

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



John 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 S. Keith
Assistant Municipal Counselor

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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

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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.

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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

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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 *)
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[*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

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

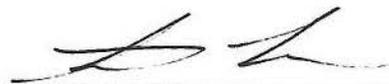
**CERTIFICATE OF AUTHORITY
Branch Managers and District Managers**

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

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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

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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

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**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

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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

OCWUT 00032

FROM LIST PRICE

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
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Item #	Line Item	Notes	Unit Price	Qty/Unit	Lot Total	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
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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
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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
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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
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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
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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
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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
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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

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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

OCWUT 00032

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
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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
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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
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Lot Total **\$0.00**

Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
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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
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OCWUT 36-24--04-02	Group 4: Mechanical Joint	Supplier Product Code: GA INDUSTRIES	First Offer - -10.00%	1 / each	-10.00%	Y
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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

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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

OCWUT 00032

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

OCWUT 00032

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

OCWUT 00032

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	

OCWUT 00032

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

OCWUT 00032

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

OCWUT 00032

	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

OCWUT 00032

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

OCWUT 00032

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
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OCWUT 00032

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
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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
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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
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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
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Item #	Line Item	Notes	Unit Price	Qty/Unit	Lot Total	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

OCWUT 00032

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

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

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AMERICAN

FLOW CONTROL

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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	PAGE NO.	
	PRICES	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	PAGE NO.	
	PRICES	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	-

O
C
W
U
T
0
0
3
2

[Back to Index](#)



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. Surcharges 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.

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[Back to Index](#)



AMERICAN
FLOW CONTROL
THE RIGHT WAY

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.

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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.

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

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.

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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.

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3
2

[Back to Index](#)



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
Captivater Hose Cap (Each)	\$492
Captivater 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	

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3
2

[Back to Index](#)



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
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

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[Back to Index](#)



AWWA Fire Hydrants - 4^{1/2}"-4^{3/4}" 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") 4^{1/2}"-4^{3/4}" 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

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[Back to Index](#)



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

OCWUT 00032

[Back to Index](#)



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

O C W U T O O O 3 2

[Back to Index](#)



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
5¾" 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".

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[Back to Index](#)



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

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[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](#)



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	\$1,990
	Add or Deduct for each 6" variance in trench	\$53
73-20-3	2 Hose Nozzle (Amlok)	\$263
73-20-4	2 Hose Nozzle O-Ring (Amlok)	\$20
73-20-5	2 Hose Nozzle Spacer O-Ring (Amlok)	\$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	Captivater™ 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 (Amlok)	\$735
73-25-4	2 Pumper Nozzle O-Ring (Amlok)	\$21
73-25-5	2 Pumper Nozzle Spacer O-Ring (Amlok)	\$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	Captivater™ 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	\$420
	Add or Deduct for each 6" variance in trench	\$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)	\$15
	Barrel Bolt and Nut - 304 SS (8 required)	\$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)	\$184
	Hydrant Valve (MK73-2 & MK73-5)	\$210
73-41-KIT	Hydrant Valve Repair Kit (MK73-5) - Consists of	\$298
	1 Hydrant Valve, 2 Seat O-Rings,	
	& 1 Housing Cover Gasket.	
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 (Amlok)	\$175
150	Pumper Nozzle Wrench (Amlok)	\$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:

1. Part No. 73-19-SR includes two Snap Rings and Non-Breakable Flanges.
2. Part Nos. 73-20-3 and 73-25-3 includes Nozzle Set Screws & O-Rings.
3. Part Nos. 73-21, 73-26 & 73-26-ST include Cap Gasket.
4. Part No. 73-30-11 includes Rod Sleeve and Sleeve O-Ring.
5. Part No. 73-35-02 includes Seat O-Rings.
6. Part No. 73-30-12 includes Spring Plate Pin.
7. 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.
8. Part Nos. 73-20-60 and 73-25-60 include Nozzle O-Ring & Retainer Washer.

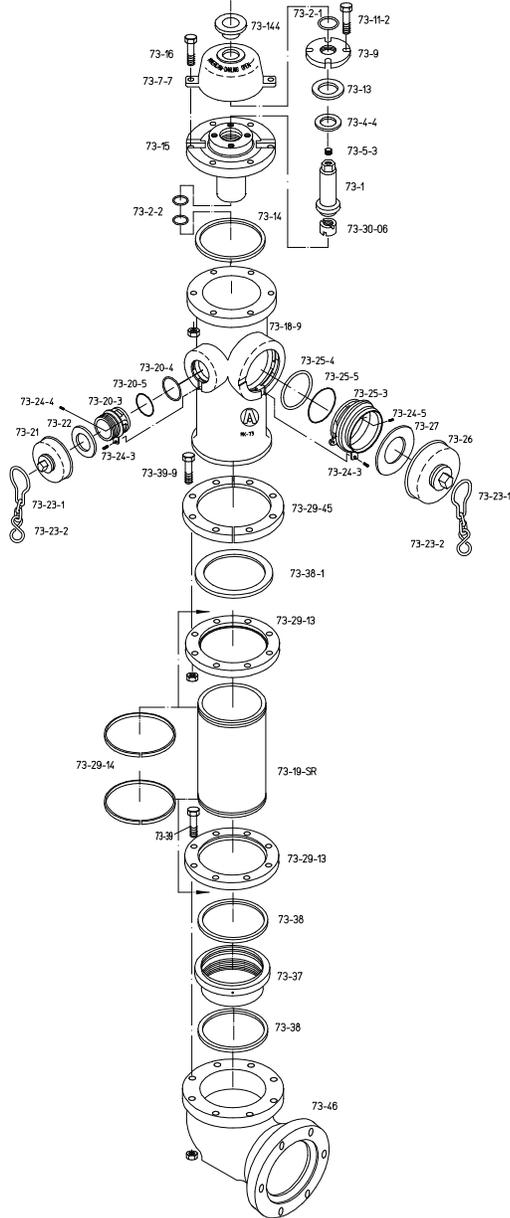
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[Back to Index](#)

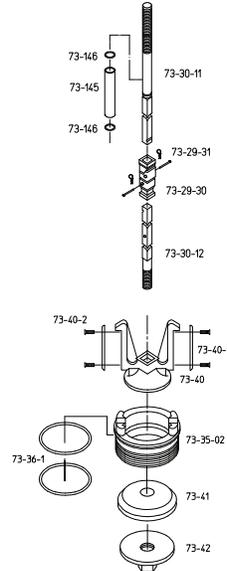


4-1/2" Mark 73 Traffic Hydrant Repair Parts

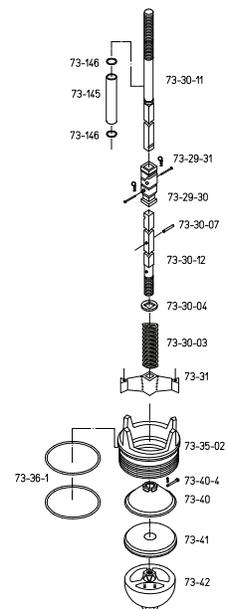
AMERICAN-DARLING
4 1/2" MK73-1 AND 4 1/2" MK73-2
WITH AMLOK NOZZLES
1986 THRU 2005



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



94-20820A

OCWUT 00032

[Back to Index](#)



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		Captivater™ 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		Captivater™ 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	PRICE	
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:

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

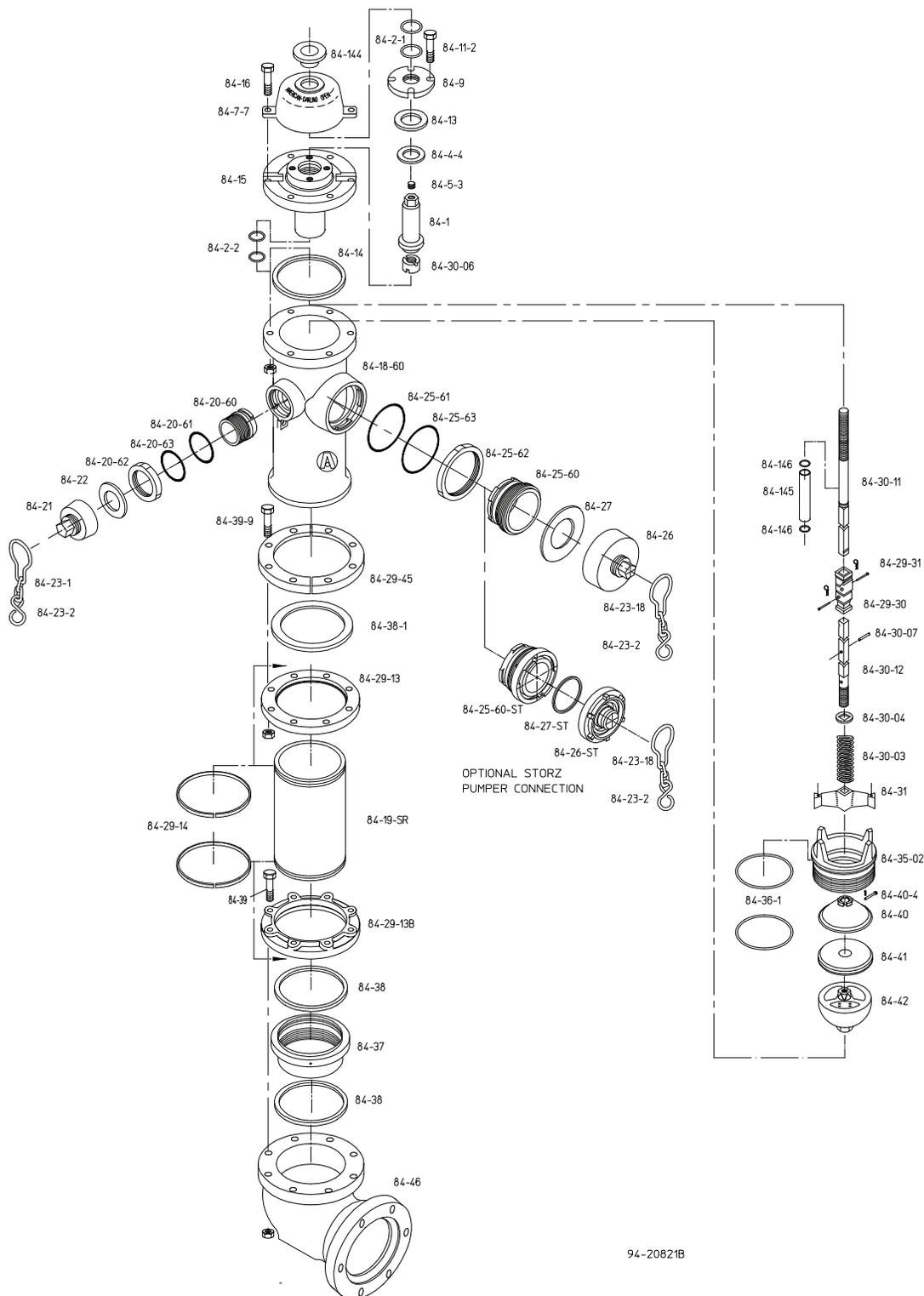
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[Back to Index](#)



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

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



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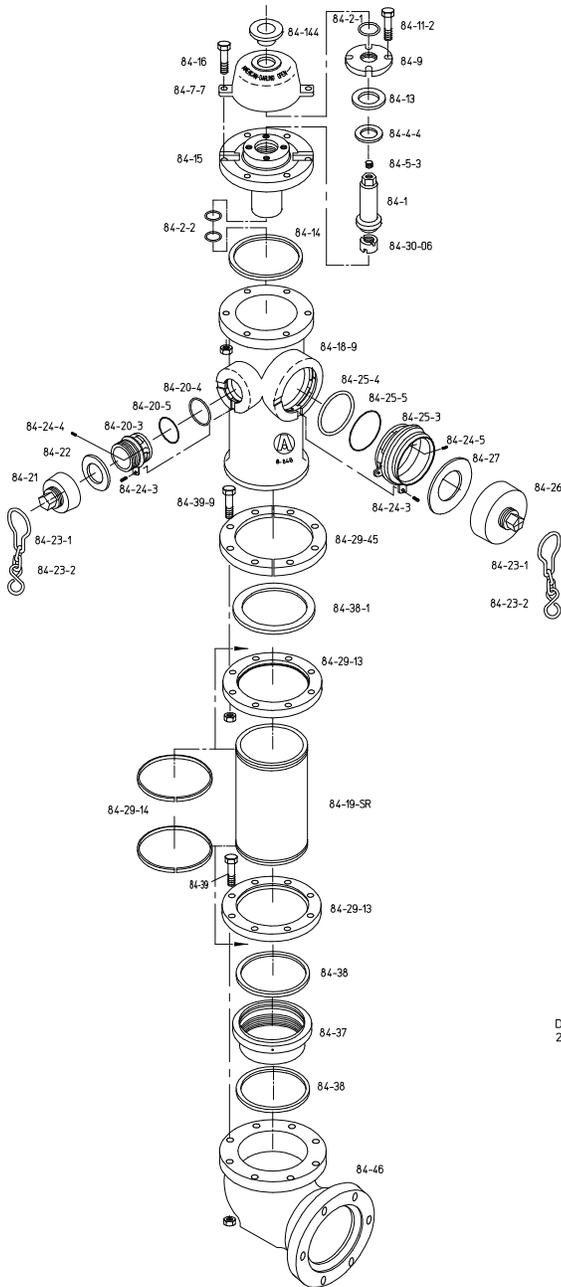
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[Back to Index](#)

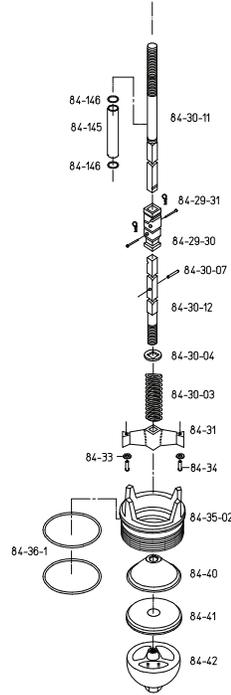


5-1/4" B-84-B Traffic Hydrant Parts Diagram

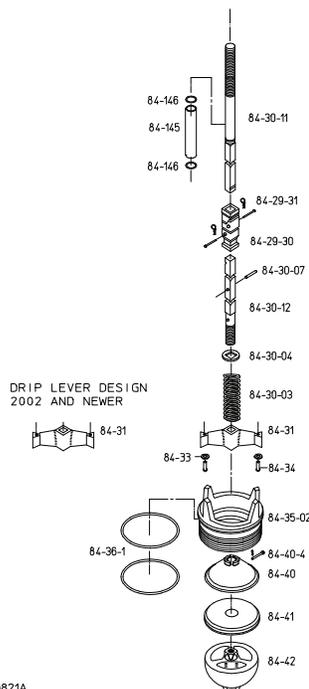
AMERICAN-DARLING
5 1/4" B84B
WITH AMLOK NOZZLES
1984 THRU 2005



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



OCWUT 00032

94-20821A

[Back to Index](#)



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 (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	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 (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	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 (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	\$235
	Retainer Wrench-Hose	\$420
	Retainer Wrench-Pumper	\$613
	Retainer Wrench-5" Storz (Hinged)	\$1,376
	Complete Upper Barrel Assembly-DDP	\$4,323

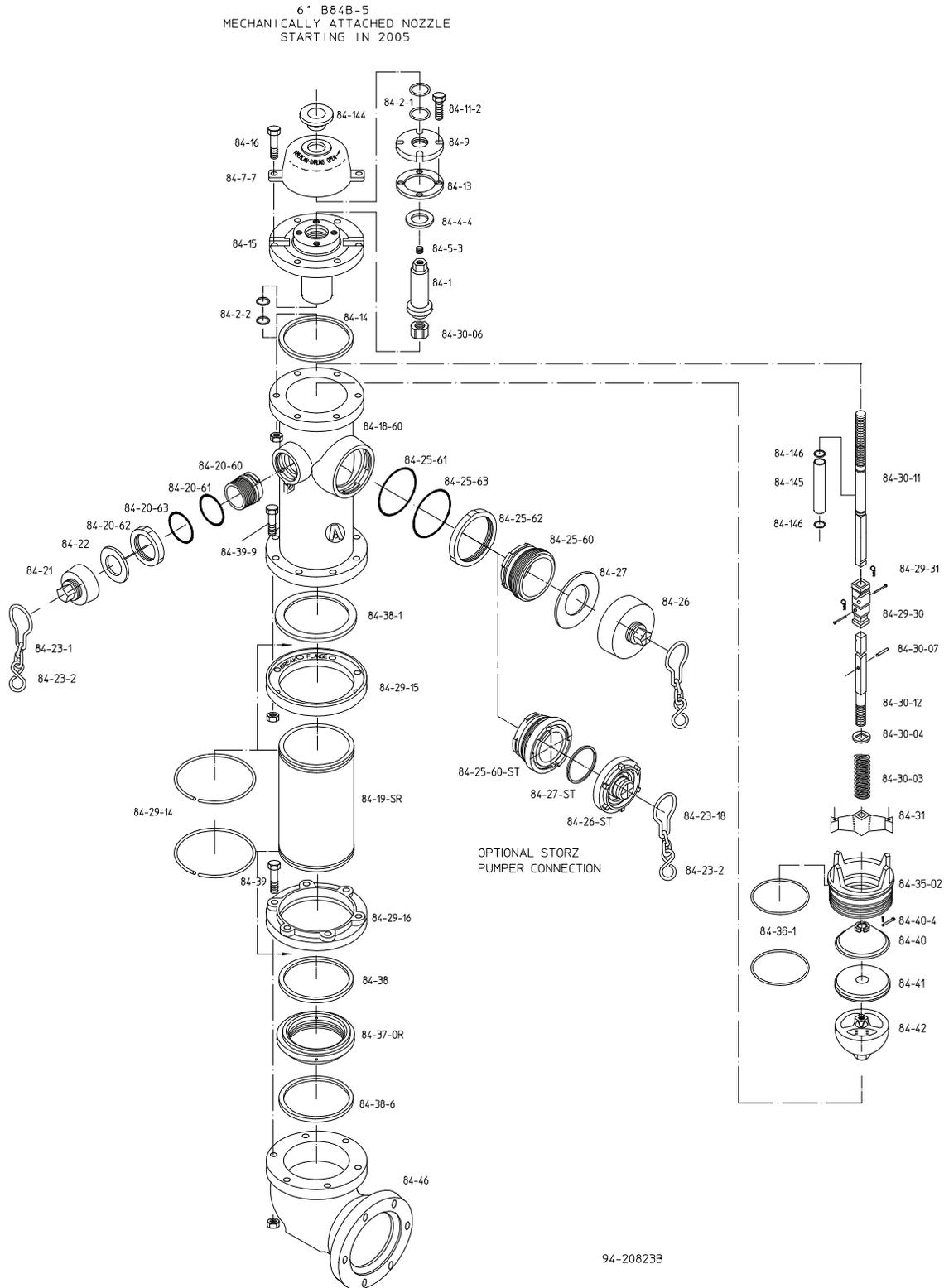
SEE 6" B-84-B HYDRANT PARTS DIAGRAM ON PAGE 22 & 23.

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.

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6" B-84-B Traffic Hydrant Parts Diagram



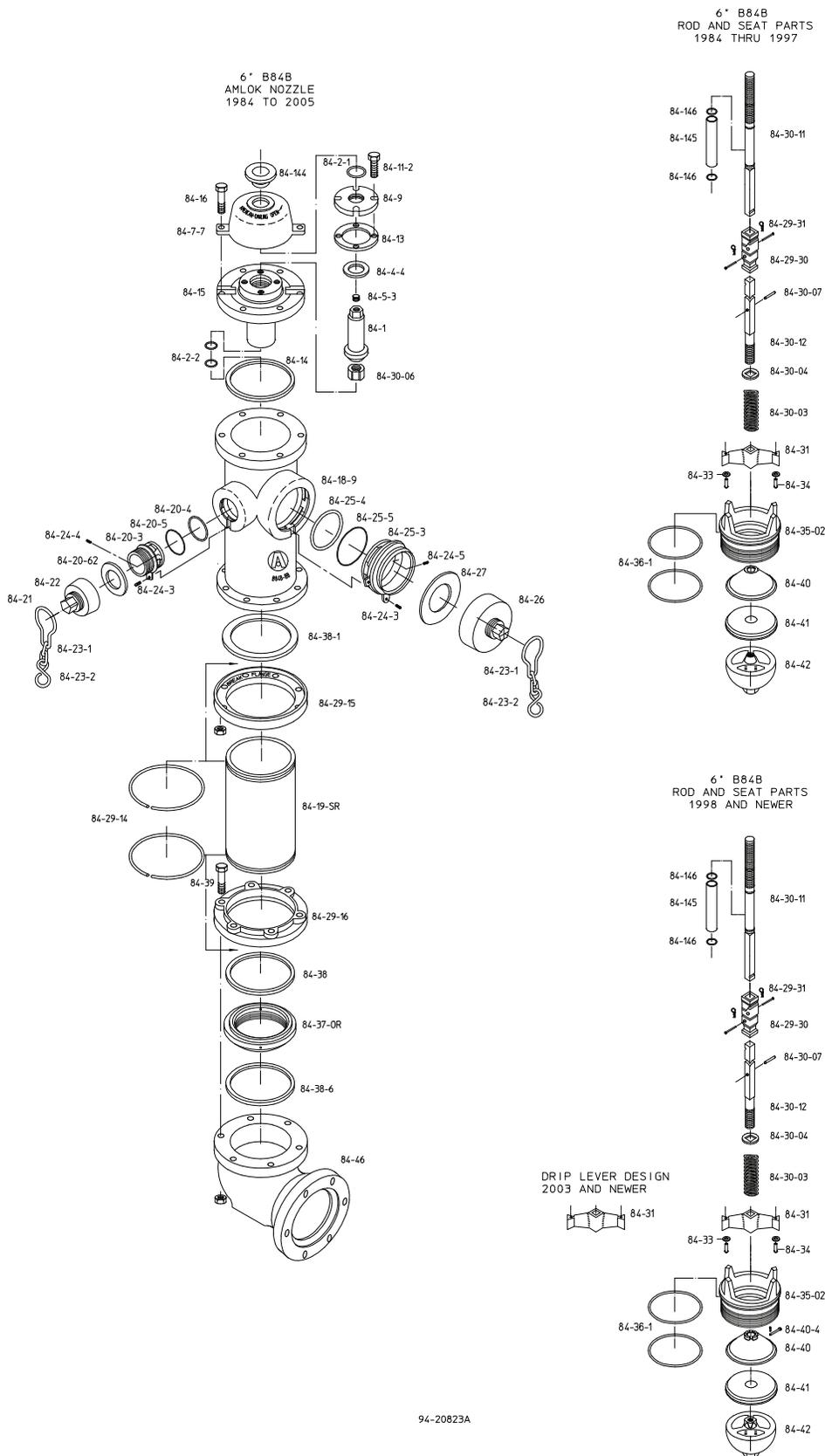
OCWUT 00032

[Back to Index](#)



AMERICAN
FLOW CONTROL
THE RIGHT WAY

6" B-84-B Traffic Hydrant Parts Diagram



O C W U T 0 0 3 2

[Back to Index](#)



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 (Amlok)	\$263
62-20-4	3	Hose Nozzle O-Ring (Amlok)	\$20
62-20-5	3	Hose Nozzle Spacer O-Ring (Amlok)	\$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		Captivater™ 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 (Amlok)	\$735
62-25-4	3	Pumper Nozzle O-Ring (Amlok)	\$21
62-25-5	3	Pumper Nozzle Spacer O-Ring (Amlok)	\$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		Captivater™ 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 (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	\$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:

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

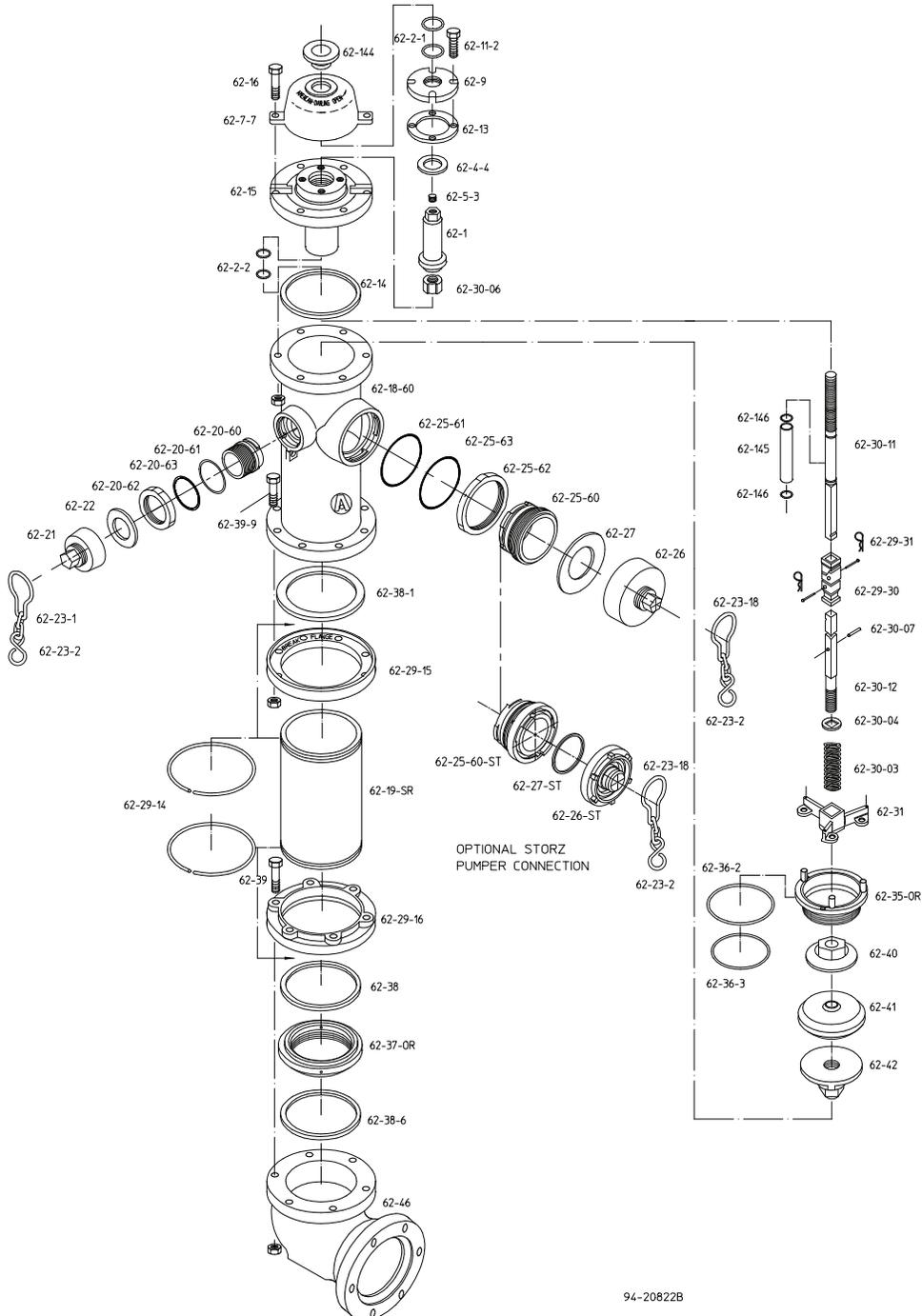
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[Back to Index](#)



