring, access, use, and disclosure of electronic communications and data.

(l) *Other safeguarding or reporting requirements.* The safeguarding and cyber incident reporting required by this clause in no way abrogates the Contractor's responsibility for other safeguarding or cyber incident reporting pertaining to its unclassified information systems as required by other applicable clauses of this contract, or as a result of other applicable U.S. Government statutory or regulatory requirements.

(m) *Subcontracts.* The Contractor shall—

(1) Include this clause, including this paragraph (m), in subcontracts, or similar contractual instruments, for operationally critical support, or for which subcontract performance will involve covered defense information, including subcontracts for commercial items, without alteration, except to identify the parties. The Contractor shall determine if the information required for subcontractor performance retains its identity as covered defense information and will require protection under this clause, and, if necessary, consult with the Contracting Officer; and

(2) Require subcontractors to—

(i) Notify the prime Contractor (or next higher-tier subcontractor) when submitting a request to vary from a NIST SP 800-171 security requirement to the Contracting Officer, in accordance with paragraph (b)(2)(ii)(B) of this clause; and

(ii) Provide the incident report number, automatically assigned by DoD, to the prime Contractor (or next higher-tier subcontractor) as soon as practicable, when reporting a cyber incident to DoD as required in paragraph (c) of this clause.

(End of clause)

DFARS 252.232-7007: Limitation of Government's Obligation (APR 2014)

(a) Contract line item(s) 0001 through 0050 are incrementally funded. For these item(s), the sum of \$ 0.00 of the total price is presently available for payment and allotted to this contract. An allotment schedule is set forth in paragraph (j) of this clause.

(b) For item(s) identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those item(s) for the Government's convenience, approximates the total amount currently allotted to the contract. The Contractor is not authorized to continue work on those item(s) beyond that point. The Government will not be obligated in any event to reimburse the Contractor in excess of the amount allotted to the contract for those item(s) regardless of anything to the contrary in the clause entitled "Termination for Convenience of the Government." As used in this clause, the total amount payable by the Government in the event of termination of applicable contract line item(s) for convenience includes costs, profit, and estimated termination settlement costs for those item(s).

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (j) of this clause, the Contractor will notify the Contracting Officer in writing at least ninety days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount then allotted to the contract for performance of the applicable item(s). The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of applicable line items up to the next scheduled date for allotment of funds identified in paragraph (j) of this clause, or to a mutually agreed upon substitute date. The notification will also advise the Contracting Officer of the estimated amount of additional funds that will be required for the timely performance of the item(s) funded pursuant to this clause, for a subsequent period as may be specified in the allotment schedule in paragraph (j) of this clause or otherwise agreed to by the parties. If after such notification additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause of this contract entitled "Termination for Convenience of the Government."

(d) When additional funds are allotted for continued performance of the contract line item(s) identified in paragraph (a) of this clause, the parties will agree as to the period of contract performance which will be covered by the funds. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and agreed substitute date, and the contract will be modified accordingly.

(e) If, solely by reason of failure of the Government to allot additional funds, by the dates indicated below, in amounts sufficient for timely performance of the contract line item(s) identified in paragraph (a) of this clause, the Contractor incurs additional costs or is delayed in the performance of the work under this contract and if additional funds are allotted, an equitable adjustment will be made in the price or prices (including appropriate target, billing, and ceiling prices where applicable) of the item(s), or in the time of delivery, or both. Failure to agree to any such equitable adjustment hereunder will be a dispute concerning a question of fact within the meaning of the clause entitled "Disputes."

(f) The Government may at any time prior to termination allot additional funds for the performance of the contract line item(s) identified in paragraph (a) of this clause.

(g) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default." The provisions of this clause are limited to the work and allotment of funds for the contract line item(s) set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded except with regard to the rights or obligations of the parties concerning equitable adjustments negotiated under paragraphs (d) and (e) of this clause.

O
C
W
U
T
0
0
0
3
2

(h) Nothing in this clause affects the right of the Government to terminate this contract pursuant to the clause of this contract entitled “Termination for Convenience of the Government.”

(i) Nothing in this clause shall be construed as authorization of voluntary services whose acceptance is otherwise prohibited under 31 U.S.C. 1342.

The parties contemplate that the Government will allot funds to this contract in accordance with B.3 Schedule.