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

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



OCWUT00032

[Back to Index](#)



B-50-B Regular & Quick-Fix Hydrant Repair Parts

SEE					
PART #	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 (Amlok)	\$263	\$263	\$263	\$263
50-20-4	5 Hose Nozzle O-Ring (Amlok)	\$20	\$20	\$20	\$20
50-20-5	5 Hose Nozzle Spacer O-Ring (Amlok)	\$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 (Amlok)	\$735	\$735	\$735	\$735
50-25-4	5 Pumper Nozzle O-Ring (Amlok)	\$21	\$21	\$21	\$21
50-25-5	5 Pumper Nozzle Spacer O-Ring (Amlok)	\$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

SEE					
PART #	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:

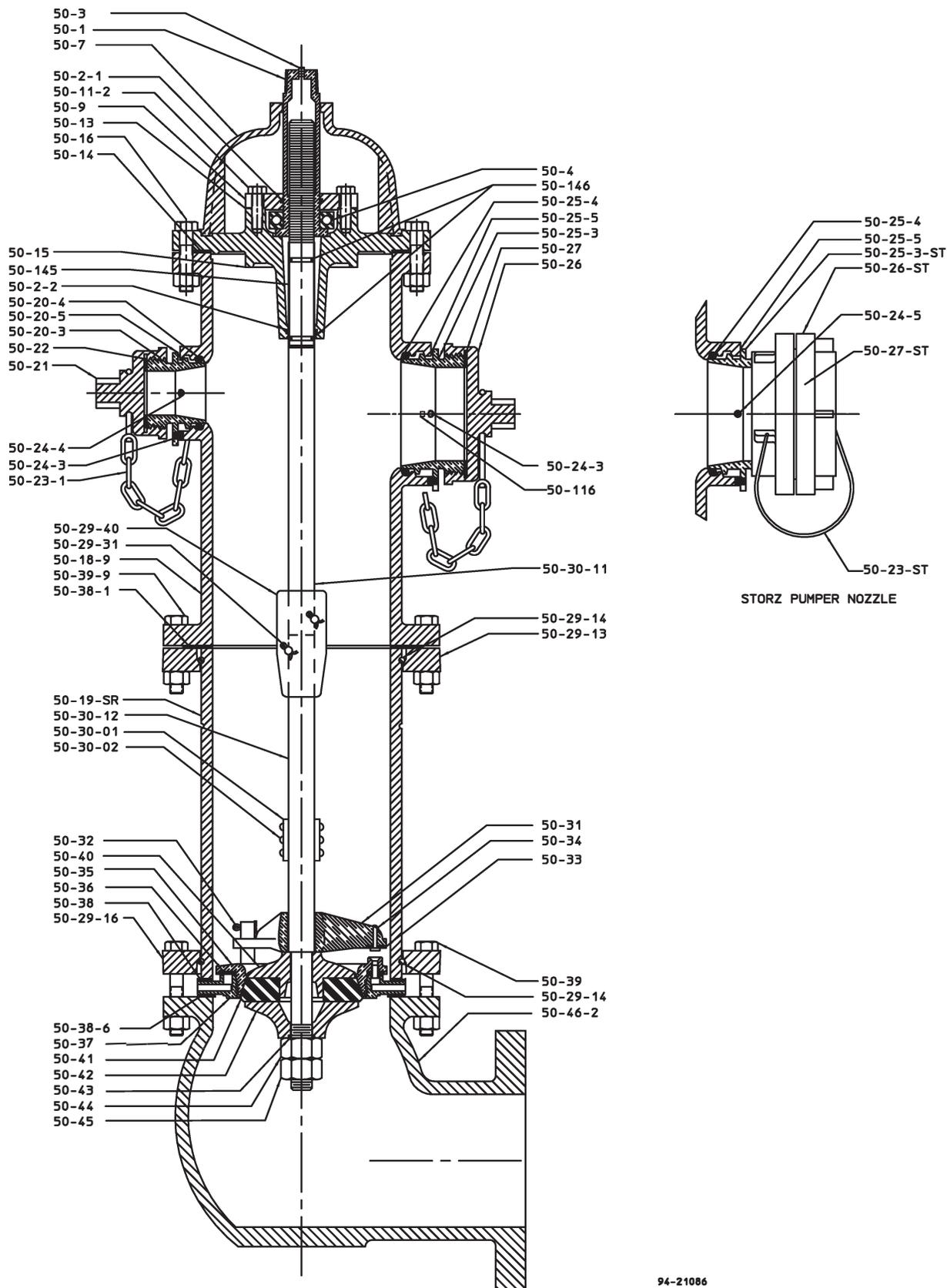
1. Part No. 50-30-11 includes Rod Sleeve.
2. Part No. 50-30-12 includes Stop Plates & Rivets.
3. Part Nos. 50-21 & 50-26 include Cap Gasket.
4. Part No. 50-31 includes Drain Lever with Integral Washers.
5. Part Nos. 50-20-3 and 50-25-3 include Nozzle Set Screws & O-Rings.
6. Part No. 50-15 requires paint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

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[Back to Index](#)



B-50-B Hydrant Parts Diagram

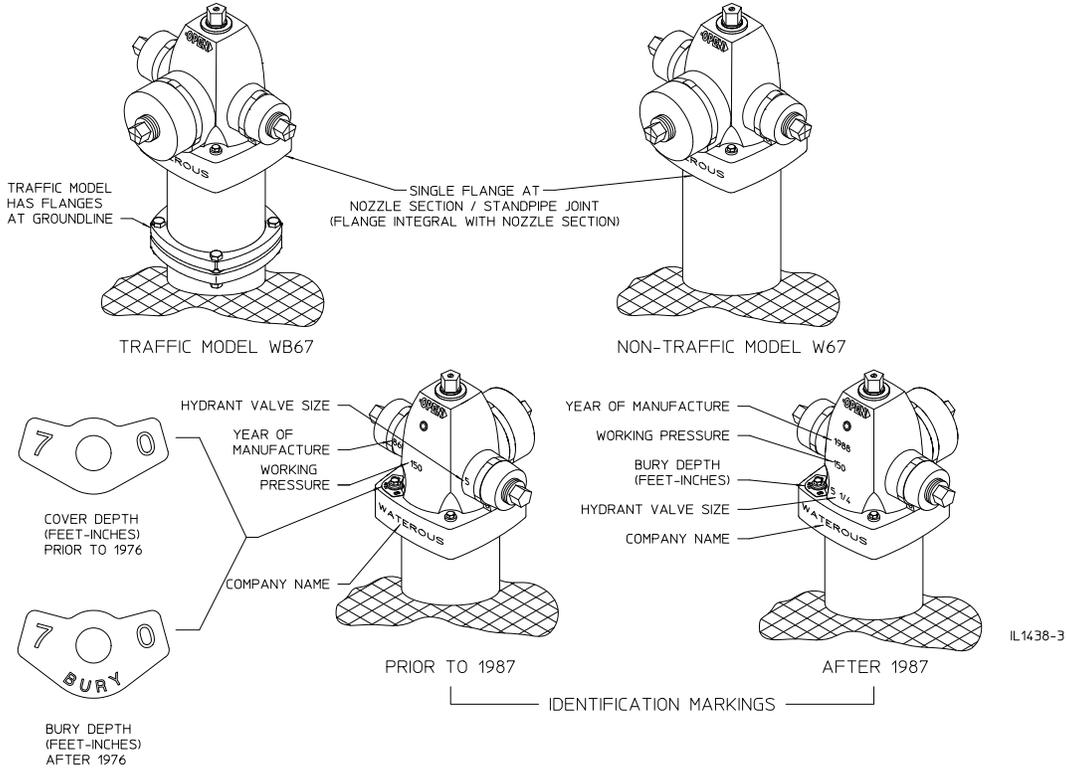


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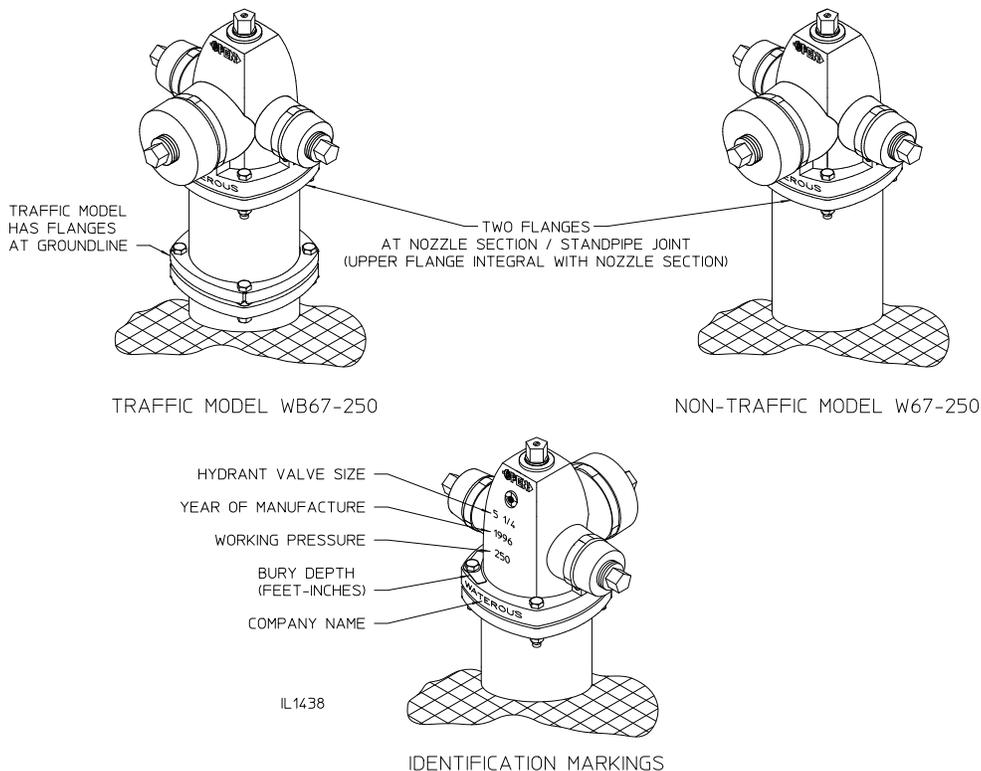
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Pacer Hydrant Variations

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 0032

[Back to Index](#)



Pacer Hydrant Parts W67/WB67/W67-250/WB67-250

SEE	PRICE		
PART #	NOTE	DESCRIPTION	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	PRICE		
PART #	NOTE	DESCRIPTION	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

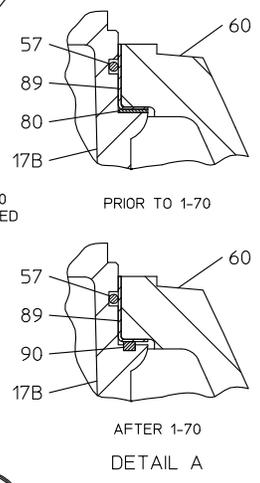
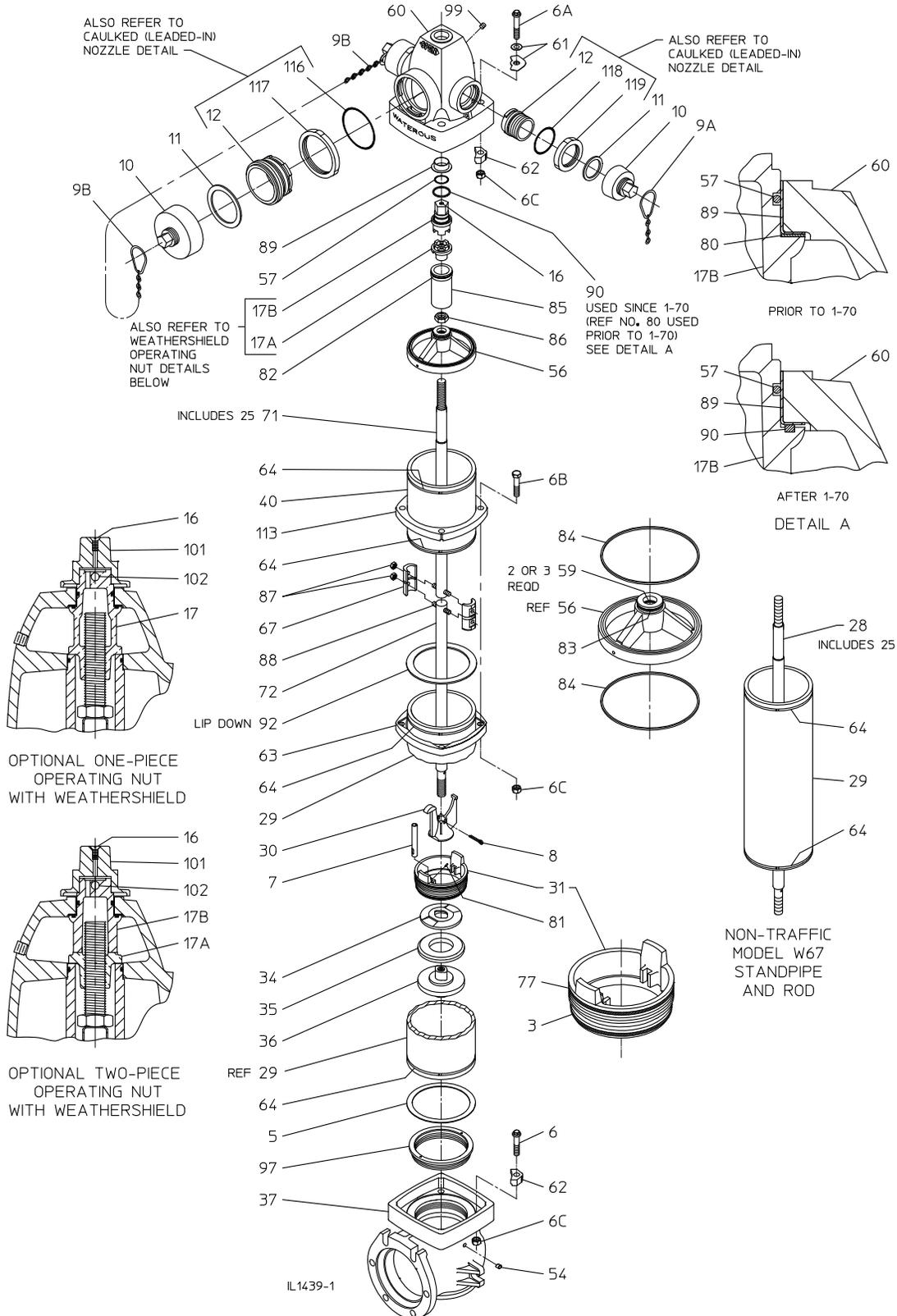
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[Back to Index](#)



Parts List-Gray Iron Pacer

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

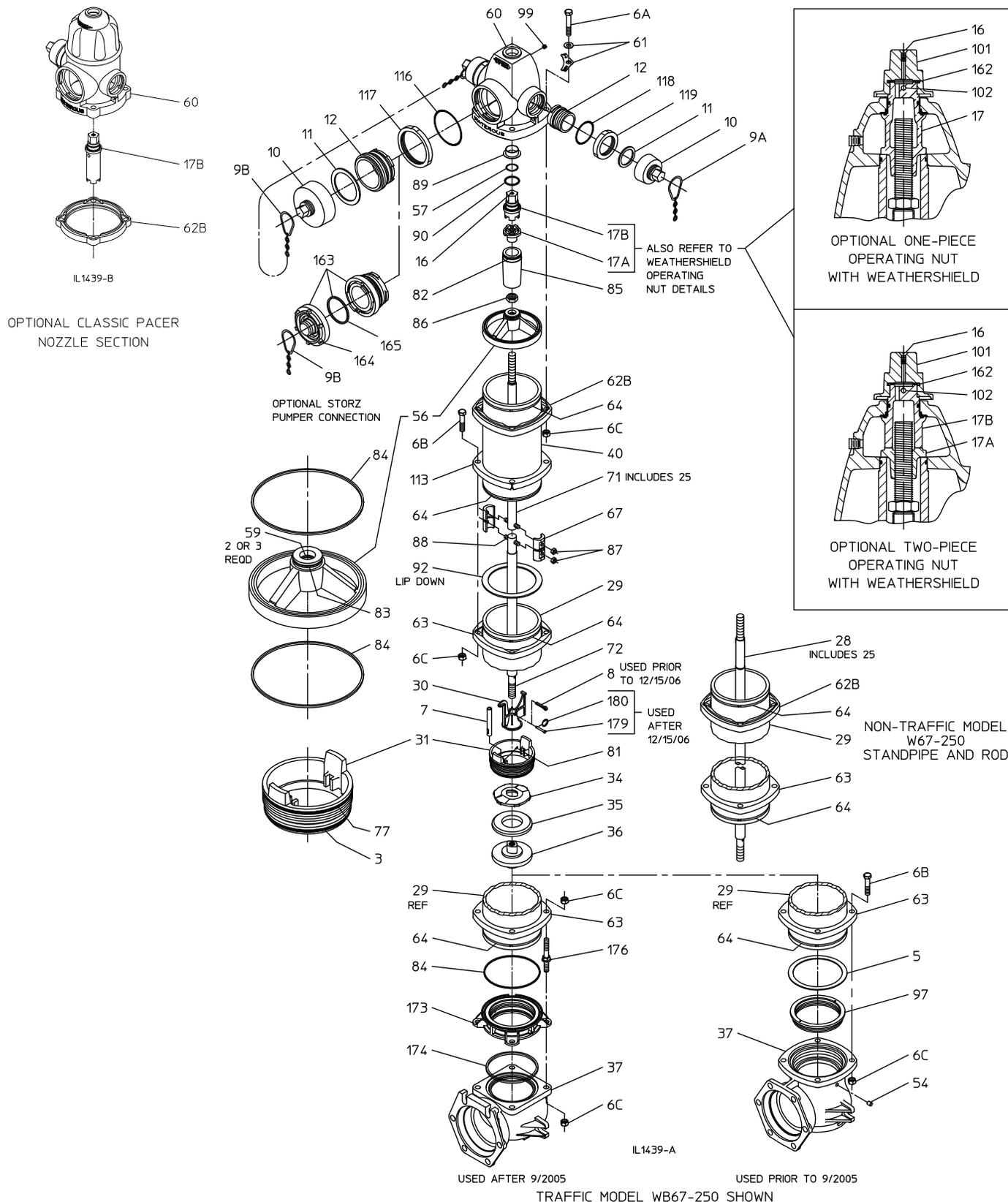


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TRAFFIC MODEL WB67 SHOWN

Parts List-Ductile Iron Pacer

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



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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 Resvoir 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.

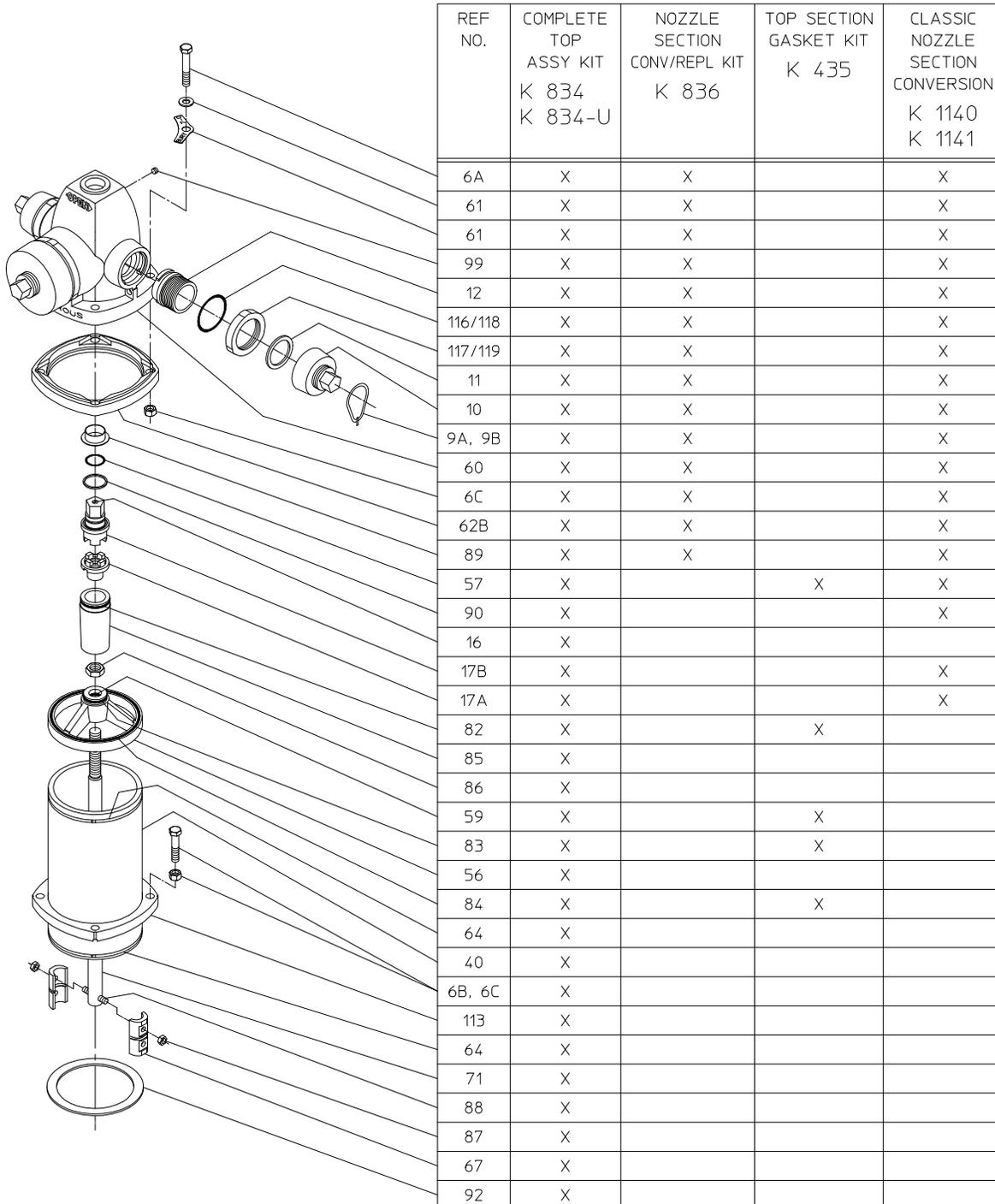
A bottom extension should be used if the bury-depth of the extended hydrant will exceed 11’6 .

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[Back to Index](#)

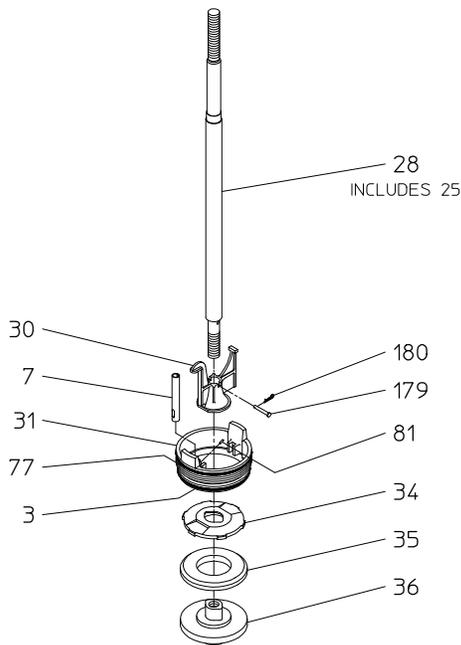


Pacer Hydrant Repair Kits Diagram

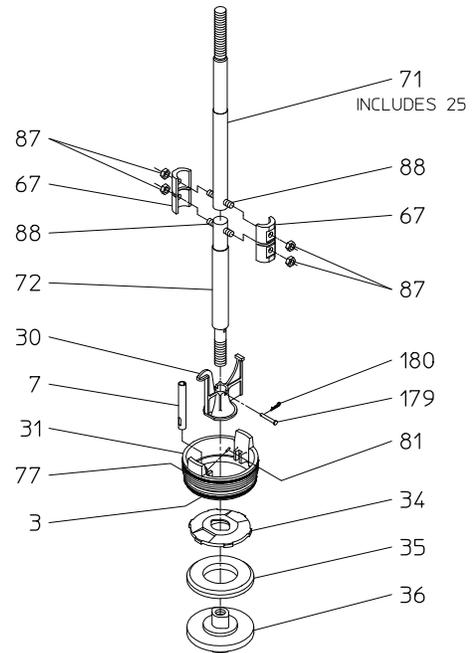


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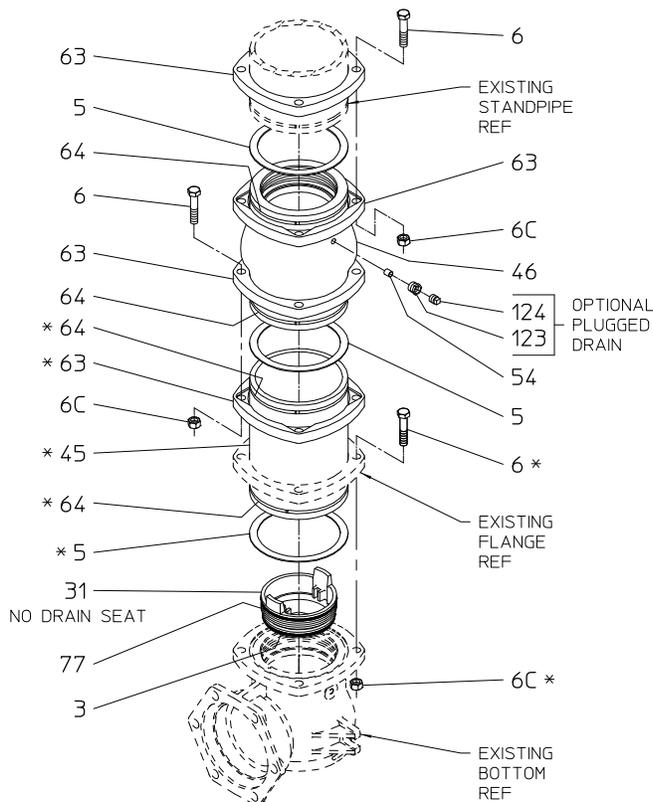
Pacer Hydrant Repair Kits Diagram



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

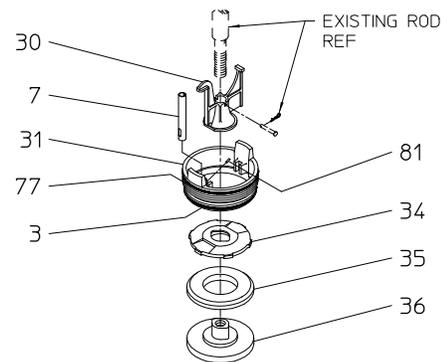


WB67/WB67-250 COMPLETE INSIDE ASSY KIT
WB67 BUILT PRIOR TO 1971 - K 504
WB67/WB67-250 BUILT AFTER 1971 - K 504-A

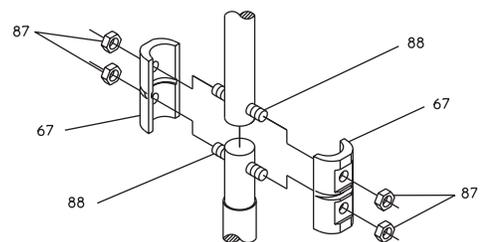


BOTTOM EXTENSION KIT K 444

* THESE PARTS ARE NOT REQD ON -12 KITS



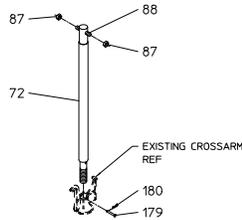
PILOTED UPPER WASHER VALVE SEAT ASSY
(ANTI-CHATTER) KIT K 537



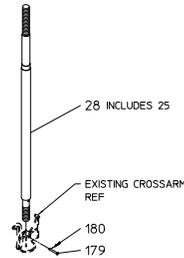
BREAKABLE COUPLING KIT K 430

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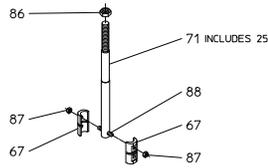
Pacer Hydrant Repair Kits Diagram



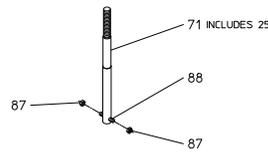
WB67/WB67-250 LOWER ROD KIT K 499



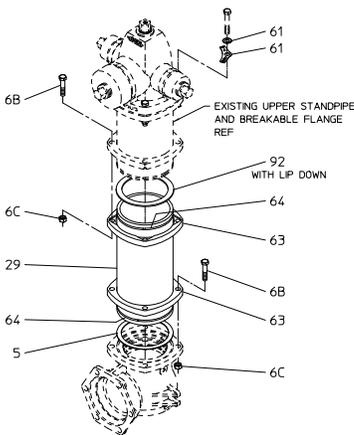
W67/W67-250 ROD ASSEMBLY KIT K 502



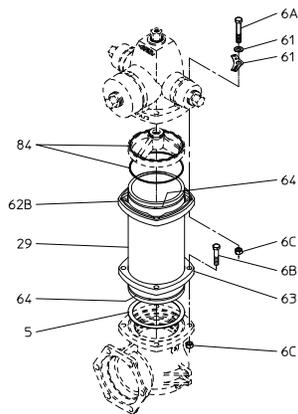
WB67/WB67-250 UPPER ROD KIT K 436
WITH COUPLING



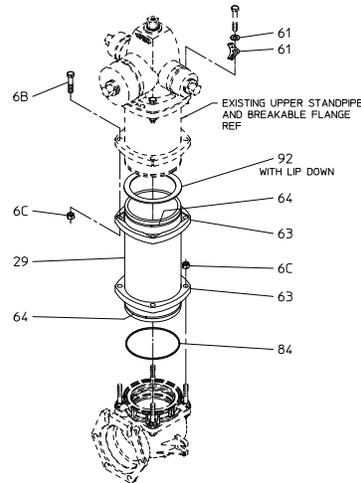
WB67/WB67-250 UPPER ROD KIT K 712
WITHOUT COUPLING



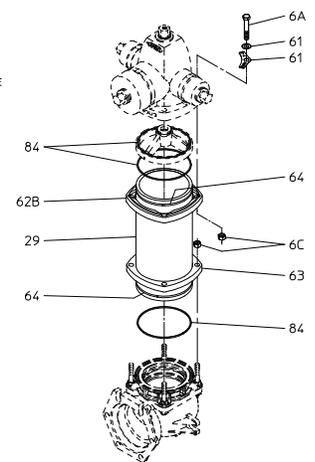
WB67-250 STANDPIPE KIT K 863
OLD STYLE BOTTOM



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

[Back to Index](#)



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.

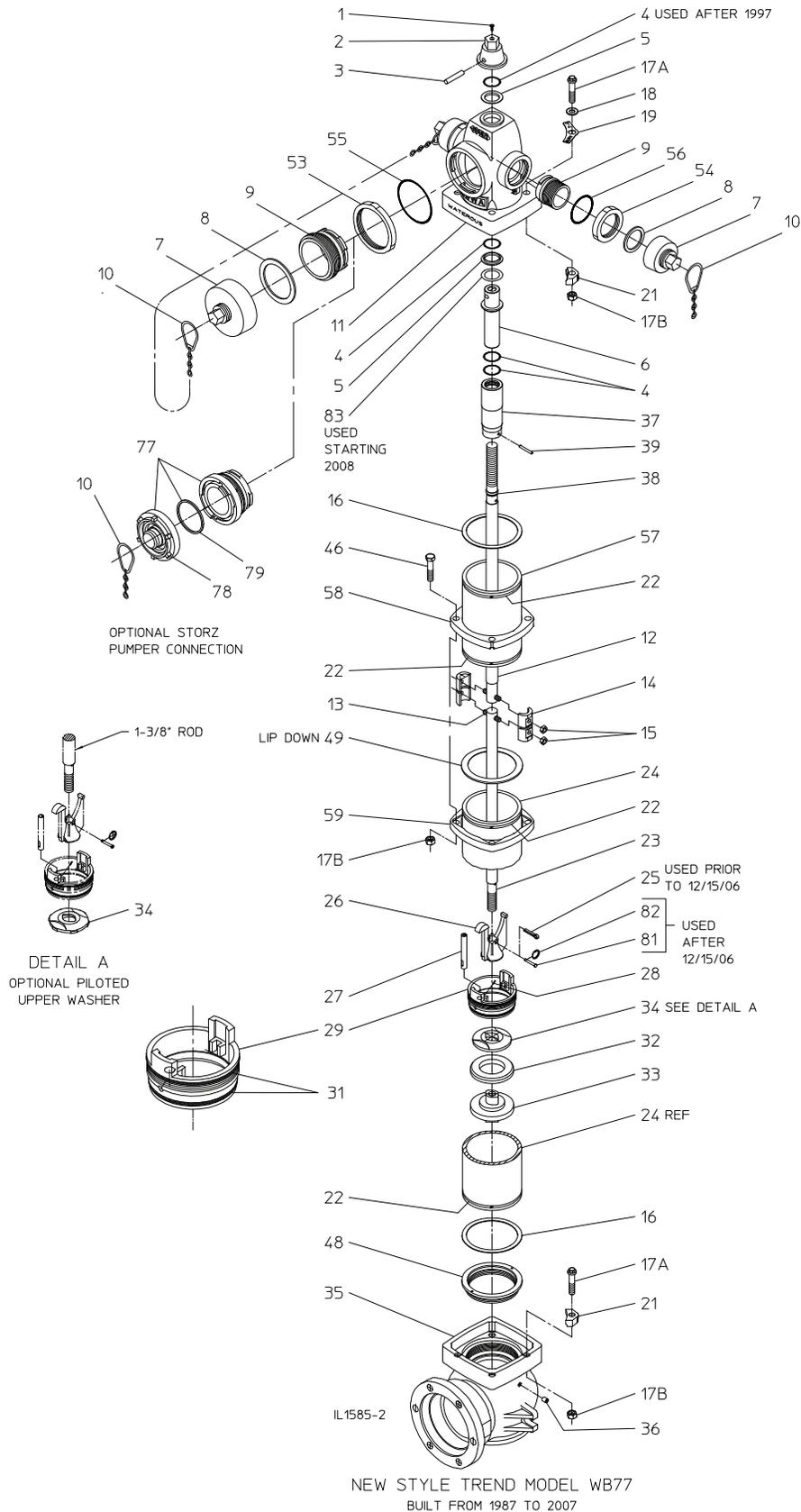
**SEE TREND HYDRANT
PARTS DIAGRAM ON
PAGE 38.**

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.

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Trend Hydrant WT77D/WB77 Parts Diagram



OCWUT00032

[Back to Index](#)



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

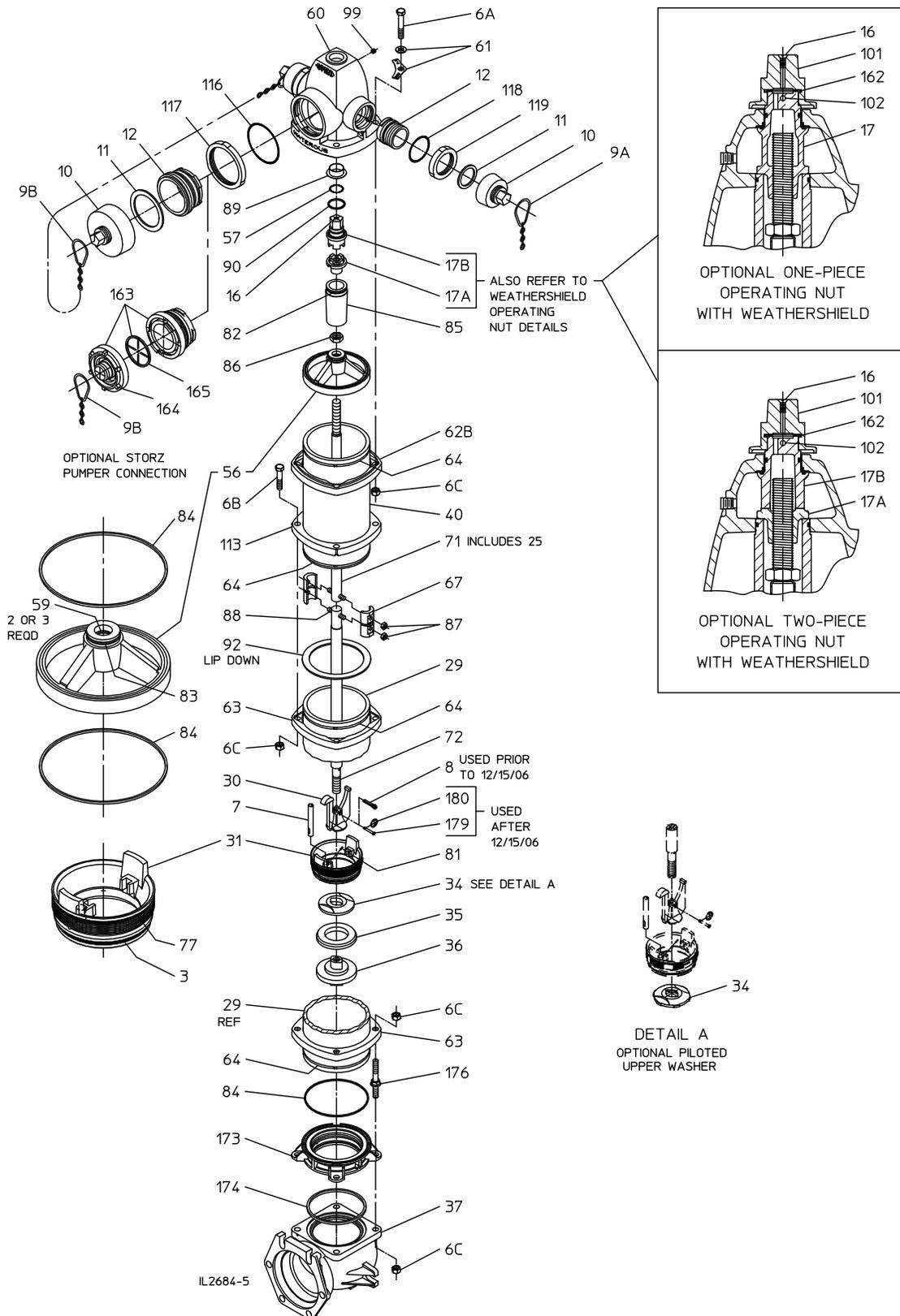
SEE TREND HYDRANT
PARTS DIAGRAM ON
PAGE 40.

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

OCWUT 00032

Trend Hydrant WB77-1 Parts Diagram



TREND MODEL WB77-1
BUILT FROM 2006 TO PRESENT

OCWUT 00032

[Back to Index](#)



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.

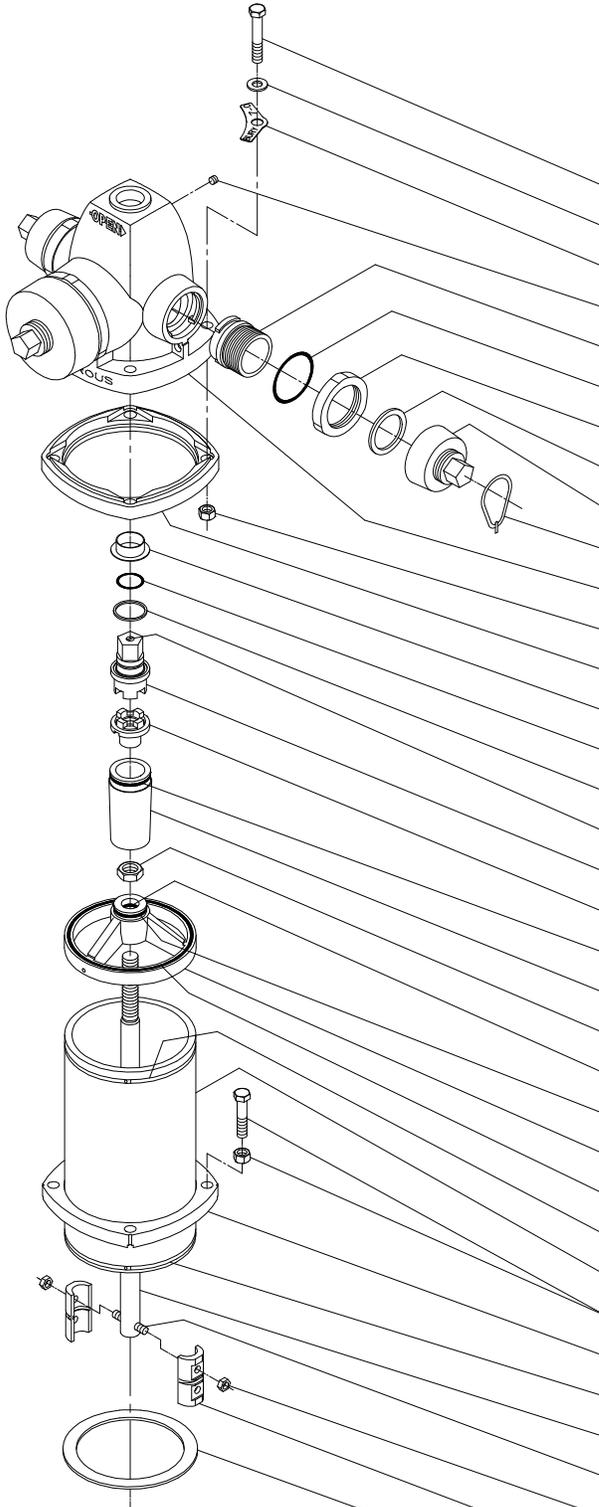
A bottom extension should be used if the bury-depth of the extended hydrant will exceed 11’6 .

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[Back to Index](#)



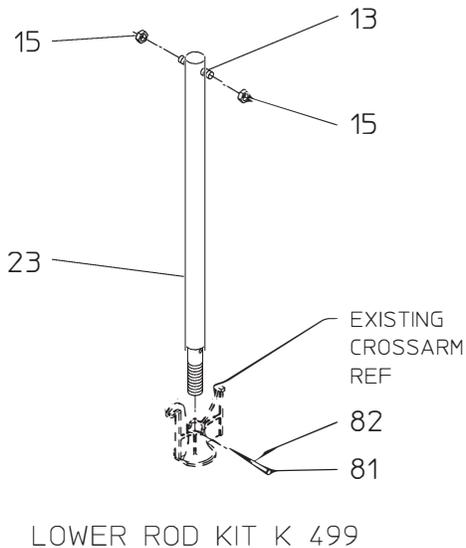
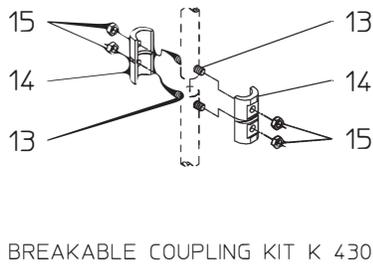
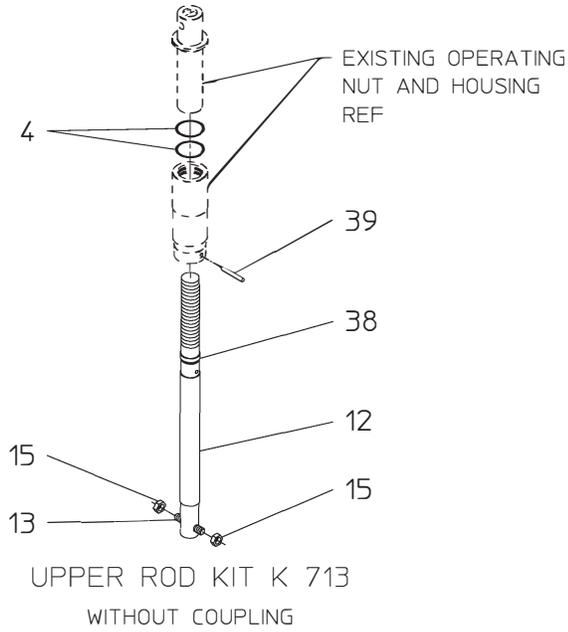
Trend WB77-1 Hydrant Parts Diagram



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		

OCWUT 00032

Trend WB77 Hydrant Repair Kits Diagram

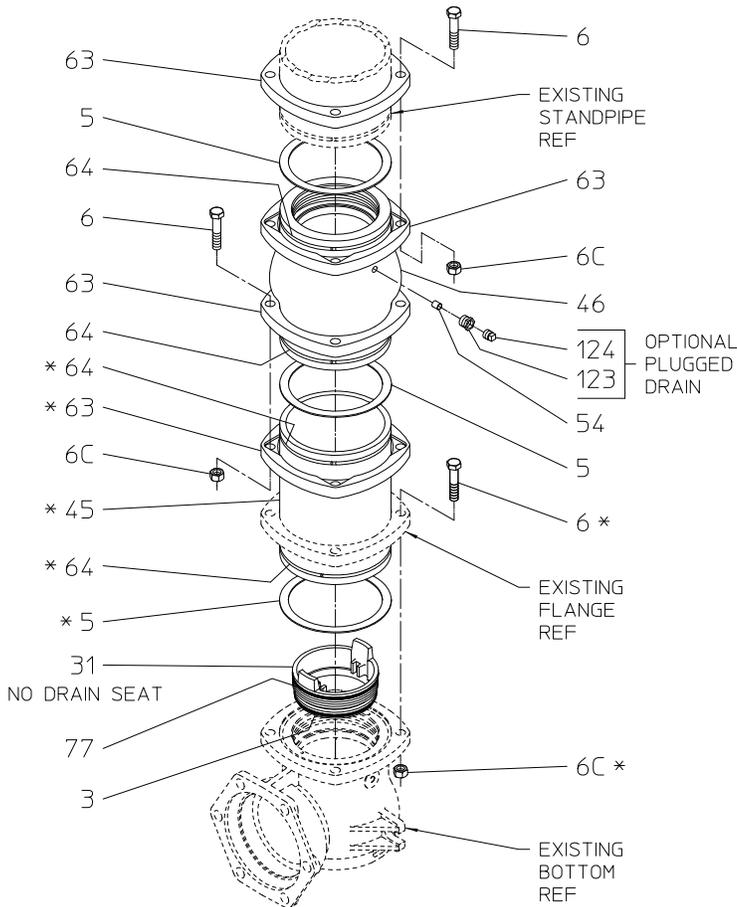


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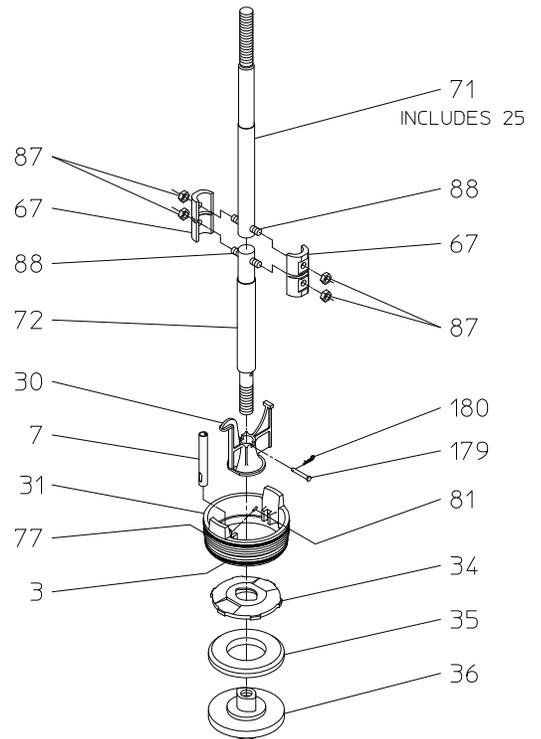
[Back to Index](#)



Trend WB77-1 Hydrant Repair Kits Diagram



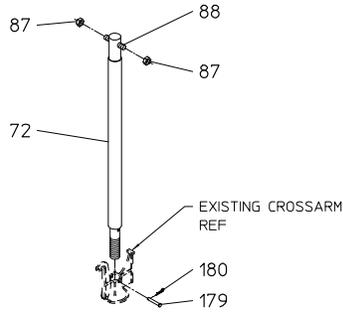
BOTTOM EXTENSION KIT K 444
* THESE PARTS ARE NOT REQD ON -12 KITS



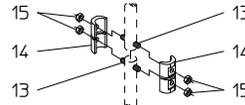
WB77-1 COMPLETE INSIDE ASSY KIT K 1120

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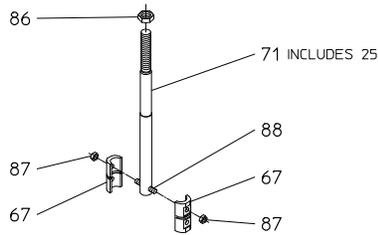
Trend WB77-1 Hydrant Repair Kits Diagram



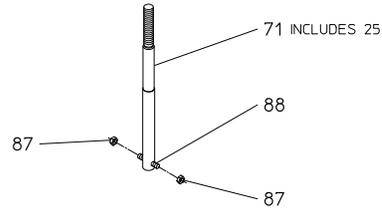
WB77-1 LOWER ROD KIT K 499



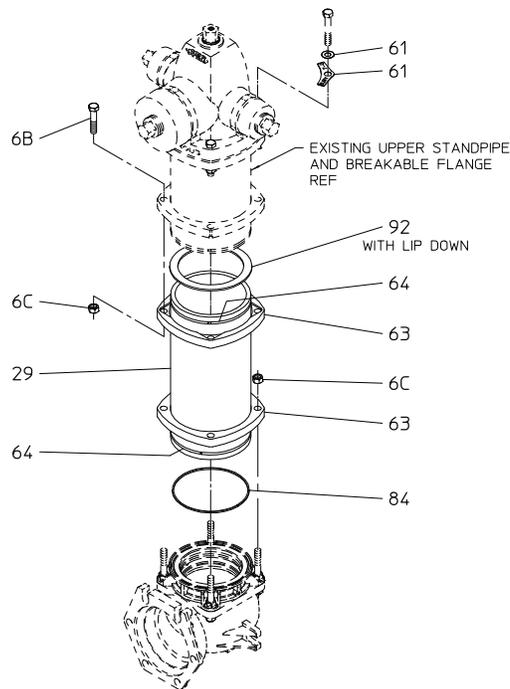
BREAKABLE COUPLING KIT K 430



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](#)



Hydrant Parts W59/WB59

SEE	PART #	NOTE	DESCRIPTION	PRICE 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 2 1/2"	\$14
	6A		Hex Head Bolt 5/8-11 x 2 3/4"	\$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	PART #	NOTE	DESCRIPTION	PRICE 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