(End of clause)

I-0001 I.128.01 FEDERAL, STATE, AND LOCAL TAXES (DLA Energy NOV 2011) (DEVIATION)

(a) As used in this contract provision—

- (1) **After-imposed tax** means any new or increased Federal, State, or local tax that the Contractor is required to pay or bear the burden of as the result of legislative, judicial, or administrative action taking effect after the contract date.
- (2) **After-relieved tax** means any amount of Federal, State, or local tax that would otherwise have been payable on the transactions or property covered by this contract, but which the Contractor is not required to pay or bear the burden of, or for which the Contractor obtains a refund or drawback, as the result of legislative, judicial, or administrative action taking effect after the contract date.
- (3) **All applicable Federal and State taxes** means all excise taxes that the taxing authority is imposing and collecting on the transactions or property covered by this contract pursuant to written ruling or regulation in effect on the contract date.
- (4) **Contract date** means the date set for bid opening or, if this is a negotiated contract or a modification, the date set for final revised prices.
- (5) **Local taxes** means taxes levied by the political subdivisions of the States, District of Columbia, or outlying areas of the United States, e.g., cities and counties.
- (6) **Outlying areas** means—
 - (i) **Commonwealths.** Puerto Rico and the Northern Mariana Islands;
 - (ii) **Territories.** American Samoa, Guam, and the U.S. Virgin Islands; and
 - (iii) Minor outlying islands. Baker Island; Howland Island, Jarvis Island; Johnston Atoll; Kingman Reef; Midway Islands; Navassa Island; Palmyra Atoll; and Wake Atoll.
- (7) **State taxes** means taxes levied by the States, the District of Columbia, or outlying areas of the United States.
- (8) **Tax** means taxes, duties and environmental or inspection fees, except social security or other employment taxes.

O
C
W
U
T
0
0
0
3
2

- (b) The contract price includes all applicable Federal, State, and local taxes, except as otherwise provided.
- (c) The contract price shall be increased by the amount of any after-imposed tax if the Contractor states in writing that the contract price does not include any contingency for such tax.
- (d) The contract price shall be decreased by the amount of any after-relieved tax.
- (e) The contract price shall also be decreased by the amount of any tax that the Contractor is required to pay or bear the burden of, or does not obtain a refund of, through the Contractor's fault, negligence, or failure to follow instructions of the Contracting Officer.
- (f) The Contractor shall promptly notify the Contracting Officer of all matters relating to any tax that reasonably may be expected to result in either an increase or decrease in the contract price and shall take appropriate action as the Contracting Officer directs.
- (g) The Government shall, without liability, furnish evidence appropriate to establish exemption from any Federal, State, or local tax when the Contractor requests such evidence and a reasonable basis exists to sustain the exemption.

(End of clause)

(End of Section)

O
C
W
U
T
0
0
0
3
2

OCWUT 36-24 Fire Hydrants, Valves, Repair Kits, & Services**BID FORM A - Technical Questionnaire**
(use a separate for each hydrant brand)

Bidders are to indicate compliance in the appropriate box, if applicable. Bidders should use the comments area for any and all exceptions.

| A. Traffic Model Fire Hydrants, Selective Requirements | Compliance |
|---|--|
| 1. Brand and Model of Hydrant | |
| 2. Working Pressure: 150 PSI | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. Size of Valve Opening: 5 ¼" | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Direction of Opening: Left (Counter-Clockwise) | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. Size & Shape of Operating Nuts: 1 ½" Pentagonal | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Size & Shape of Nozzle Cap Nuts: 1 ½" Pentagonal | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Hose Nozzle Threads: OKC Standard | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 8. Pumper Nozzle Threads: OKC Standard | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 9. Size & Type of Inlet Connection: 6" Mechanical Joint w/All Accessories | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 10. 2 ½" Hose Nozzle: Two (2) Each | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 11. 5" Pumper Nozzle: One (1) Each | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 12. Nozzle Cap Chains are Required | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 13. Paint: Minimum Two (2) coats of international orange paint, Pittsburgh first line or approved equivalent. | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| B. Traffic Model Fire Hydrants, Design Requirements | Compliance |
| 1. Weather Bonnet | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. Nozzle Attachment to Barrel: Mechanically Attached (No Lead-in) | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. Upper Valve Plate Material: Bronze | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Seat Ring Material: Bronze | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. Seat Ring Thread Engagement: Bronze to Bronze | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Barrel Drain way: Bronze | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Shoe Protection: Epoxy Coating | <input type="checkbox"/> Yes <input type="checkbox"/> No |

O
C
W
U
T
0
0
0
3
2

| C. Comments (Indicate item number/name of part and describe exception) | |
|--|--|
| | |
| | |

OCWUT
00032

Question and Answers for Bid #OCWUT 36-24 - Fire Hydrants, Valves, Repair Kits, & Services

Overall Bid Questions

There are no questions associated with this bid.

O
C
W
U
T
0
0
0
3
2