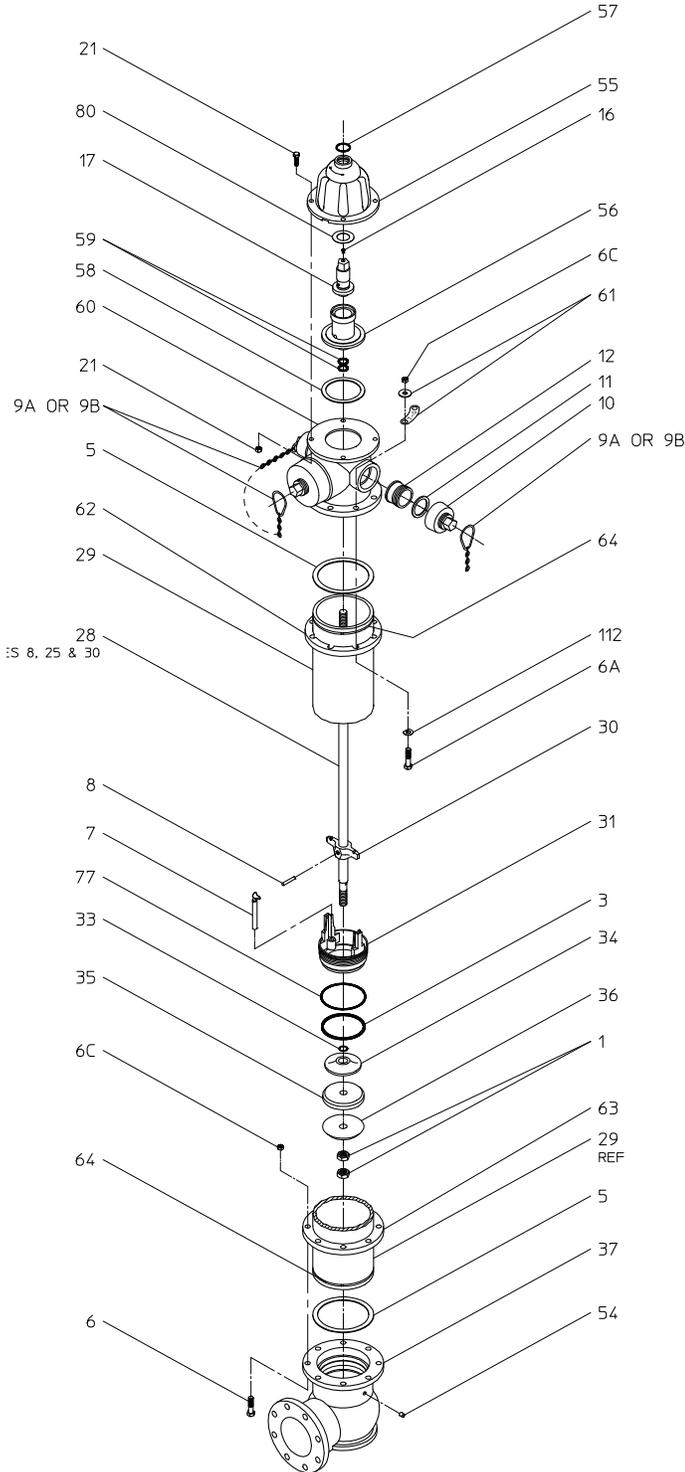
**SEE HYDRANT PARTS
DIAGRAM W59/WB59
ON PAGE 47.**

NOTES: Please include the following information when ordering:

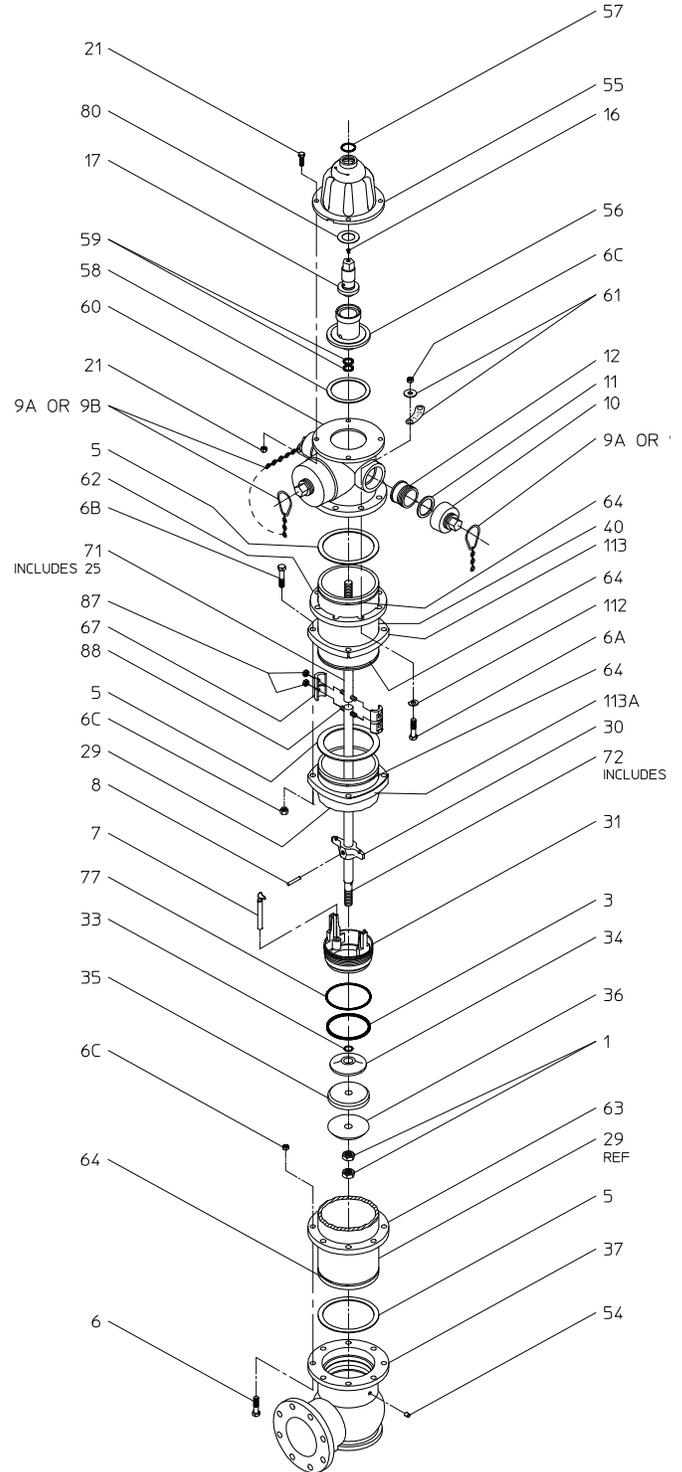
1. Thread specification; Nut Size; Color
2. Thread Specification
3. Direction of Opening
4. Direction of Opening; Color
5. Direction of Opening; Cover Depth
6. Cover Depth
7. Length of Traffic Section
8. Direction of Opening; Length of Traffic Section
9. Direction of Opening; Nut Size
10. Color
11. Valve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

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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

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[Back to Index](#)



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:

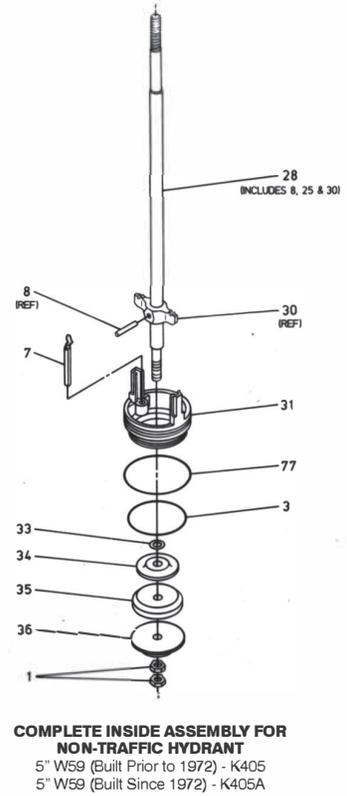
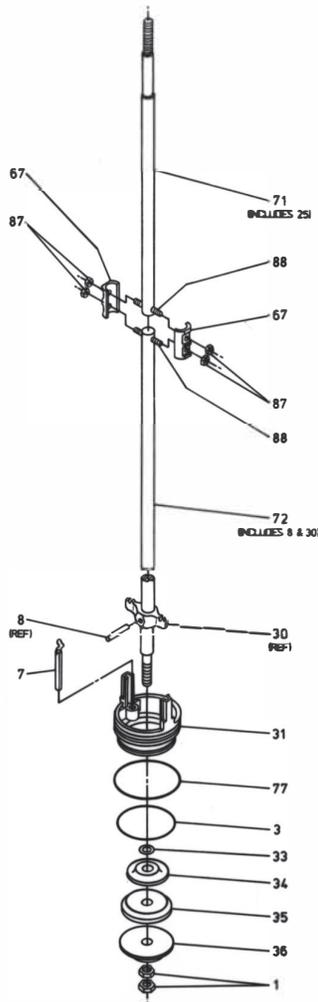
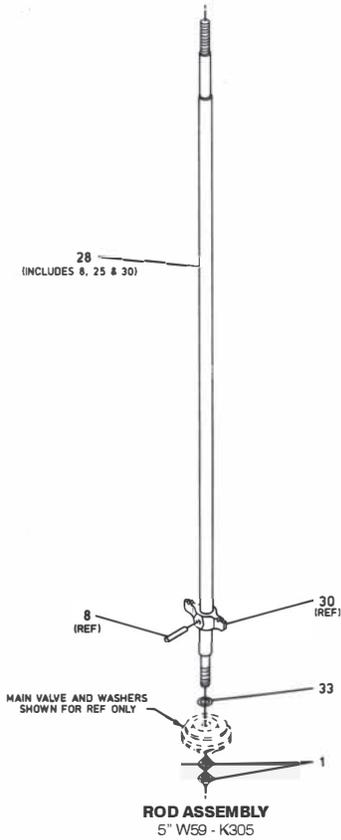
1. Direction of Opening; Cover Depth
2. Direction of Opening; Length
3. Length
4. Traffic Section Length; Color
5. Color

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[Back to Index](#)

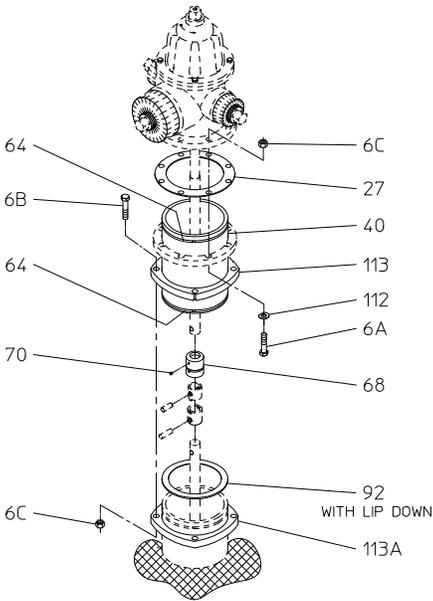


WB59 Diagrams

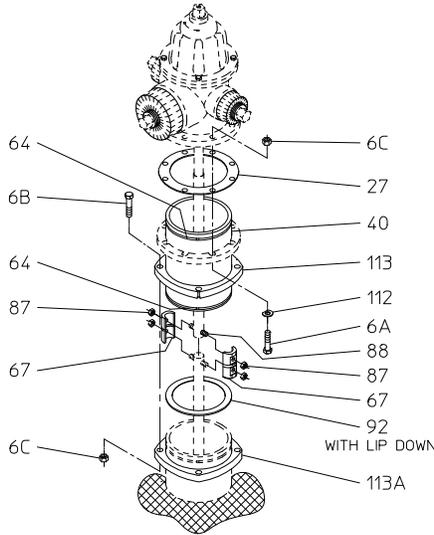


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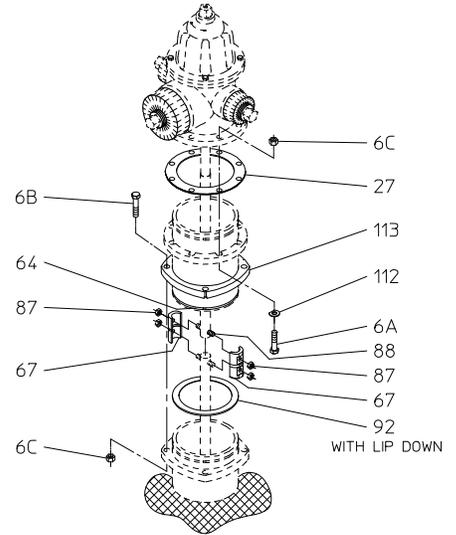
WB59 Diagrams



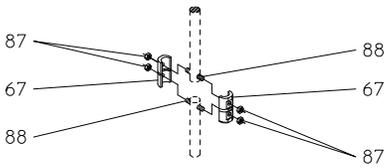
KIT K 527
5" WB59 WITH OLD STYLE COUPLING
FOR HYDRANTS BUILT PRIOR TO 1968



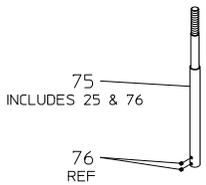
KIT K 526
5" WB59 WITH NEW STYLE COUPLING
FOR HYDRANTS BUILT FROM 1968 TO 1980



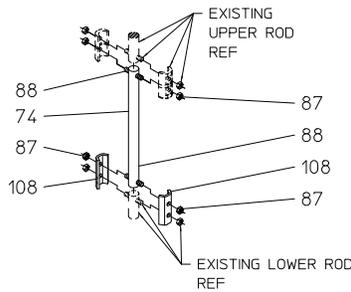
KIT K 529
5" WB59 WITH NEW STYLE COUPLING
FOR HYDRANTS BUILT FROM 1968 TO 1998



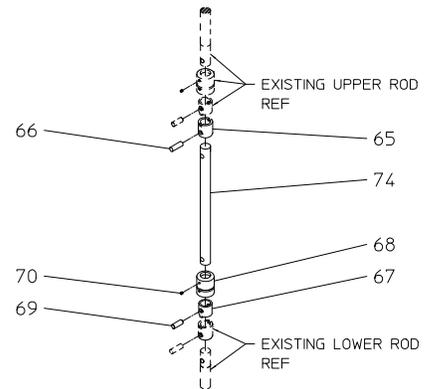
KIT K 430
NEW STYLE BREAKABLE COUPLING



K 355
ROD EXTENSION
5" W59 - K 355



K 431
ROD EXTENSION WITH NEW COUPLING
5" WB59 - K 431



K 356
ROD EXTENSION WITH OLD COUPLING
5" WB59 - K 356

OCWUT 0032

[Back to Index](#)



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:

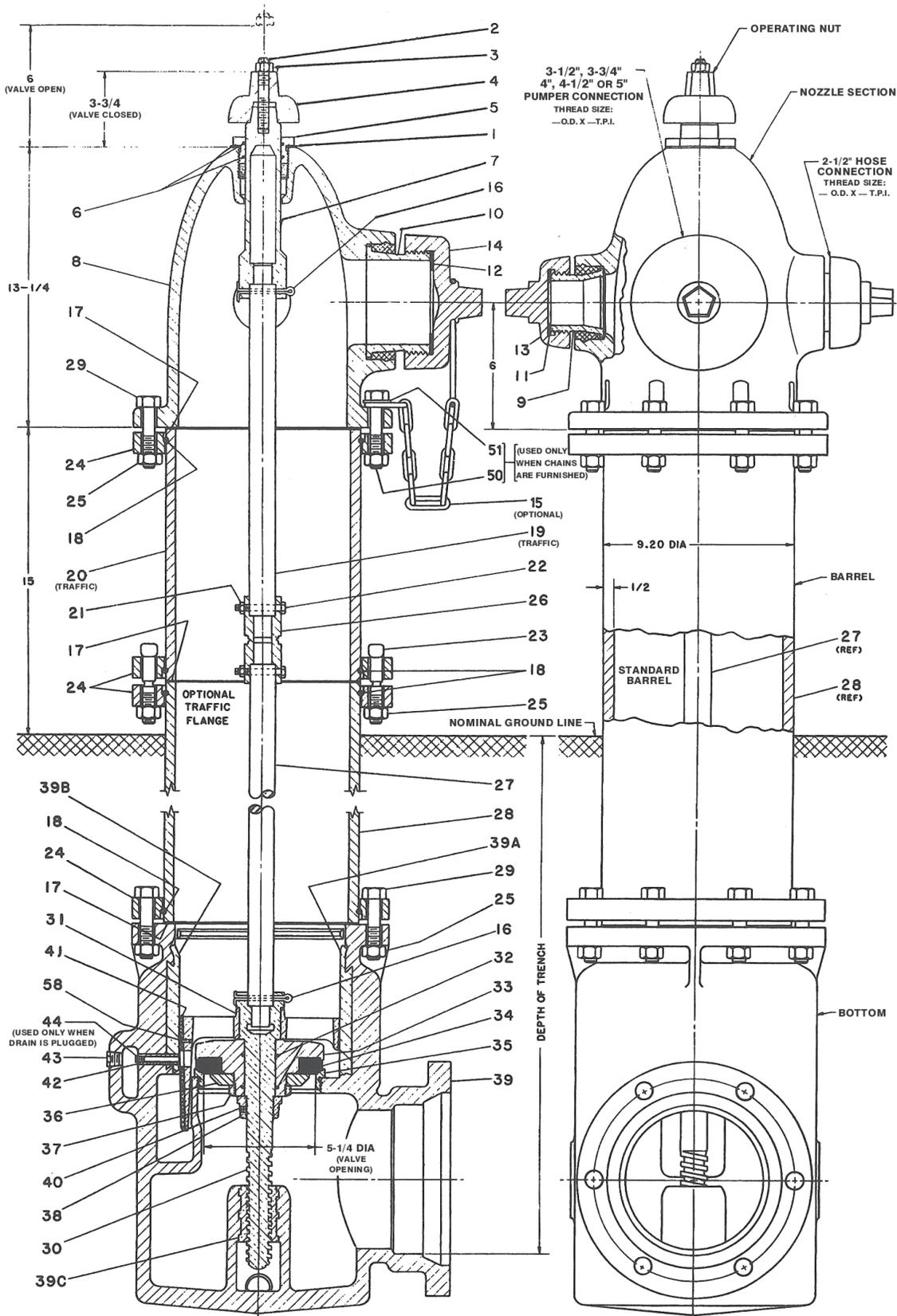
1. Nut Size and Shape; Color and Year
2. Thread Specification
3. Thread Specification, Nut Size and Shape; Color
4. Length
5. Direction of Opening

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

ALL PRICING IS PER EACH

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Traverse City Hydrant Parts Diagram



OCWUT 00032

[Back to Index](#)



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	Captivater Hose Cap	\$524
5	Captivater 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
	Captivater™ Wrench (must ship direct to end user)	\$328
	Small Captivater™ 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 seperately

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[Back to Index](#)



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)

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[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

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[Back to Index](#)



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.

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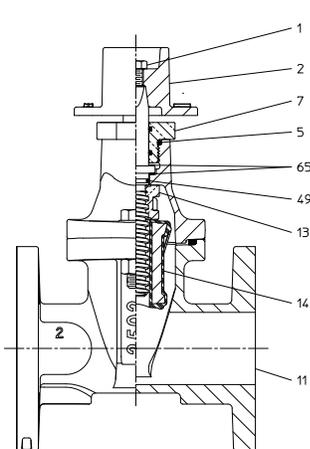
Series 2500-1 Resilient Wedge Valve Parts

NON-RISING STEM (NRS)

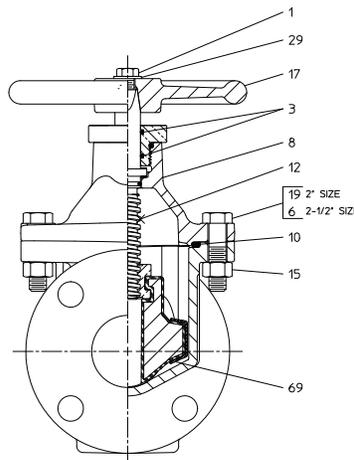
SEE		2"	2-1/2"	3"	4"	6"	8"	10"	12"
1	Hex Head Bolt, 1"	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
2	1 Operating Nut, 2" square	\$77	\$77	\$77	\$77	\$77	\$77	\$77	\$77
3	O-Ring	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
4	Lower Thrust Washer - 304 SS	-	-	\$6	-	-	-	-	-
5	Stuffing Box Gasket	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
6	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

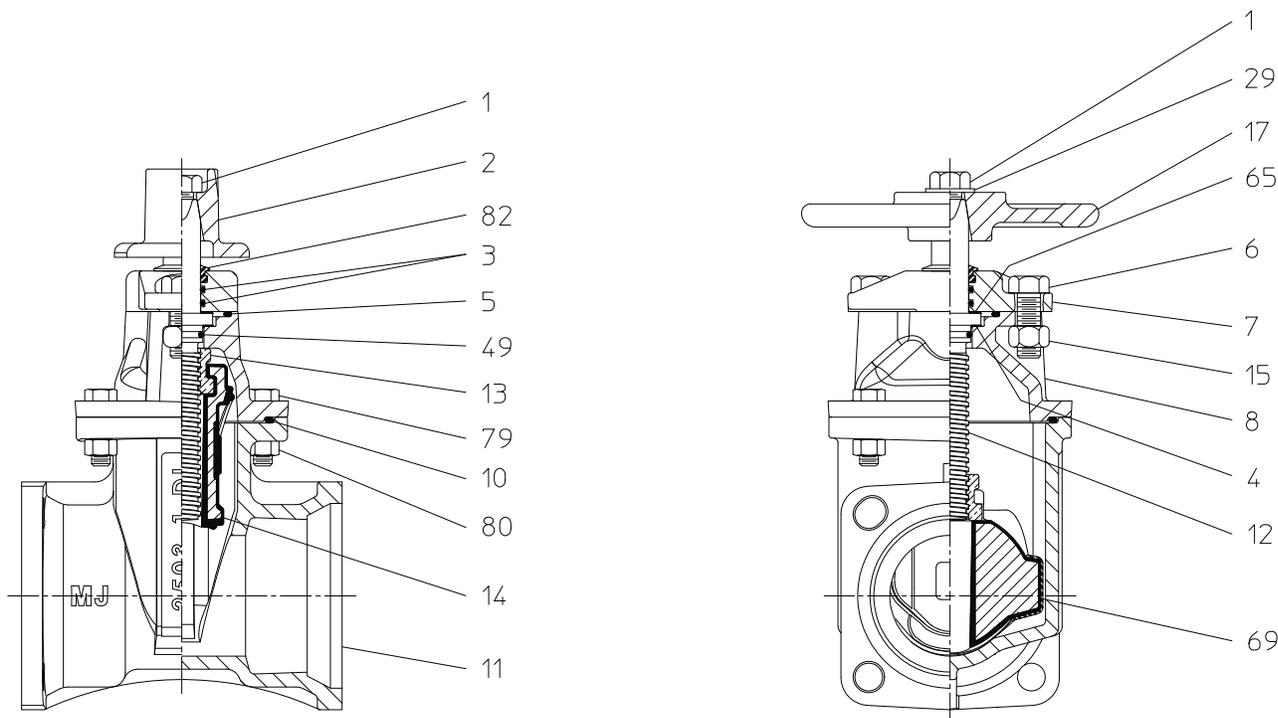


SHOWN WITH OPTIONAL HANDWHEEL

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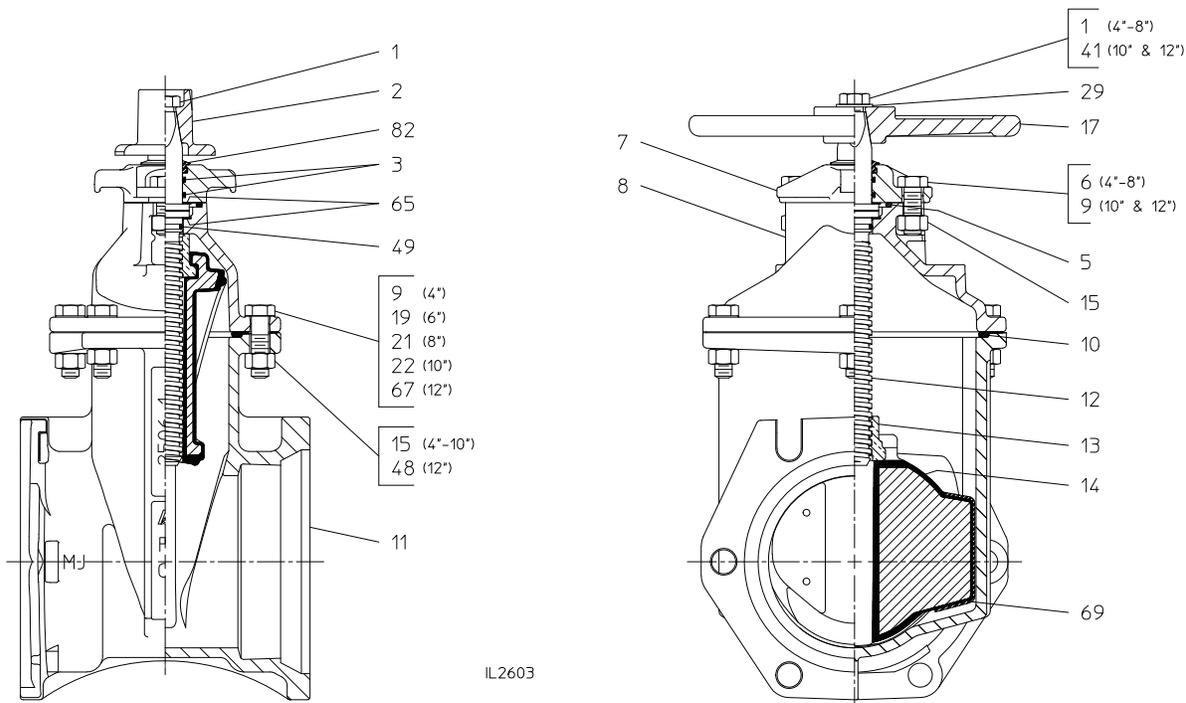
Series 2500-1 Resilient Wedge Valve Parts Diagram

3" 2500-1 NRS PARTS DIAGRAM



IL4980

4"-12" 2500-1 NRS PARTS DIAGRAM



IL2603

SHOWN WITH 2" OPERATING NUT

SHOWN WITH OPTIONAL HANDWHEEL

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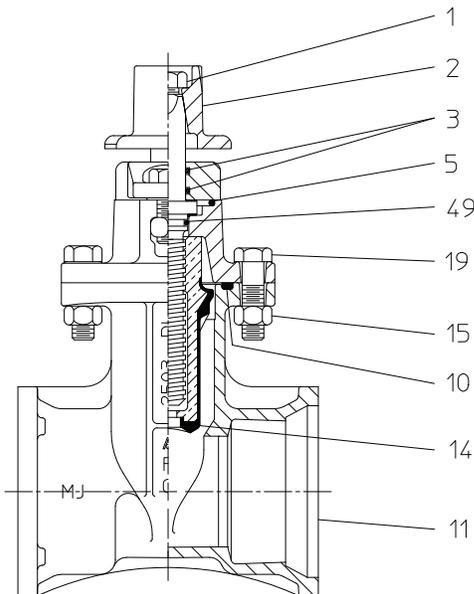
Series 2500 Resilient Wedge Valve Parts

NON-RISING STEM (NRS)

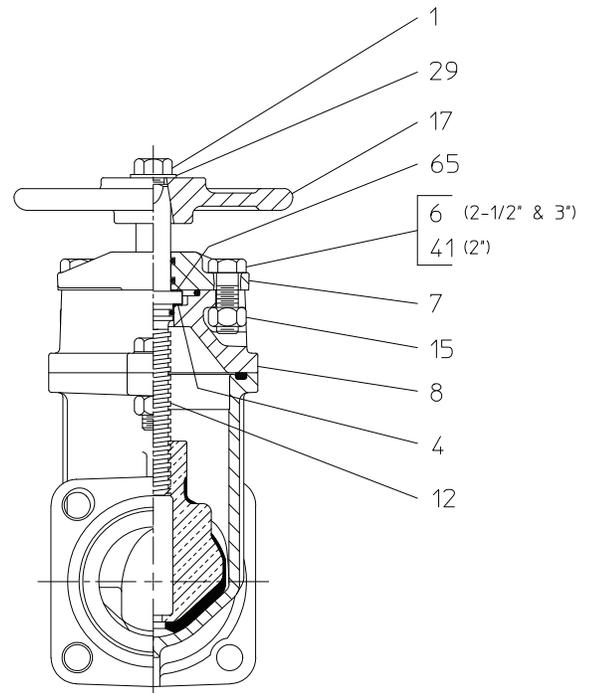
PART #	SEE NOTE	DESCRIPTION	2"	2½"	3"
1		Hex Head Bolt, 1"	\$6	\$6	\$6
2	1	Operating Nut, 2" square	\$77	\$77	\$77
3		O-Ring	\$6	\$6	\$6
4		Lower Thrust Washer – Teflon	\$6	\$6	\$6
5		Stuffing Box Gasket	\$6	\$6	\$6
6		Hex Head Bolt, 1½"	–	\$20	\$20
7		Stuffing Box Assembly	\$114	\$114	\$114
8		Bonnet	–	–	\$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

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[Back to Index](#)



Series 2500-1 Resilient Wedge Valve Parts

OUTSIDE SCREW & YOKE (OS&Y)

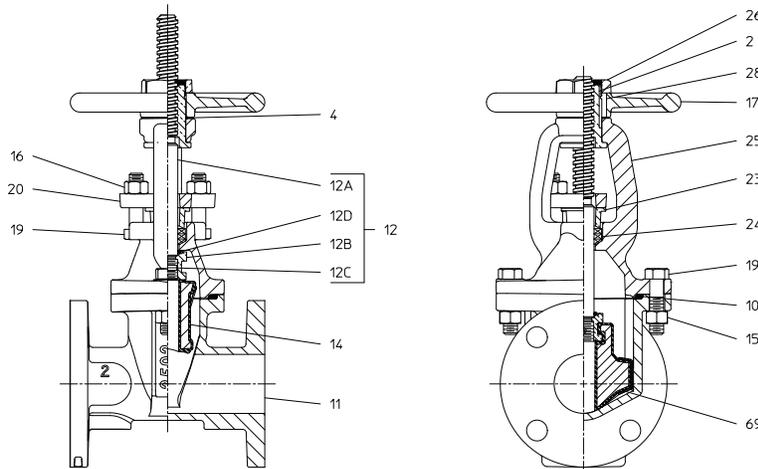
SEE	PART #	NOTE	DESCRIPTION	2"	3"	4"	6"	8"	10"	12"
	2	2	Yoke Nut	\$123	-	-	-	-	\$405	\$405
	2	2	Stem Nut (2 required per valve)	-	\$140	\$168	\$168	\$168	-	-
	3		O-Ring	-	-	\$6	\$6	\$6	-	-
	4		Handwheel Washer	\$6	\$6	\$6	\$6	\$6	\$14	\$20
	5		Stuffing Box Gasket	-	\$14	\$14	\$14	\$14	\$14	\$14
	8		Bonnet	-	\$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)	\$13	\$16	\$16	\$16	\$16	\$16	\$16
			- Quantity needed per valve:	(4)	(5)	(6)	(6)	(6)	(5)	(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

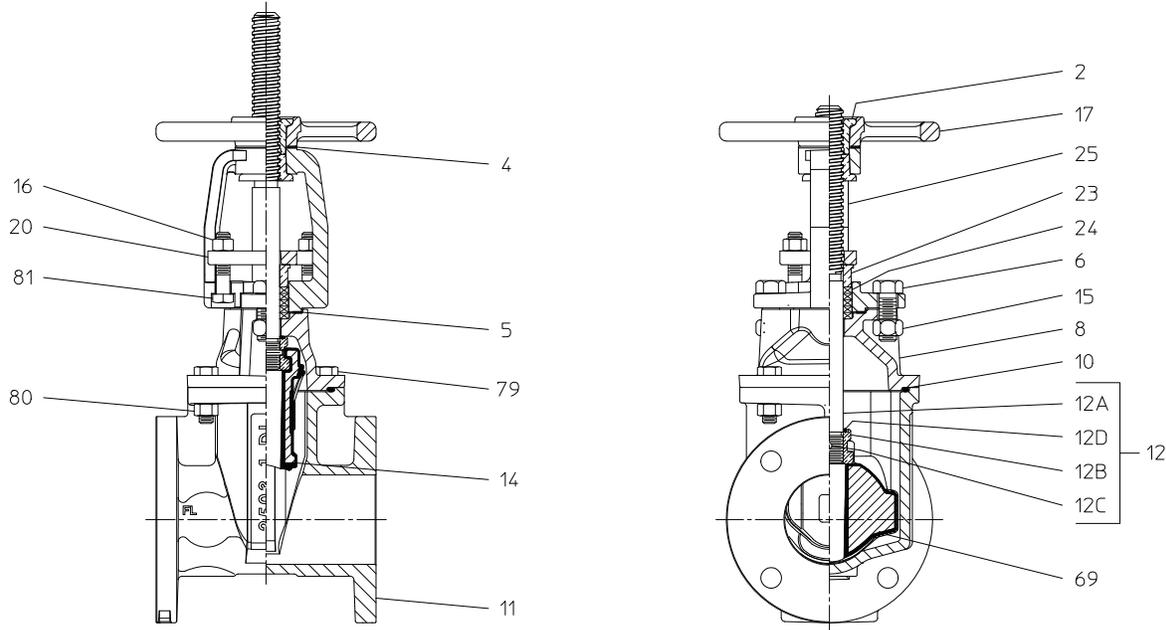
SEE 3" & 4" - 12" 2500-1 OS&Y PARTS DIAGRAMS ON PAGE 61.



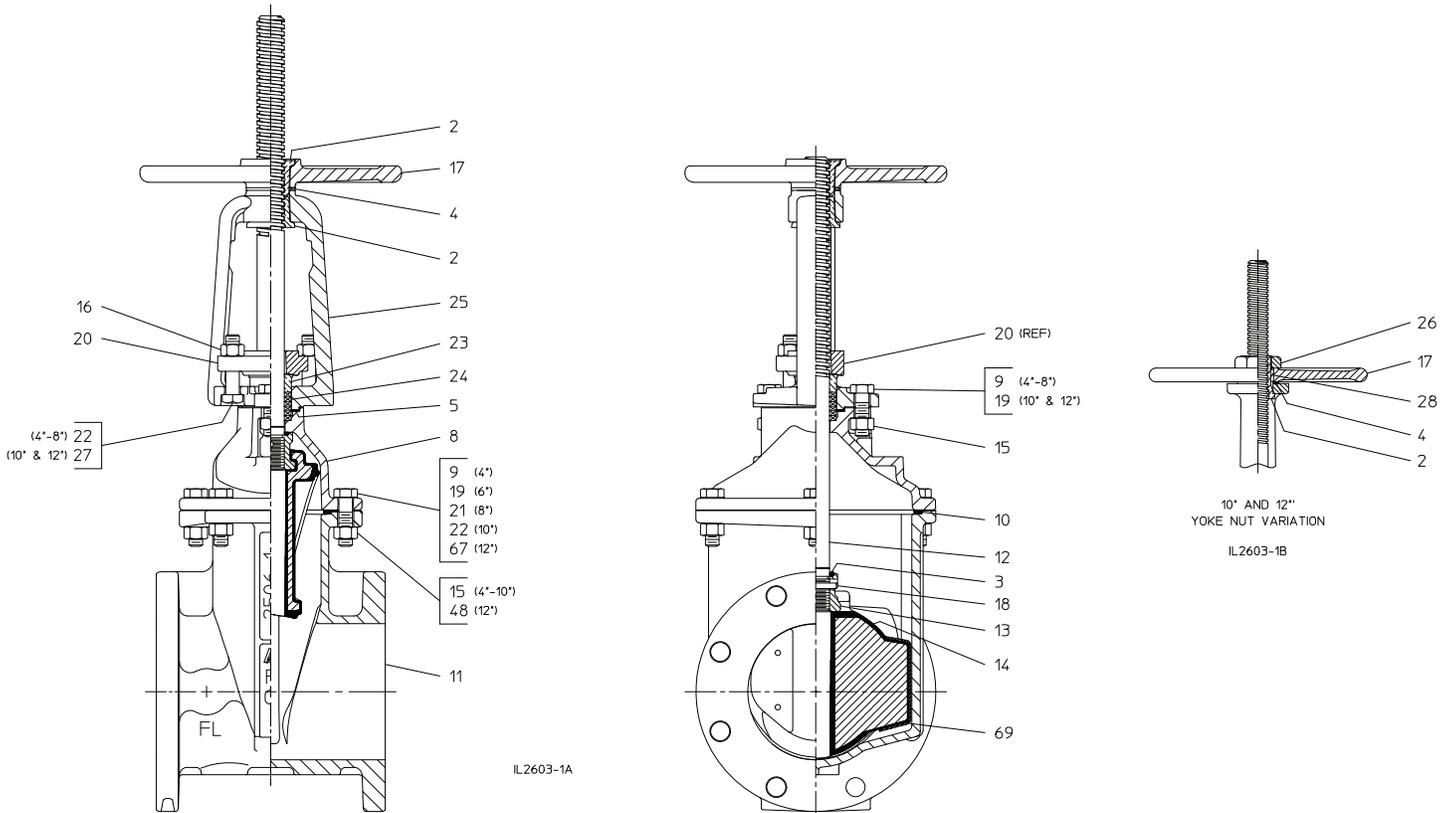
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Series 2500-1 Resilient Wedge Valve Parts Diagram

3" 2500-1 OS&Y PARTS DIAGRAM



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



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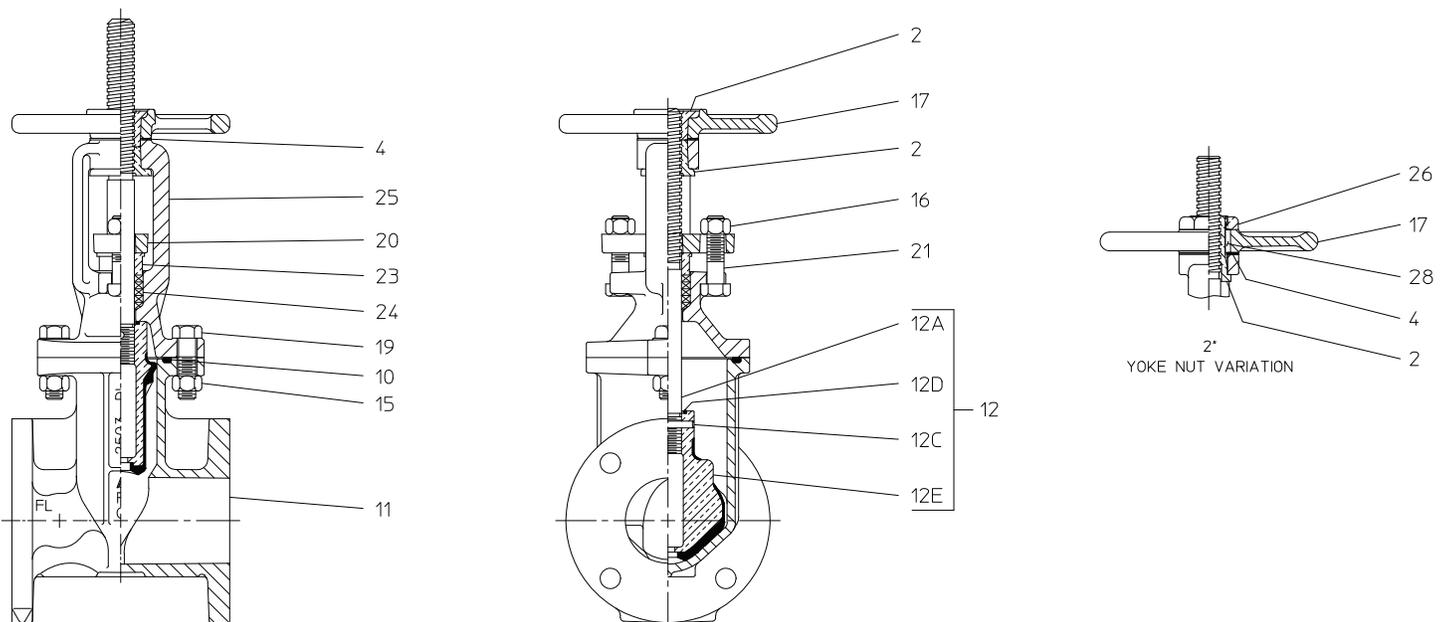
Series 2500 Resilient Wedge Valve Parts

OUTSIDE SCREW & YOKE (OS&Y)

SEE			2"	2½"	3"
PART #	NOTE	DESCRIPTION			
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.



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OCWUT 00032

[Back to Index](#)



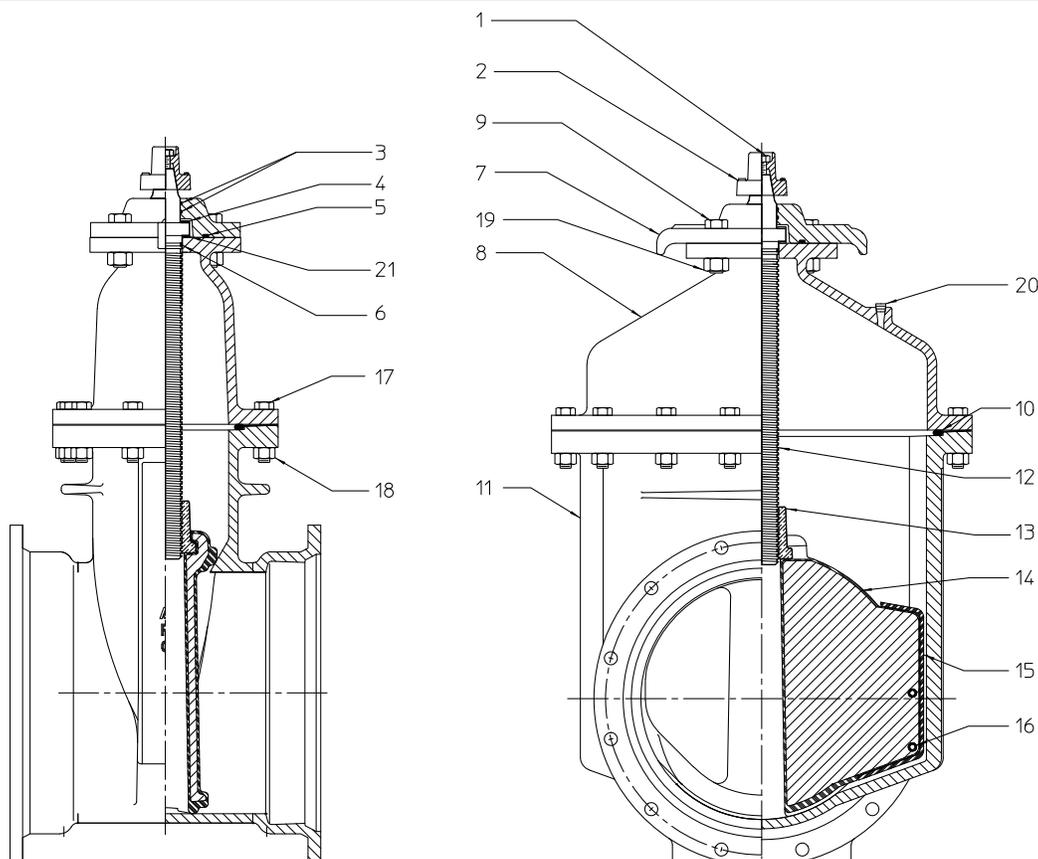
14" - 24" Series 2500 Resilient Wedge Valve Parts

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.



OCWUT 00032

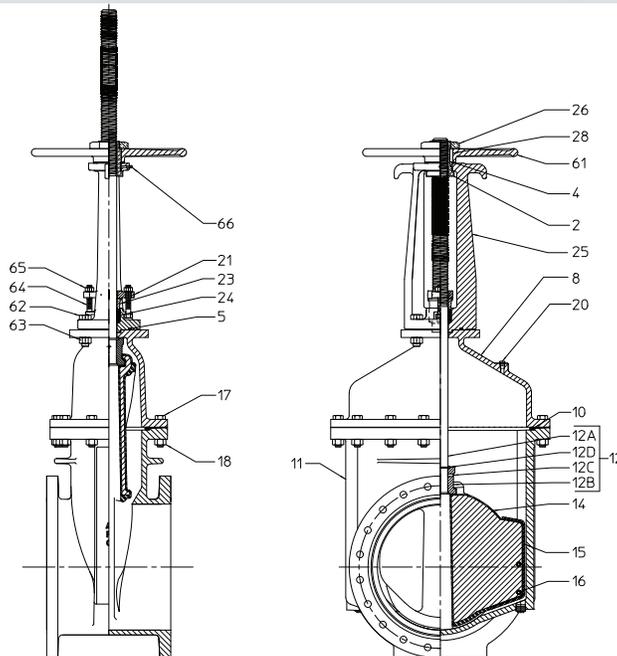
14" - 24" Series 2500 Resilient Wedge Valve Parts

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.



O C W U T O O O 3 2

[Back to Index](#)



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

O
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W
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[Back to Index](#)



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.

OCWUT 00032

[Back to Index](#)



Series 2800 Tapping Sleeve Parts

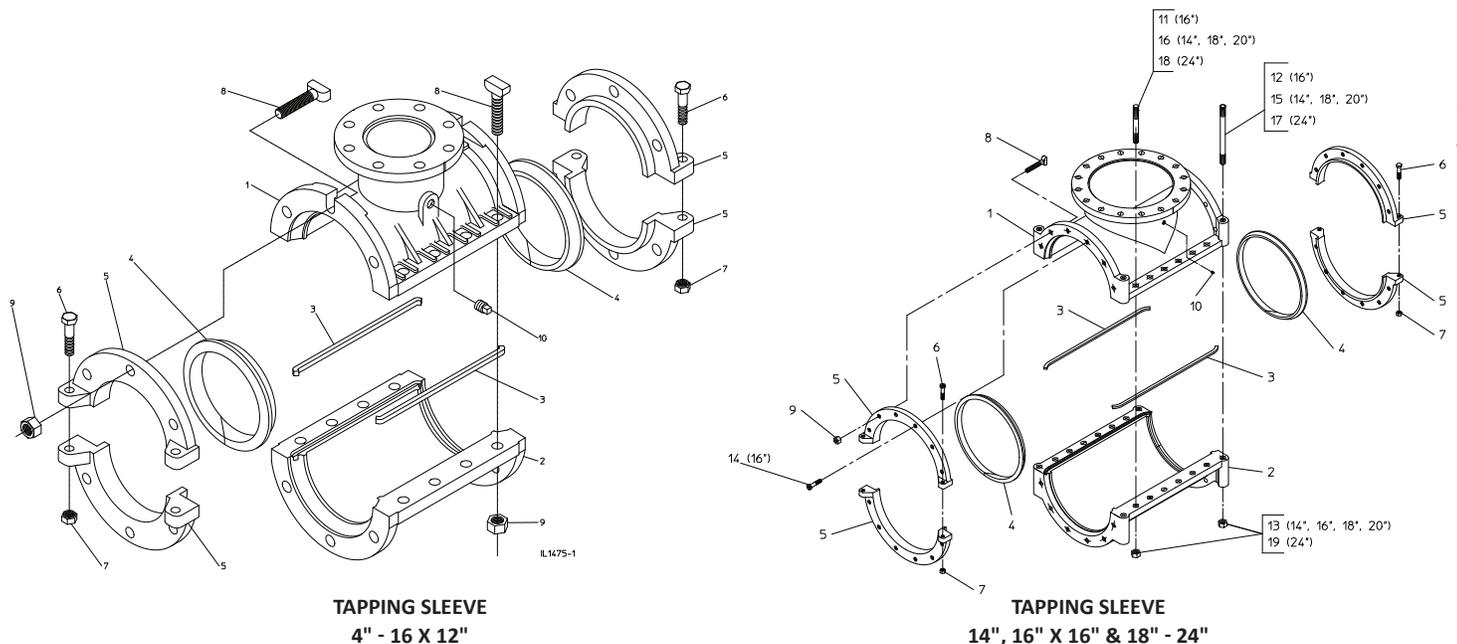
REF NO.	DESCRIPTION	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
1	Sleeve Front (not sold as parts)	-	-	-	-	-	-	-	-	-	-
2	Sleeve Back (not sold as parts)	-	-	-	-	-	-	-	-	-	-
3	Side Gaskets – Each	\$67	\$67	\$67	\$67	\$67	\$67	\$67	\$146	\$161	\$195
4	End Gaskets - CI/DI – Each	\$72	\$77	\$84	\$88	\$104	\$105	\$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	-	-	-	-	-



TAPPING SLEEVE
4" - 16 X 12"

TAPPING SLEEVE
14", 16" X 16" & 18" - 24"

OCWUT 0032

[Back to Index](#)



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

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2

[Back to Index](#)



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 LEVER & WEIGHT OR SPRING

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 LEVER & WEIGHT OR SPRING

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 LEVER & WEIGHT OR SPRING

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

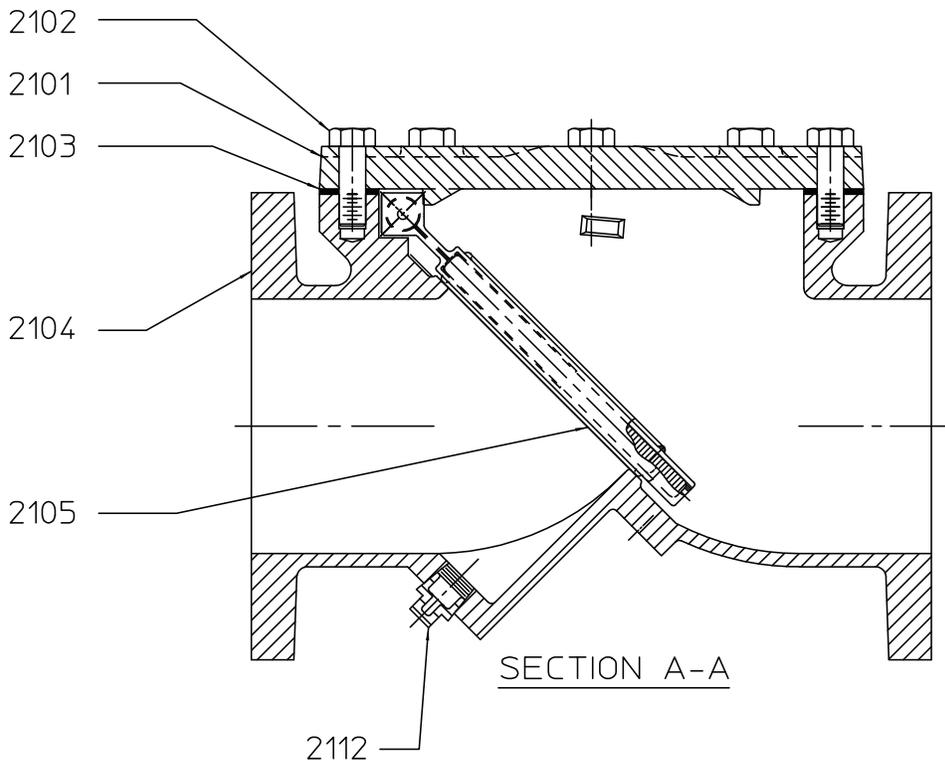
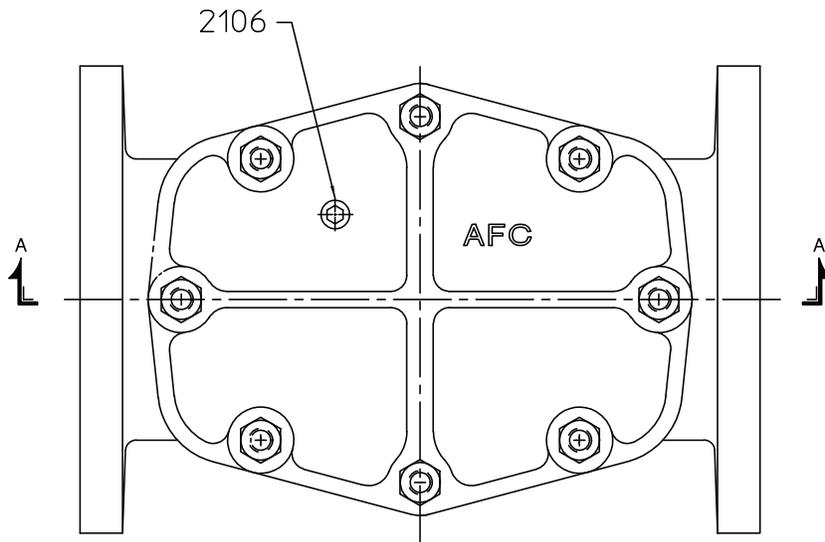
Add for each tap location - All Sizes \$175

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 0032

[Back to Index](#)



Check Valve Repair Parts - IBBM

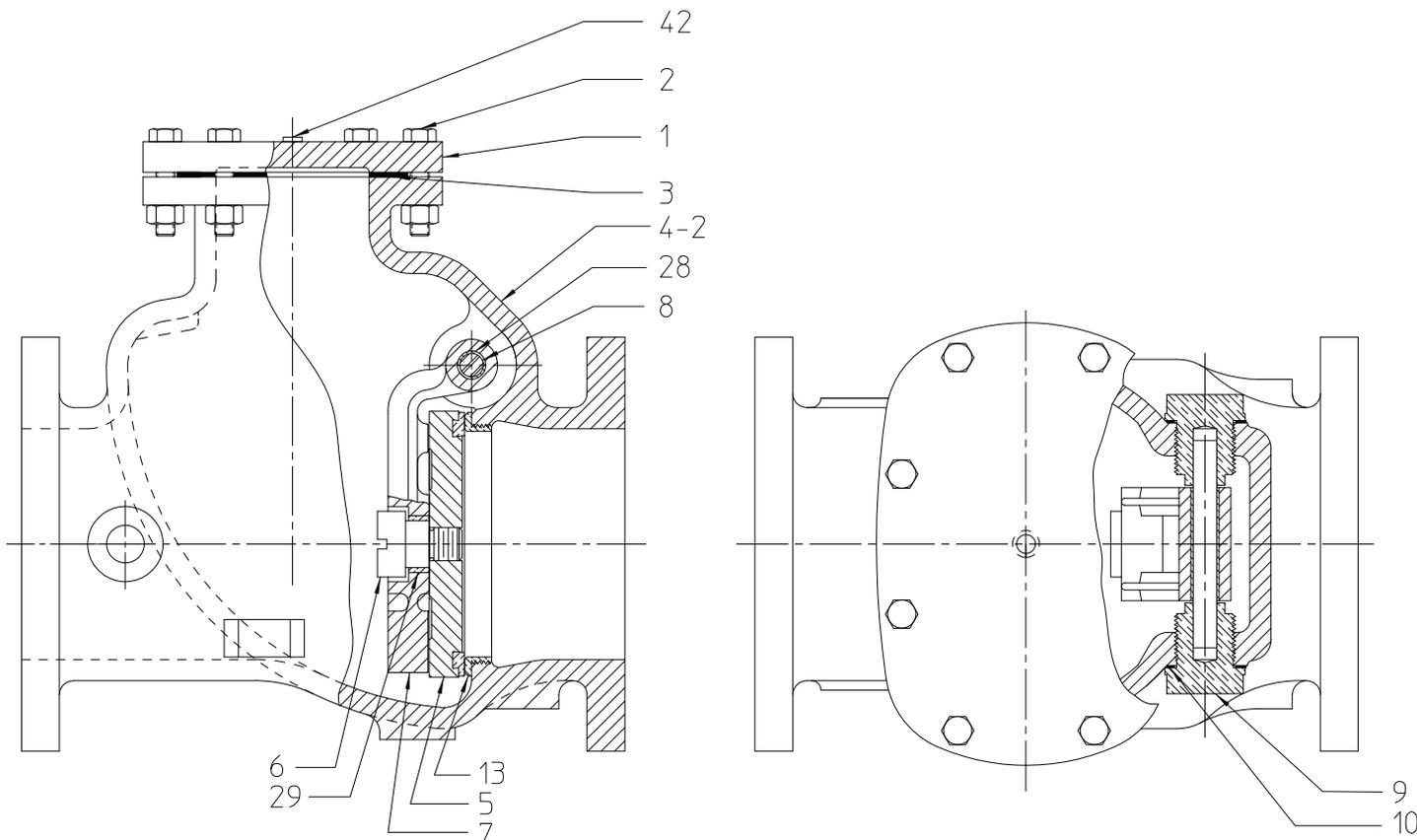
50 LINE STANDARD

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.



OCWUT 00032

[Back to Index](#)



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.

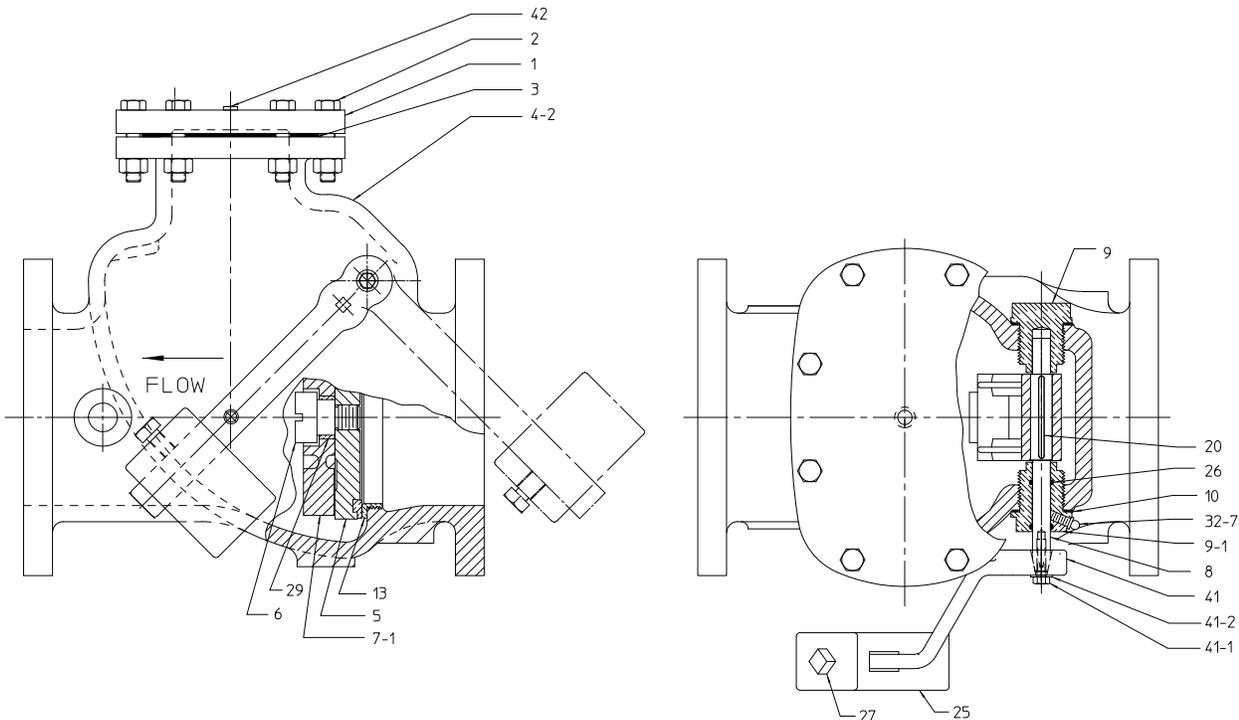
***Part No. 8-1 – Price includes the following parts:

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.



OCWUT 00032

[Back to Index](#)



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.

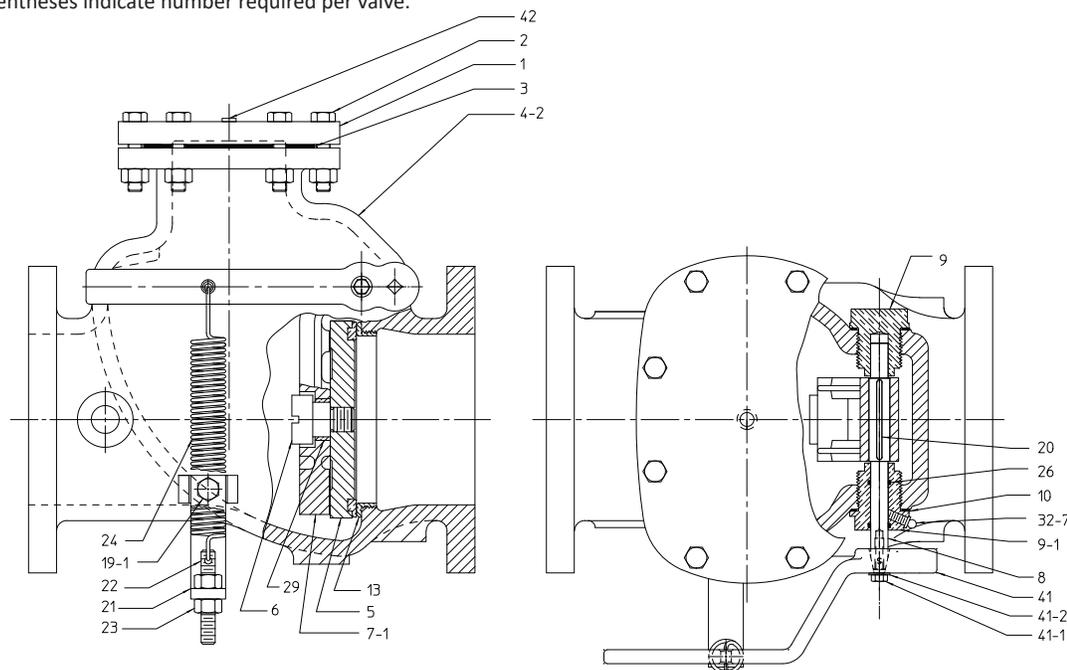
**Part No. 7-1 – Price includes Stud Bushing, Part No. 29.

***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.



OCWUT 0032

[Back to Index](#)



Check Valve Repair Parts

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

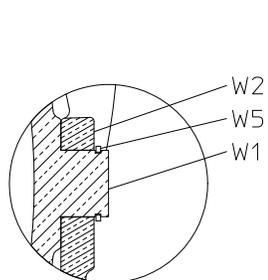
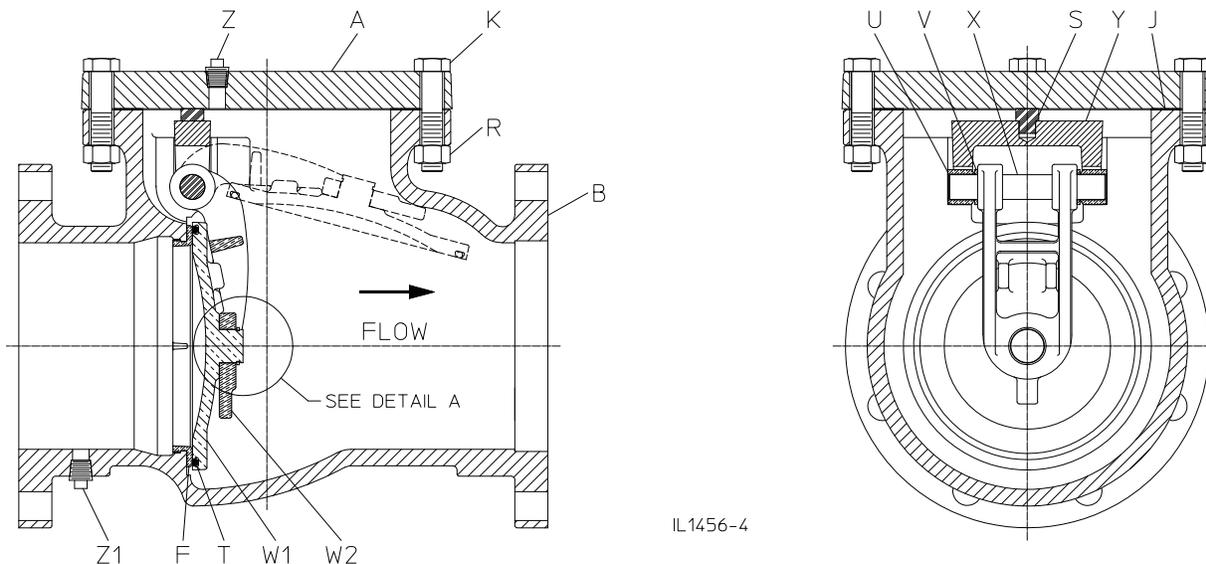
REF NO.	DESCRIPTION	2½"	3"	4"	6"	8"	10"	12"
A	Cover	\$184	\$462	\$462	\$508	\$959	\$1,497	\$2,032
B	Valve Body with Seat Ring (F)	\$2,041	\$3,401	\$3,401	\$3,618	\$6,479	\$10,756	\$12,044
J*	Cover Gasket	\$27	\$27	\$27	\$27	\$58	\$63	\$142
K/R	Bolt & Nut – (1 Bolt & 1 Nut)	\$6	\$6	\$6	\$11	\$16	\$16	\$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.

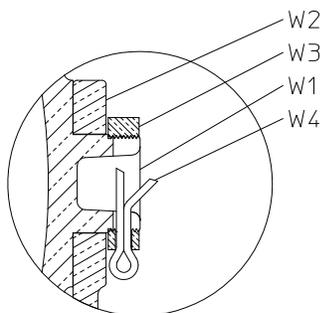
* When ordering REF#'s J or S they must be replaced at the same time per ENG.

NOTE:

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



3" THRU 6" SIZES



8" THRU 12" SIZES

DETAIL A
74
BidSync

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[Back to Index](#)

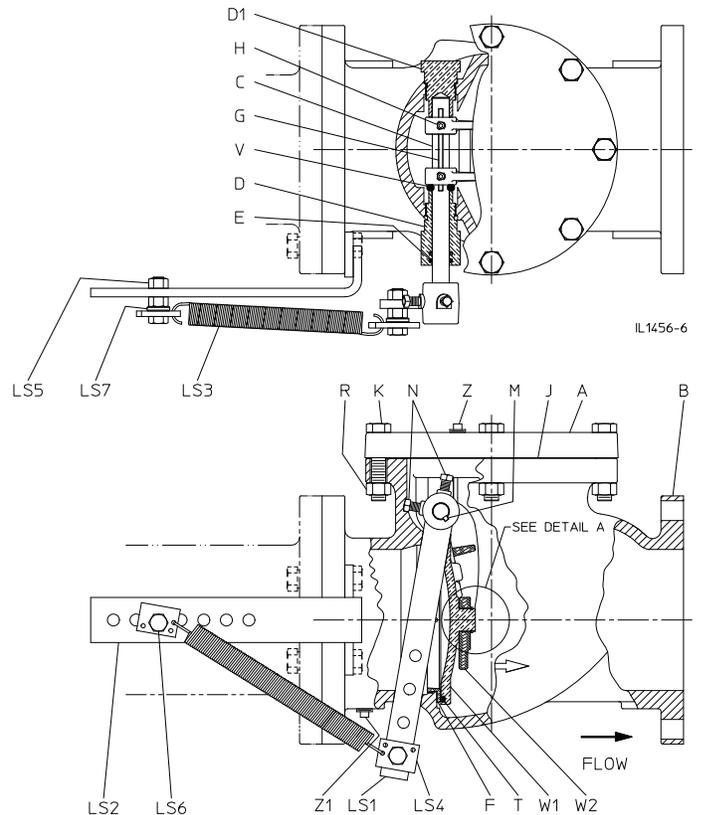
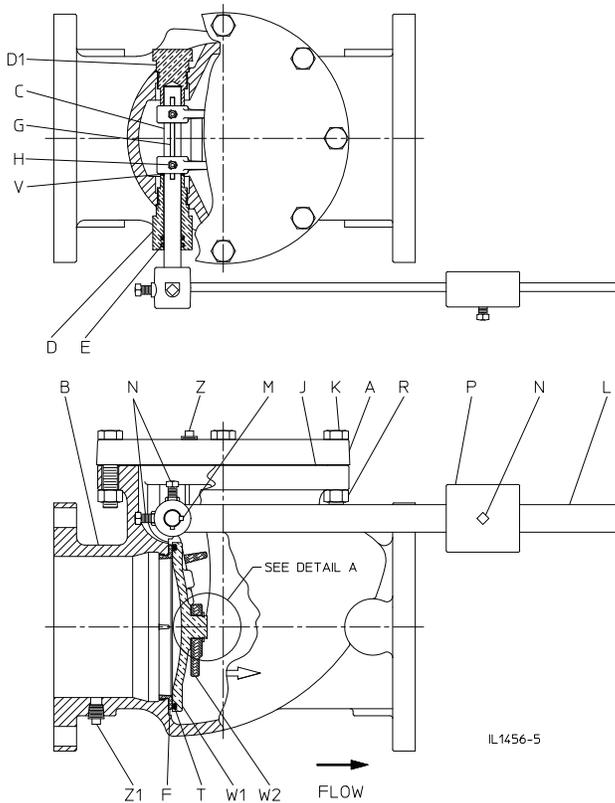


Check Valve Repair Parts

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.



O C W U T O O O 3 2

[Back to Index](#)



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
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LIST DEDUCT FOR B84B & PACER 250 HYDRANTS

Two Way - DD (No Pumper)	\$517
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[Back to Index](#)



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.

OCWUT 00032

[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

OCWUT00032

[Back to Index](#)



Indicator Posts

IP16 INDICATOR POSTS

MODEL	VALVE SIZE						LIST PRICE
	3"	4"	6"	8"	10"	12"	
	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	
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	
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 burried 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

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[Back to Index](#)



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

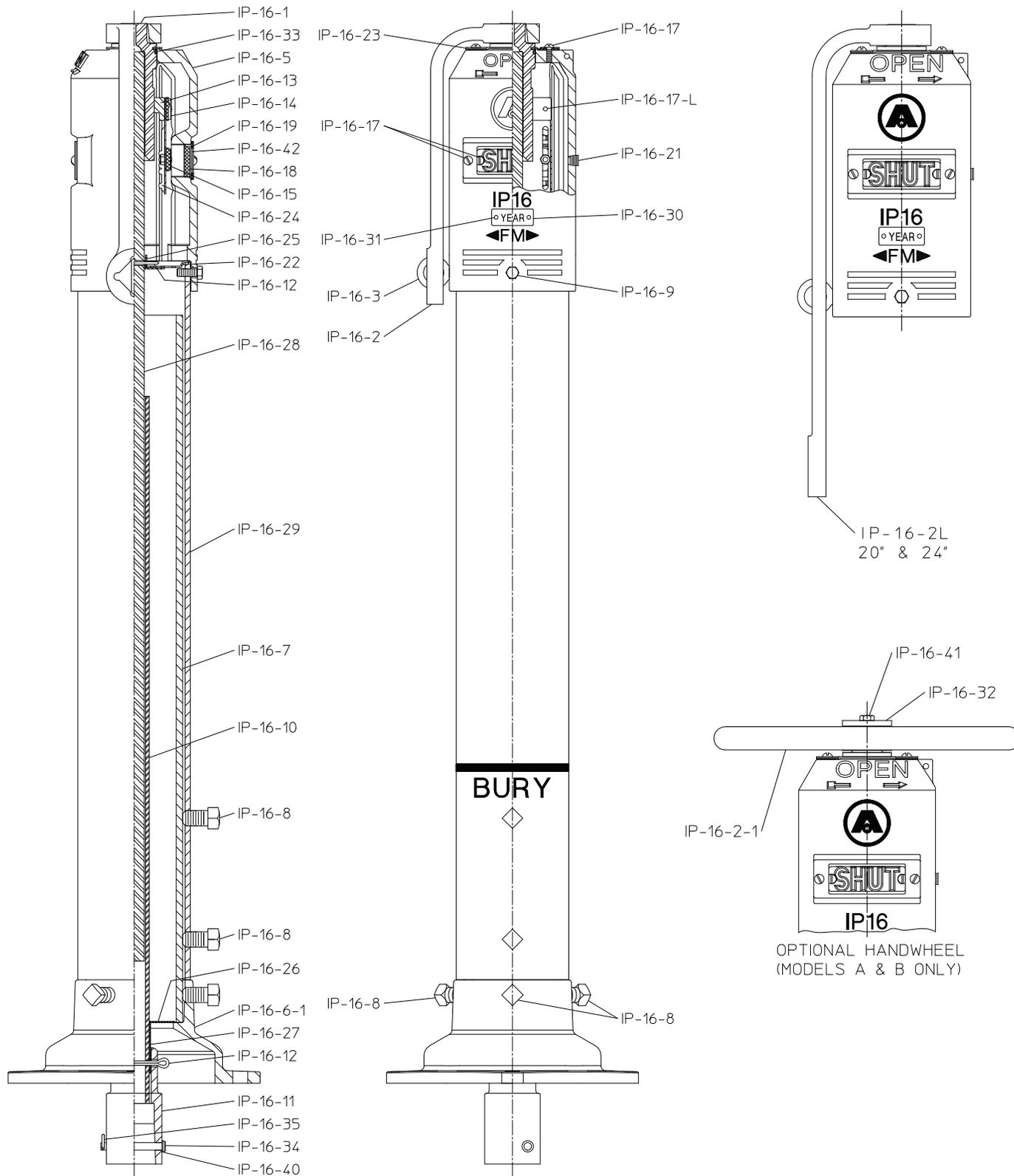
SIZE	POST ASSY	ROD WITH COUPLING	COUPLING W/SCREWS (27b)	COMPLETE
12"	\$891	\$539	\$109	\$1,812
Add for each addl 6"	\$95	\$25	-	\$151

OCWUT 00032



[Back to Index](#)

IP16 Indicator Post Parts



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OCWUT 00032

[Back to Index](#)

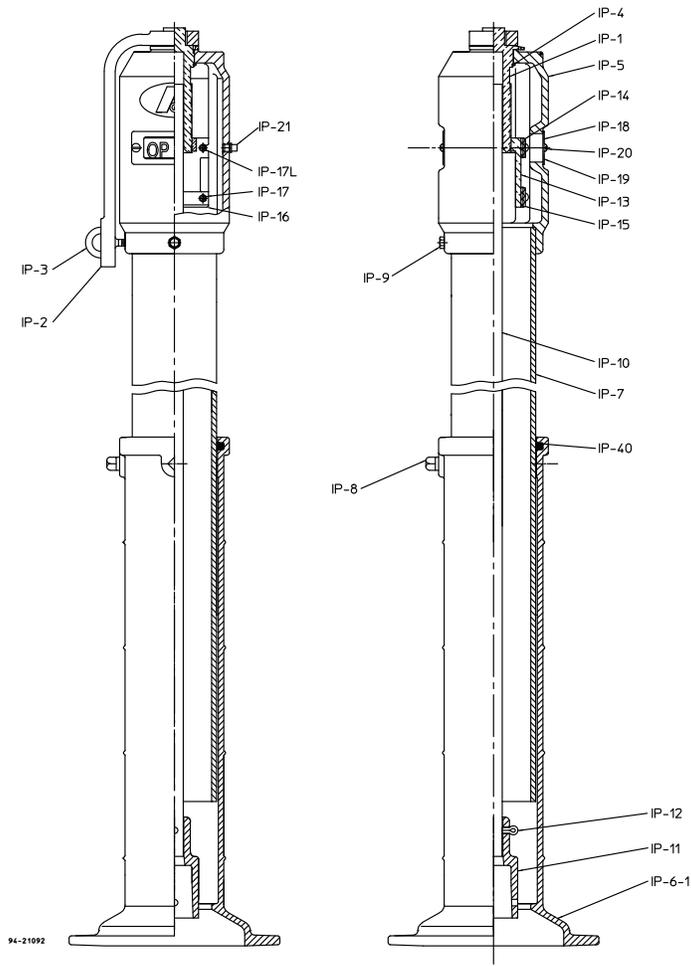


IP-71 Indicator Post Parts

PART #	NO. REQ'D	DESCRIPTION	PRICE
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

PART #	NO. REQ'D	DESCRIPTION	PRICE
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](#)



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

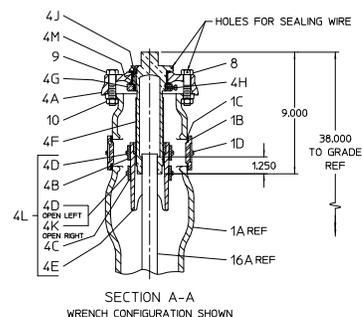
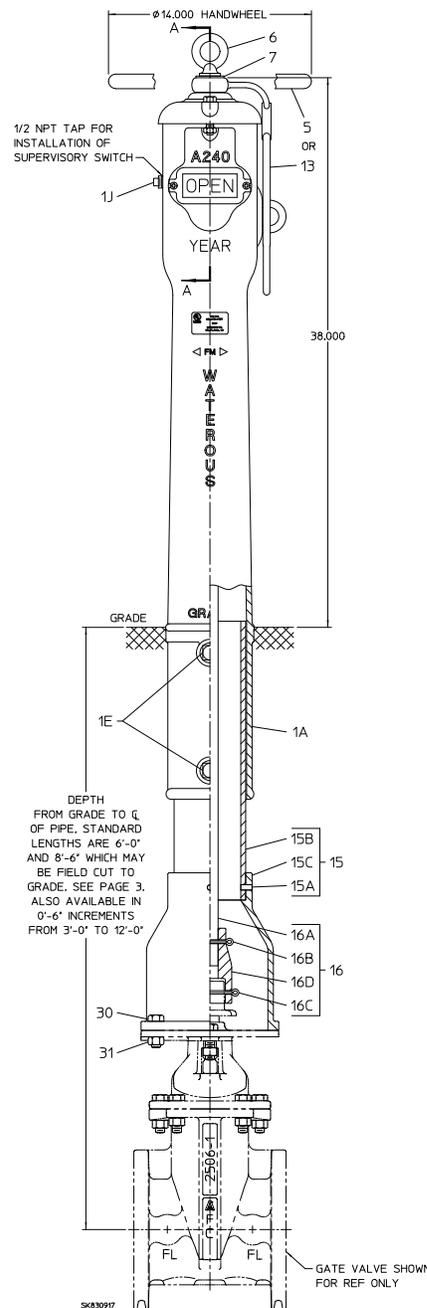
ACCESSORIES

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



O C W U T 0 0 0 3 2

[Back to Index](#)



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

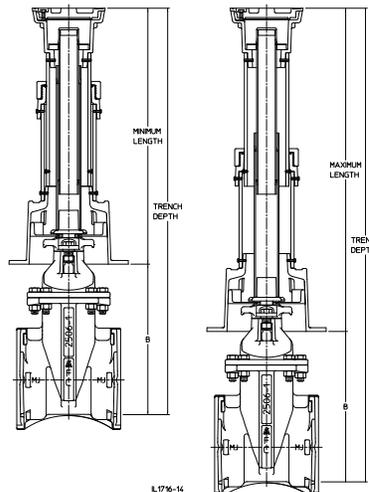
Optional Accessories: 2" Top Extension \$114

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	7
2½"	-	2	3	4	5	5	5,6	6	6	6	6,7	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	7
4"	-	1	3	4	4,5	5	5,6	6	6	6	6	7	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	7
8"	-	-	-	2	3,4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7
10"	-	-	-	1	2	3,4	4	5	5	6	6	6	6	7	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	7
14"	-	-	-	-	-	-	-	3	4	5	5	5	6	6	6	6	7	7	7	7
16"	-	-	-	-	-	-	-	-	3,4	4	5	5	6	6	6	6	7	7	7	7
18"	-	-	-	-	-	-	-	-	2,3	4	4	5	5	6	6	6	6	7	7	7
20"	-	-	-	-	-	-	-	-	-	2,3	4	4	5	5	6	6	6	6	7	7
24"	-	-	-	-	-	-	-	-	-	-	2	3	4	5	5	5	6	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	-	-
6"	7	8	8	8	8	8	8	8	9	8	9	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	9
10"	7	7	7	8	8	8	8	8	8	8	8	9	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	9
14"	7	7	7	7	7	8	8	8	8	8	8	8	8	8	9	9	9	9	9
16"	7	7	7	7	7	7	8	8	8	8	8	8	8	8	9	9	9	9	9
18"	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	9	9	9	9
20"	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	9	9	9
24"	6	7	7	7	7	7	7	7	8	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
SERIES 2500	10"	24.16
	12"	28.65
	14"	36.50
	16"	41.00
	18"	45.00
	20"	50.50
	24"	61.00

OCWUT 00032

[Back to Index](#)



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	-	-	-	-	-	-	-	-

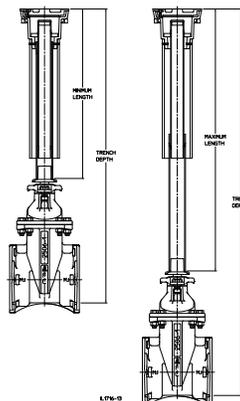
Optional Accessories: 2" Top Extension \$114

VALVE SIZE	TRENCH DEPTH AND MODEL NUMBER																		
	2'0"	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"	-	2A	3A,4A	4A	5A	5A	6A	6A	6A	6A	7A	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	7A
3"	-	2A	2A,3A	4A	5A	5A	5A,6A	6A	6A	6A	6A,7A	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	7A
6"	-	-	2A	3A	4A	4A,5A	5A	5A,6A	6A	6A	6A	6A	7A	7A	7A	7A	7A	7A	7A
8"	-	-	-	2A	3A,4A	4A	5A	5A	6A	6A	6A	6A	6A	7A	7A	7A	7A	7A	7A
10"	-	-	-	-	2A	3A,4A	4A	5A	5A	6A	6A	6A	6A	6A	7A	7A	7A	7A	7A
12"	-	-	-	-	-	2A,3A	3A,4A	4A,5A	5A	5A	6A	6A	6A	6A	7A	7A	7A	7A	7A
14"	-	-	-	-	-	-	-	3A	4A	5A	5A	5A	6A	6A	6A	6A	7A	7A	7A
16"	-	-	-	-	-	-	-	-	3A,4A	4A	5A	5A	6A	6A	6A	6A	7A	7A	7A
18"	-	-	-	-	-	-	-	-	2A	3A,4A	4A	5A	5A,6A	6A	6A	6A	6A	7A	7A
20"	-	-	-	-	-	-	-	-	2A	3A	3A,4A	4A	5A	5A	6A	6A	6A	6A	7A
24"	-	-	-	-	-	-	-	-	-	-	2A	3A	4A	5A	5A	6A	6A	6A	6A

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"	8A	8A	8A	8A	8A	8A	8A	8A	9A	-	-								
2½"	8A	8A	8A	8A	8A	8A	8A	8A	8A,9A	9A	-	-							
3"	8A	8A	8A	8A	8A	8A	8A	8A	8A	9A	-	-							
4"	8A	8A	8A	8A	8A	8A	8A	8A	8A	9A	-	-							
6"	7A	8A	9A	9A															
8"	7A	7A	8A	9A	9A														
10"	7A	7A	7A	8A	9A	9A													
12"	7A	7A	7A	7A	8A	9A	9A	9A	9A	9A	9A	9A							
14"	7A	7A	7A	7A	7A	8A	9A	9A	9A	9A	9A								
16"	7A	7A	7A	7A	7A	7A	8A	9A	9A	9A	9A	9A							
18"	7A	7A	7A	7A	7A	7A	7A,8A	8A	9A	9A	9A	9A							
20"	7A	7A	7A	7A	7A	7A	7A	8A	8	9A	9A	9A	9A						
24"	6A,7A	7A	7A,8A	8A	8A	8A	8A	8A	8	8A	8A	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



OCWUT 00032

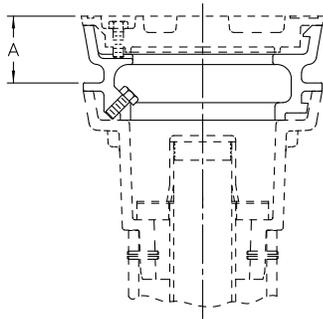
[Back to Index](#)



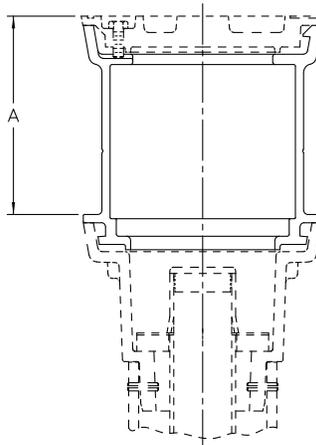
Trench Adapter Extensions

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

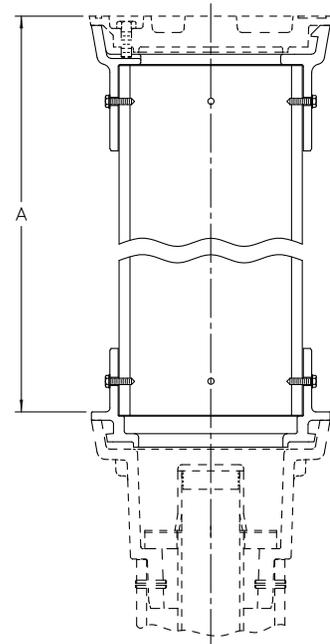
Subject to parts discount.



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

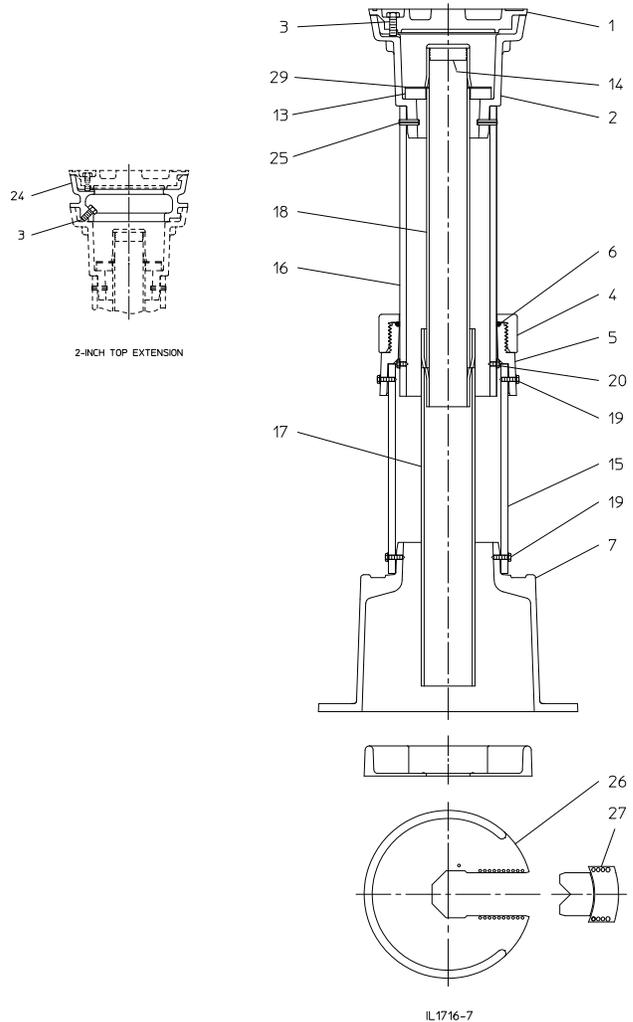
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[Back to Index](#)



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



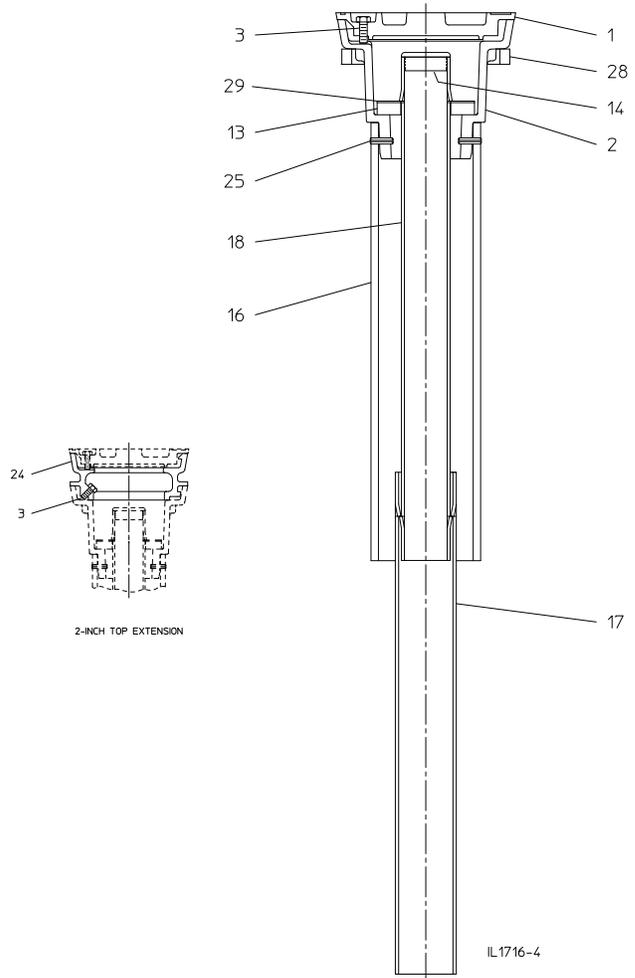
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[Back to Index](#)



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](#)



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

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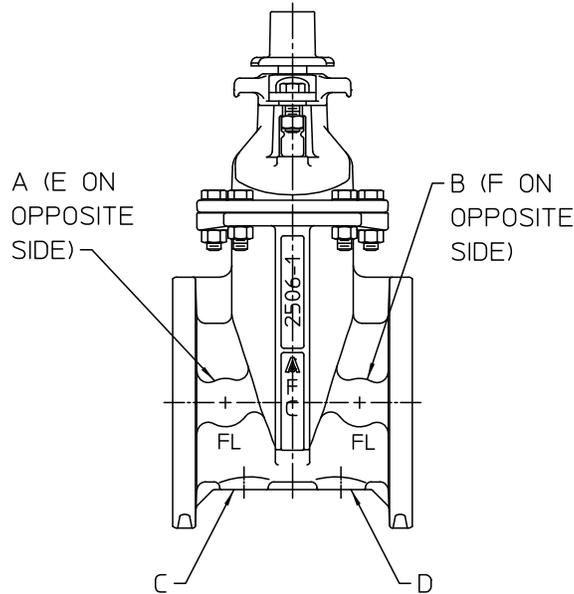
Series 2500/2500-1 Resilient Wedge Valve Body Tap Locations

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	X
¾" NPT	X	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	X
1½" NPT	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X
2" NPT	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X
2½" NPT	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	X
3" NPT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X

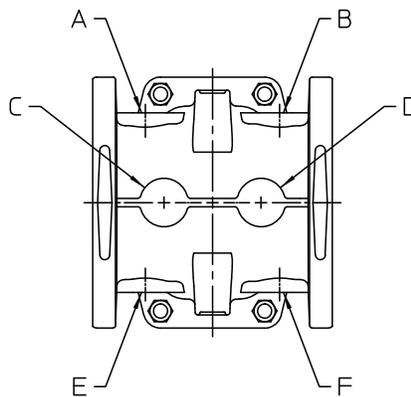
NOTES:

- 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

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[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	7¼" to 9"	2", 2½", 3"	\$888	\$16
2½	9¼" 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	19¼" to 22"	14", 16", 18"	\$3,977	\$29
5	26¼" 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

[Back to Index](#)



Weight Chart-Hydrant Extension Kits

GROUNDLINE EXTENSION KIT

LENGTH	4 1/2" MK-73 5 1/4" B-84-B	5 1/4" B-62-B 6" B-84-B	4" & 4 1/2" B-50-B	5" B-50-B 6 1/4" B-62-B	6" B-50-B	4 3/4" TREND (WB77) K479	5 1/4" PACER / 4 3/4" 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 1/4" B-62-B	6 1/4" B-62-B	4" & 4 1/2" 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 1/4" B-62-B	6 1/4" B-62-B	4" & 4 1/2" 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"

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[Back to Index](#)



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#	–	–	–

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[Back to Index](#)



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	SLEEVE 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#	-				

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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#

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[Back to Index](#)



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

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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

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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

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VAL-MATIC®

Effective May 1, 2017



Published Price List

Quarter-Turn Valves

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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.

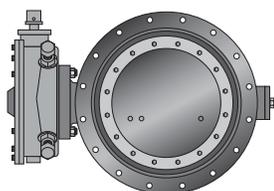
250B rated to 250 P.S.I.

Materials of Construction

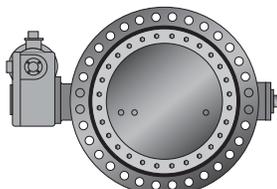
Body: Cast Iron (AWWA Class 150B) and Ductile Iron (AWWA Class 250B)
Ductile Iron Disc, Stainless Steel Shafts and Body Seat Ring, Resilient Seats



C USA
NSF/ANSI 372
Certified
Lead Free



Butterfly Valve for Buried Service



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

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.

OCWUT 00032

American BFV® 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

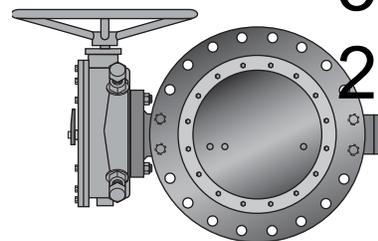
AWWA Class 150B

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.

OCWUT 00032

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

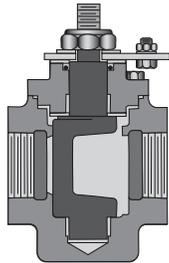


C USA
NSF/ANSI 372
Certified
Lead Free

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	 <p>Threading Plug Valve, Lever Actuated</p>  <p>Plug Valve with Worm Gear</p>
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	Contact Factory	10,452	5936R/8S02	Contact Factory	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	Contact Factory		5948R/8Z02	Contact Factory		
	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.

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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

OCWUT 00032

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	On App.	5836R/7S02	On App.	5836R/7S30C	On App.	10,452
	150	100	5836R/7V24		5836R/7V02		5836R/7V24C		
	150		5836R/7W36		5836R/7W02		5836R/7W36C		
42	100	50	5842R/7X30	On App.	5842R/7X02	On App.	5842R/7X30C	On App.	Contact Factory
	150	100	5842R/7Y36		5842R/7Y02		5842R/7Y36C		
	150		5842R/7Z18		5842R/7Z02		5842R/7Z18C		
48	100	50	5848R/7Z30	On App.	5848R/7Z02	On App.	5848R/7Z30C	On App.	Contact Factory
	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.



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	

O C W U T 0 0 0 3 2

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.

- Prices are firm for a period of 30 days following the date of this Order.
- 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.
- 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.
- 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.
- 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.
- Buyer shall reimburse Seller for all costs and expenses, including attorneys' fees and court costs, incurred in collecting any amounts due.
- 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.

- The proposed delivery date and performance schedule stated herein are Seller's best estimate and are not binding on Seller.
- 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.
- 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.
- 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.

- 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.
- 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 5/8/2024

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.

- 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.
- 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 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.
- 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.

- 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.
- 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.

- This Order shall be construed in accordance with the laws of the State of Illinois.
- 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.
- 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.
- 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.
- 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.
- 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.
- Note these commodities are licensed by the United States for Ultimate Destination. Diversion contrary to United States law is prohibited.
- 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.

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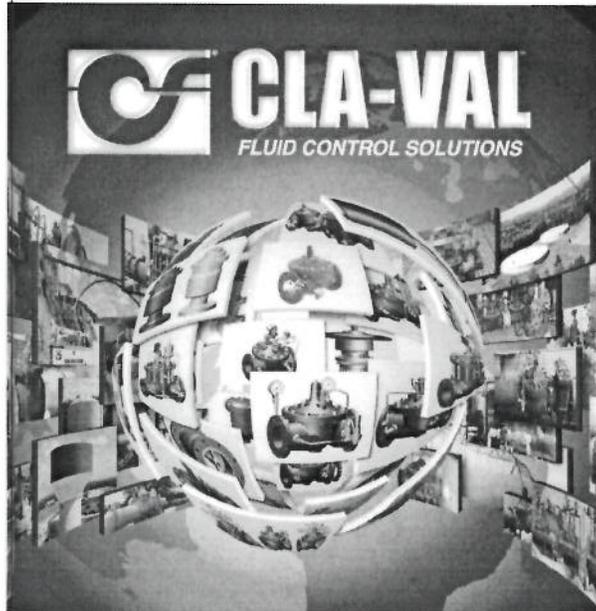
Item: **Group 4: Mechanical Joint Valves:Group 4: Mechanical Joint Valves:Group 4: Mechanical Joint Valves:Claval Altitude Valves**

Attachments

Claval Price Sheet 2016 1 1.pdf

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2016 GENERAL PRICE SHEETS



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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" 90-01ASKC

- 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	Description	Price Adder
A	X46 Flow Clean Strainer	\$ 63
Y	X43 "Y" Pattern Strainer	none*
B	CK2 Isolation Valves	\$ 130
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.

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.

**Suggested Price List - Excerpt
Effective April 1, 2016**

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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.

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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	63	†CF
CK2 ISOLATION VALVE	B	190	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	284	†CF
CV CLOSING SPEED CONTROL	C	207	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	207	†CF
CHECK VALVE WITH ISOLATION VALVE	D	276	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	1065	†CF
DURA-KLEEN® STEM	KD	†CF	149	149	200	220	249	262	287	300	325	695	3230	3580	3580	†CF
DELRI® SLEEVE STEM	KG	†CF	†CF	152	208	225	251	260	285	315	375	710	3242	3610	3610	†CF
ANTI-CAVITATION TRIM	KO	†CF	†CF	727	812	914	954	1642	2364	4349	6325	10835	19000	20692	20692	†CF
VITON™ RUBBER PARTS	KB	186	186	186	195	195	340	458	1004	4096	4891	†CF	†CF	†CF	†CF	†CF
SILICONE FREE ELASTOMERS	SILICONE FREE	135	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	193	220	224	267	499	499	†CF
UL POSITION INDICATOR	X101C	†CF	†CF	285	311	311	311	311	311	341	370	401	434	559	559	†CF
LIMIT SWITCH ASSEMBLY WEATHER - PROOF SINGLE SWITCH	X105LCW	595	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	865	†CF
LIMIT SWITCH ASSEMBLY EXPLOSION - PROOF SINGLE SWITCH	X105LCX	865	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	1363	†CF
VALVE POSITION TRANSMITTER	X117C	2319	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	3149	†CF
LOCKING SECURITY CAP - SMALL & LARGE & CV CAP	X140-	156	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	100	†CF
STAINLESS STEEL TUBING & FITTING **	Stainless Steel Tubing and Fitting	417	417	417	417	417	417	417	417	501	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	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.

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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	695	695	695	695	695	695	695	695	†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 POWERROL 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. 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.

OCWUT 00032

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	659	---	20
2	583	736	811	35
2 1/2	878	896	1117	50
3	906	1030	1135	70
4		1817	1999	140
6		2965	3261	285
8		5456	5002	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

100-01 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

100-02 Powerrol 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

100-03 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	---	3602	4492	285
8	---	6739	7760	500
10	---	11392	13020	780
12	---	14970	16043	1165
14	---	*CF	*CF	1600
16	---	33704	34034	2265

*Consult Factory

OCWUT 00032

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	10844	11929	290
10	15439	16866	419
12	26210	27810	728

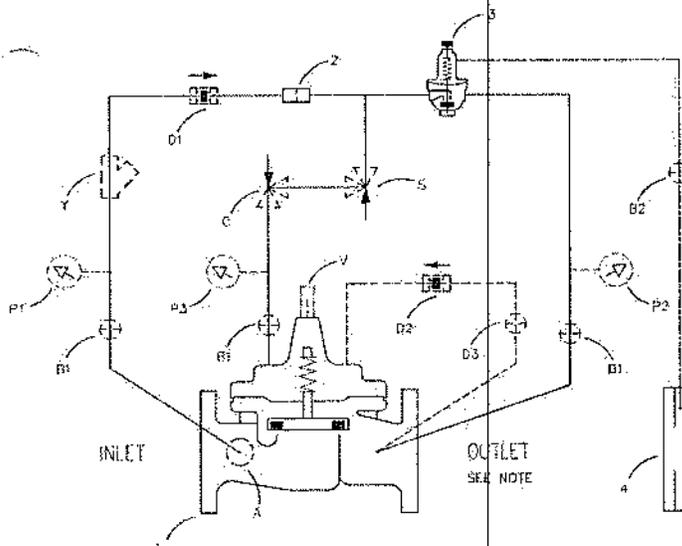
100-42 Roll Seal Valve						
Used in 700 Series Valves - 316L stainless steel body and natural rubber liner as standard						
Size	Wafer/Flanged 125/150 Lb.	Wafer/Flanged 250/300 Lb.	Grooved 300 psi MOP	No Bolts or Flanges	Wt/ 150 Lb.	Wt/ 300 Lb.
2	\$ 845	\$ 857	---	\$ 829	4	4
3	1178	1225	---	1164	8	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™

O C W U T 0 0 3 2



BASIC COMPONENTS

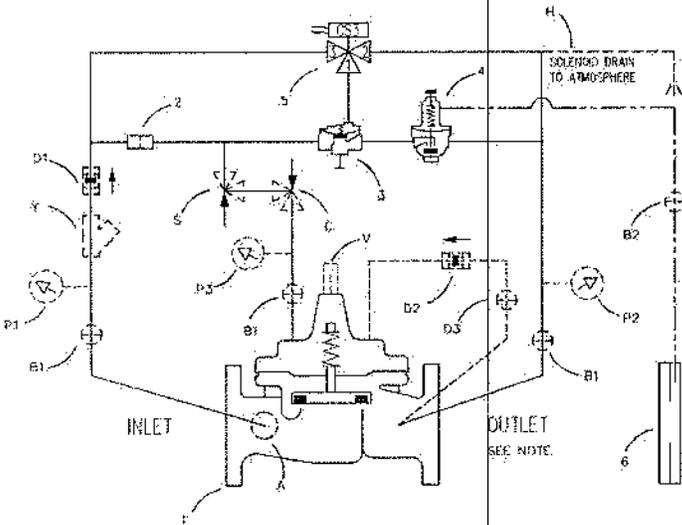
- 1 100-01 Hytrol (Main Valve)
- 2 X58C Restriction Fitting
- 3 CDHS18 Differential Control
- 4 X52E Orifice Plate Assembly

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	\$ 4058	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

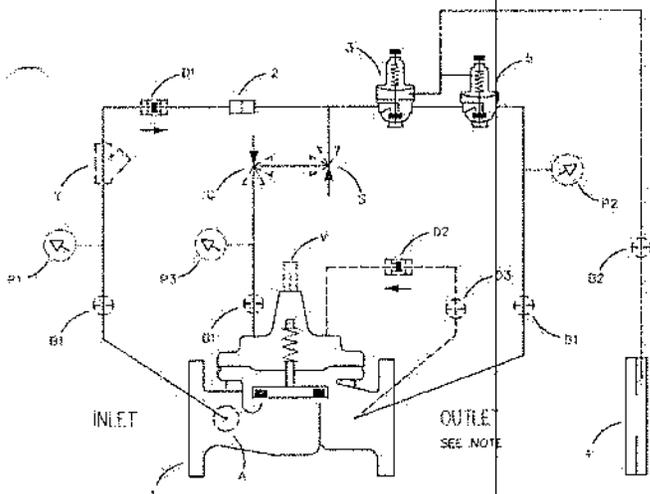
- A X46A Flow Clean Strainer
- B CK2 Valve (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with Isolation Valve
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

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

8 Copper/Brass Pilot to SST

O C W U T 0 0 0 3 2



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	8951	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

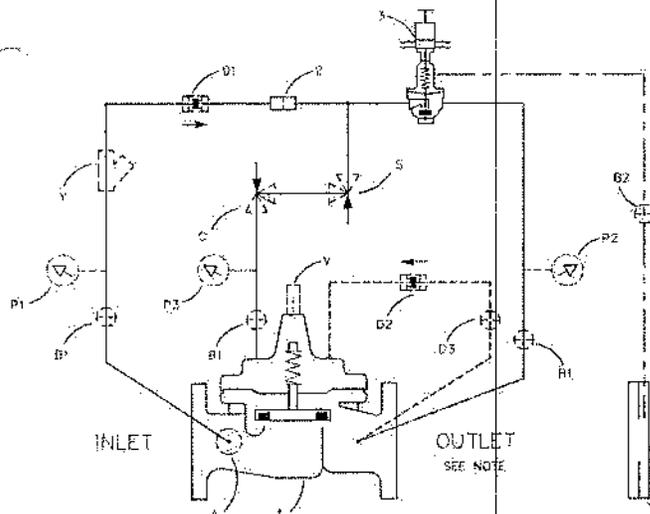
Optional Features: See Page 3

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

O C W U T 0 0 3 2

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	27754	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

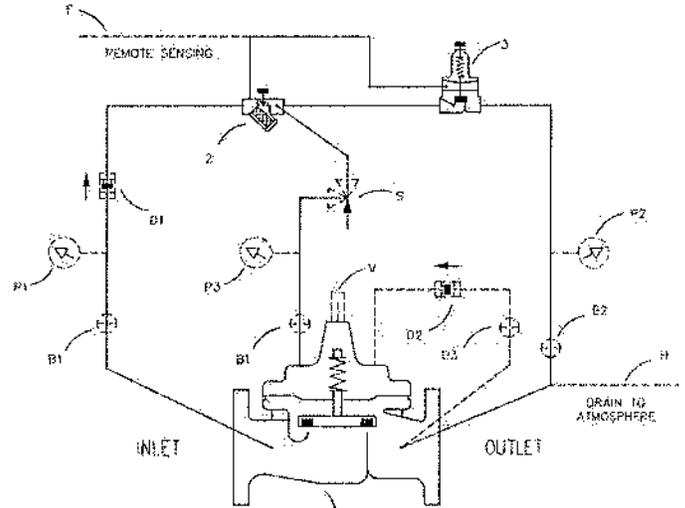
For adjustment range of 100-300 psi add \$ 184

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	1621	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

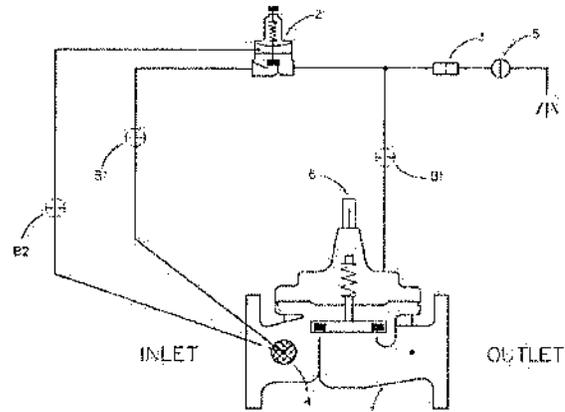
Adjustment Ranges: 0-75, 20-105, 20-200 psi

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



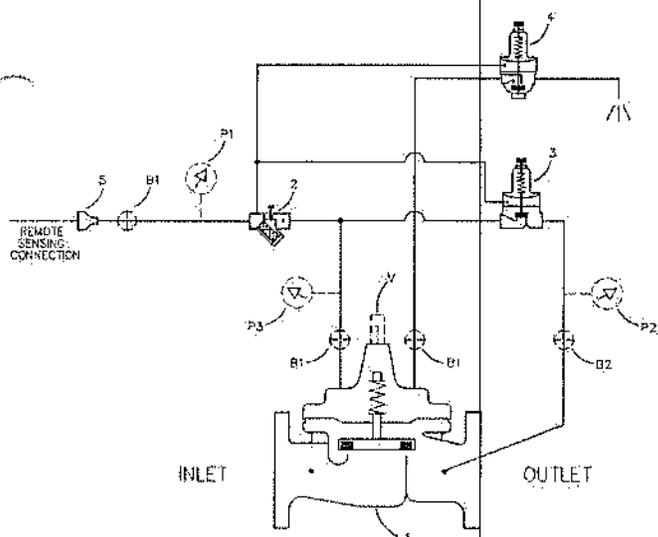
BASIC COMPONENTS

- 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)

OCWUT 00032



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.

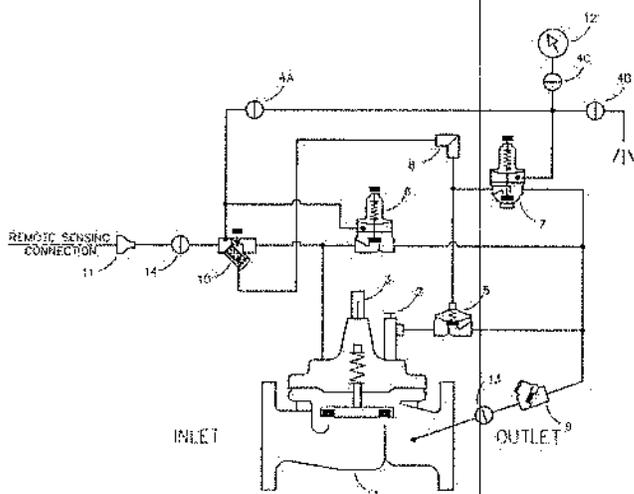
Pressure Sustaining Control (CRL) 0-75, 20-105, 20-200 psi.

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

OCWUT 00032

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	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 \$382

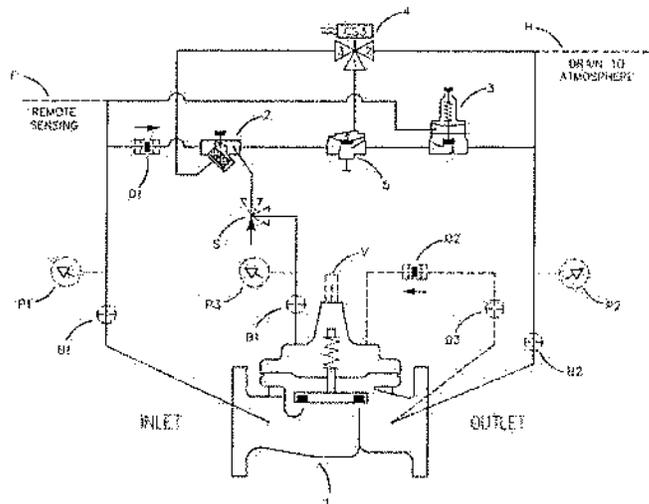
Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC

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

For manual operator add \$ 8th

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

- 100-01 Hytrol (Main Valve)
- X42N-3 Strainer Needle Valve
- CRL-60 Pressure Relief Control
- CS3 Solenoid Control
- 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

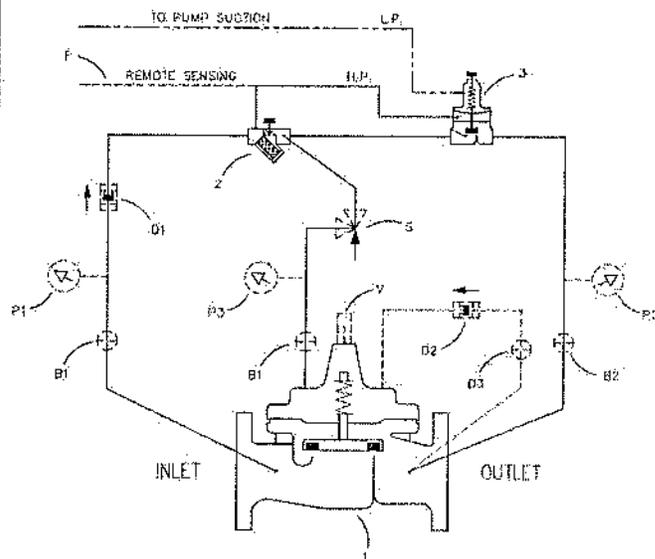
Size	Threaded 300 Lb	Flanged 150 Lb	Flanged 300 Lb	Wt/Lb
1	\$ 1597	\$ ---	\$ ---	30
1-1/4	1597	---	---	30
1-1/2	1599	1715	---	35
2	1626	1787	1859	45
2-1/2	1945	2056	2277	60
3	1952	2081	2184	80

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

Size	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

- 100-01 Hytrol (Main Valve)
- X42N-2 Strainer Needle Valve
- 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

OCWUT 0032

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†	\$3762	\$---	\$---	---
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

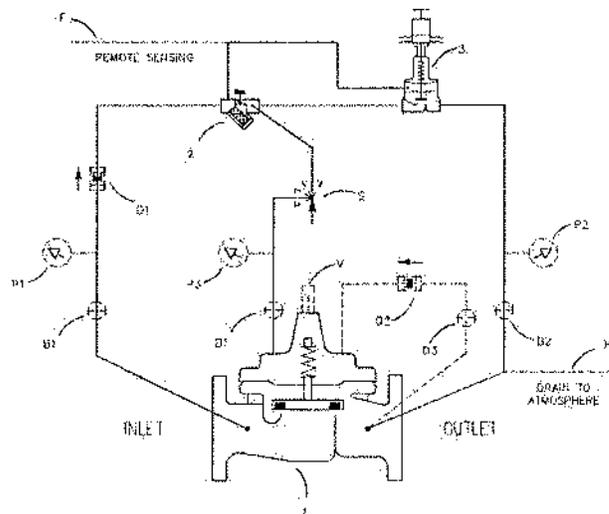
18, 20, 24, 30, 36

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:

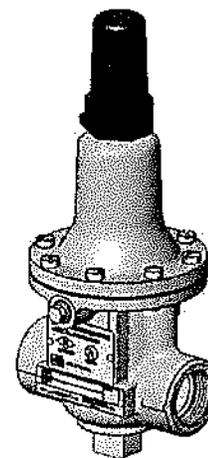
- B CK2 (Isolation Valves)
- D Check Valves with Isolation valve
- F Remote Sensing
- H Drain to Atmosphere
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve-Position Indicator

Direct Acting Pressure Relief Valve

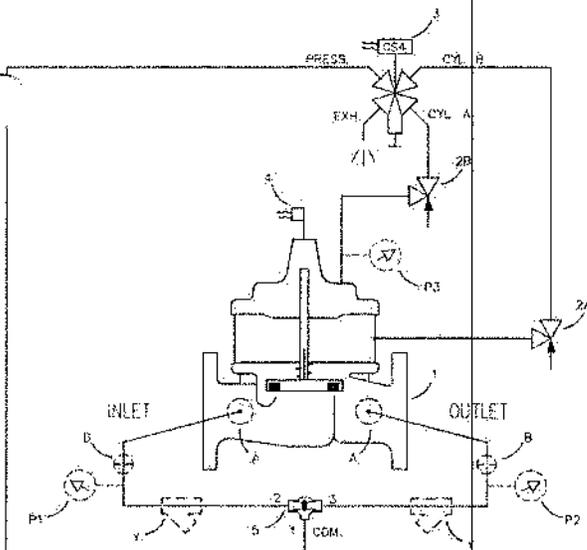
55B-60 Valves

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

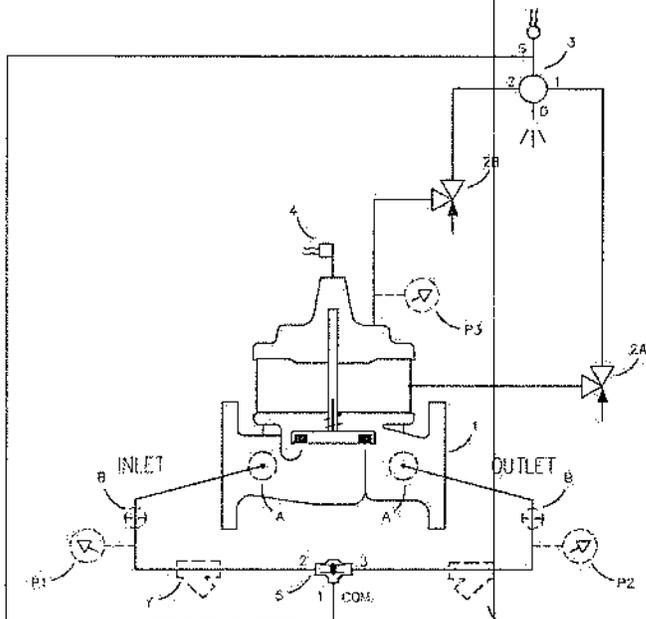
OPTIONAL FEATURES

- 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

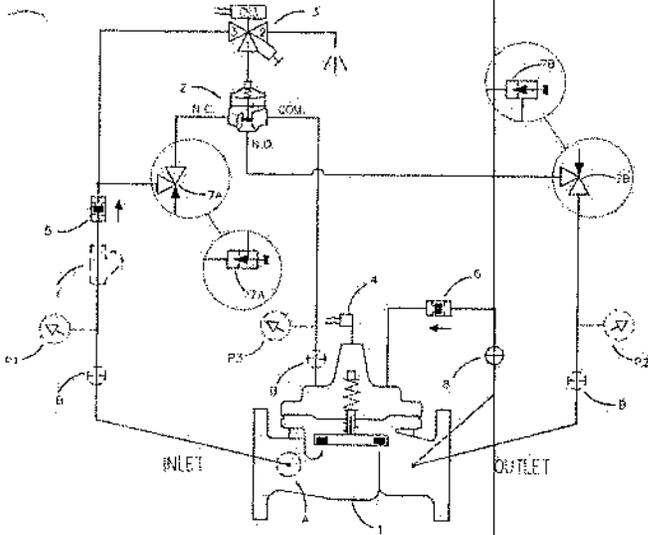
- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- P X141 Pressure Gauge
- Y X43 "Y" Strainer

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

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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	W/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.	W/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

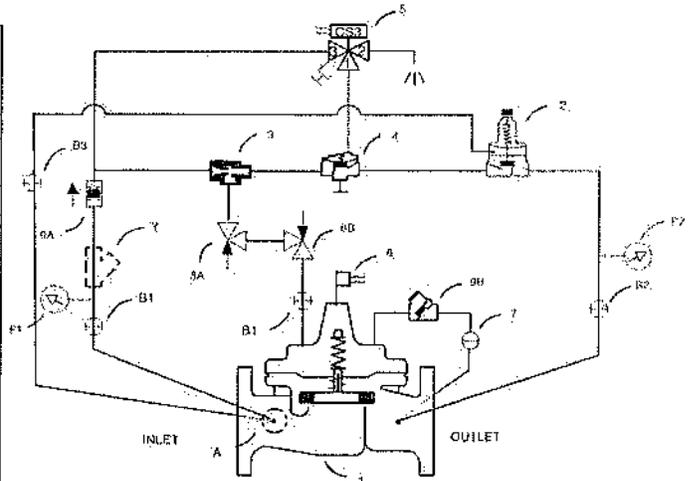
Consult Factory

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 CS3M 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

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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

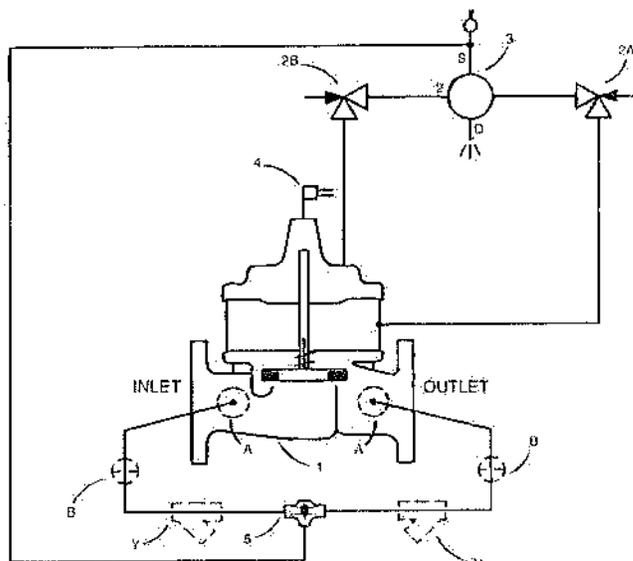
CSM-11 Solenoid Voltage Available: 120, 240, 480 Volts, 60-cycle alternating current.

*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	5776	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				

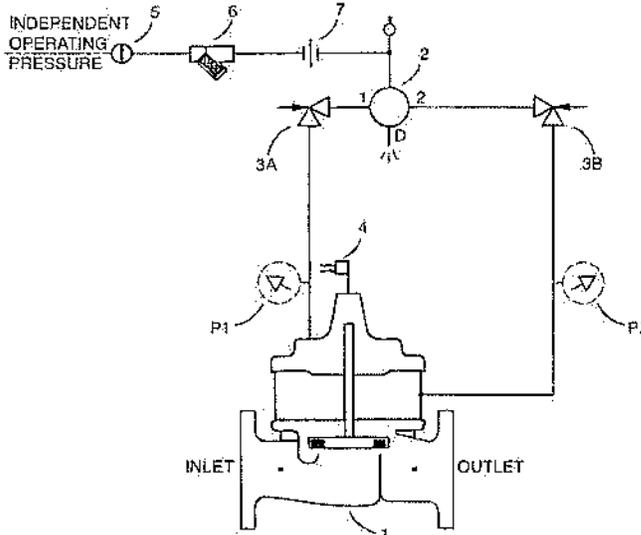
Optional Features: See Page 3

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.



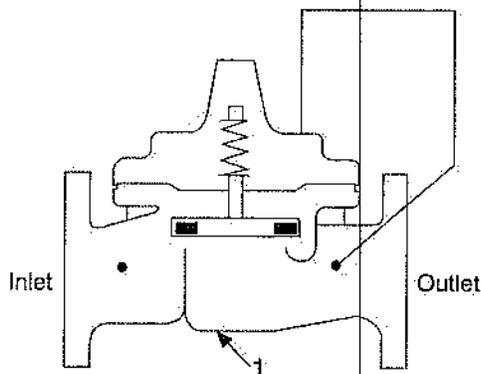
BASIC COMPONENTS

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

OPTIONAL FEATURES

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

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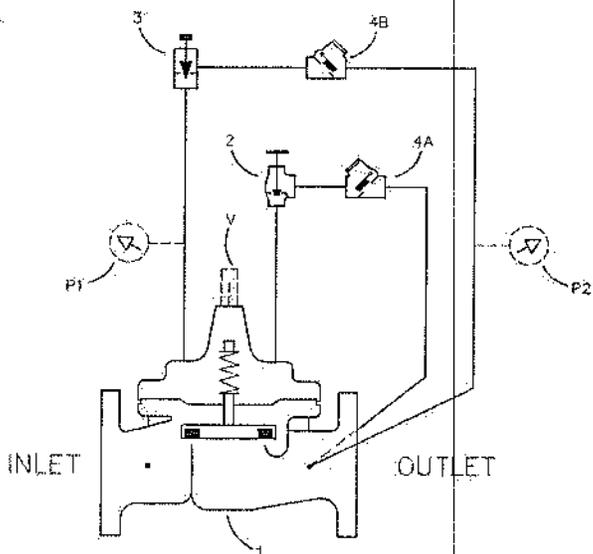


BASIC COMPONENTS
1 100-01 Hytrol (Reverse Flow)

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	600	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

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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

90-01 Pressure Reducing Valve

Uses 100-01 Hytrol Valve.

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

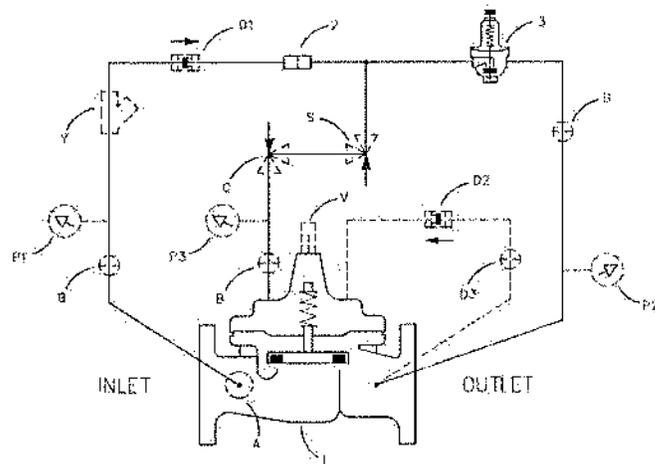
Size	Threaded 300 Lb	Flanged 150 Lb	Flanged 300 Lb	SST Pilot Adder	Wt/Lb.
1	\$ 1317	\$ ---	\$ ---	1075	---
1-1/4	1317	1422	---	1075	30
1-1/2	1317	1429	---	1075	35
2	1350	1881	1756	1075	45
2-1/2	1667	1762	1863	1075	60
3	1679	1301	1904	1075	80

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	3675	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



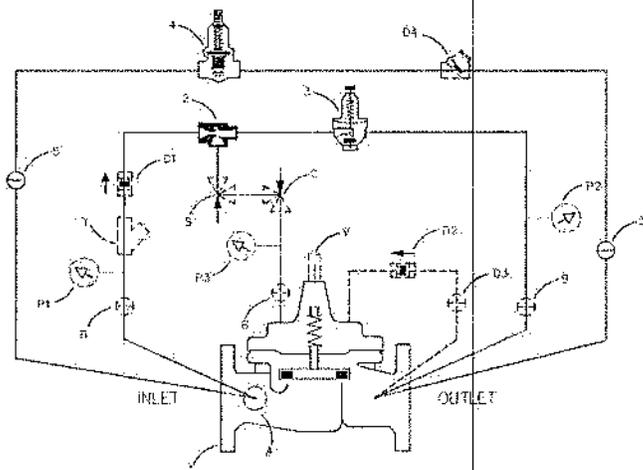
BASIC COMPONENTS

- 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	4264	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

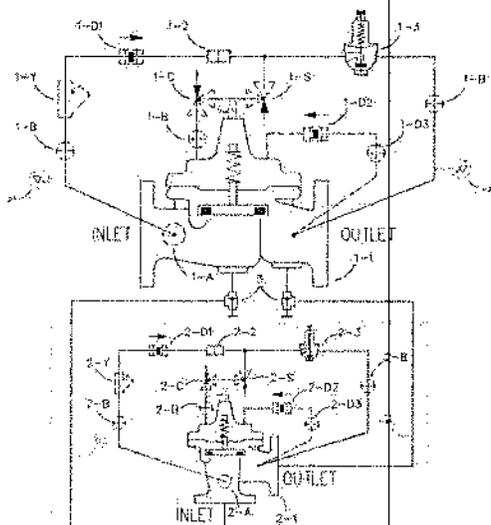
Adjustment Ranges CRD: 2-30, 15-75, 20-105, 30-300 psi

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

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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	350
8		8943	9469	1300	655
10		11397	12153	1300	845

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

BASIC COMPONENTS

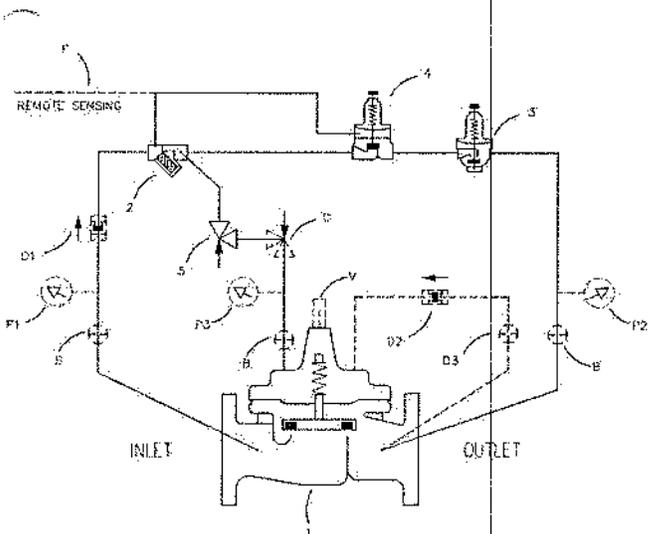
- 1 90-01 Pressure Reducing Valve
- 1-1 Hytrol (Main Valve)
- 1-2 X58C Restriction Tube Assembly
- 1-3 CRD Pressure Reducing Control
- 2 90-01 Pressure Reducing (Bypass)
- 2-1 2100-01 Hytrol, Angle (Main Valve)
- 2-2 X58C Restriction Tube Assembly
- 2-3 CRD Pressure Reducing Control
- 3 CGA Angle Valve

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

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



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

BASIC COMPONENTS

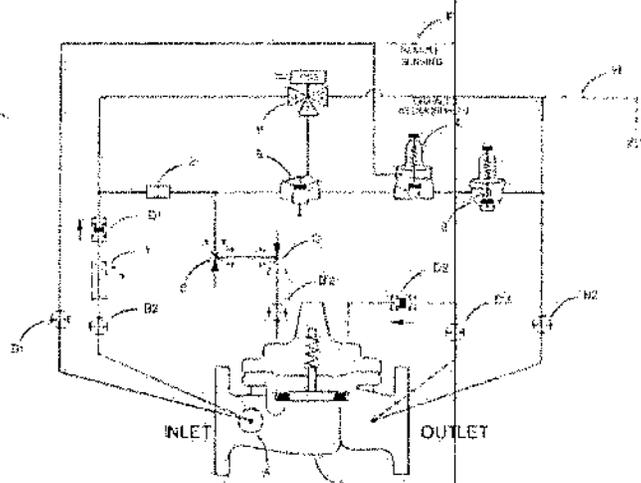
- 1 100-01 Hytrol (Main Valve)
- 2 X44A Strainer & Orifice
- 3 CRD Pressure Reducing Control
- 4 CRL-60 Pressure Relief Control
- 5 CV Flow Control - Opening

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

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

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- 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

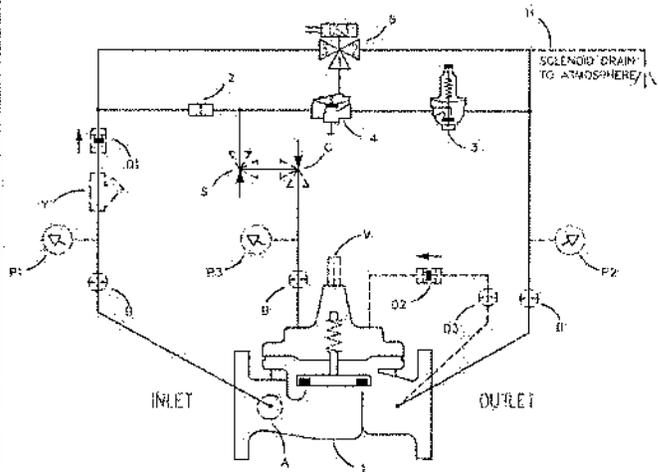
Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST

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.

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
18, 20, 24, 30, 36		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

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94-01 Combination Pressure Reducing and Surge Control Valve

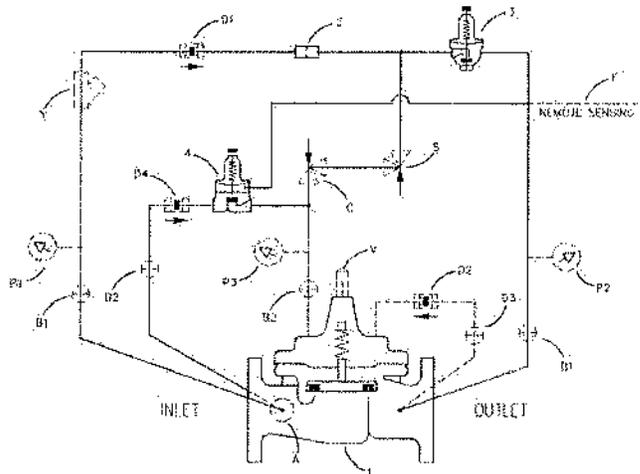
94-01AS Ductile Iron Body, Bronze Trim

Size	Threaded 300 Lb.	Flanged 150 Lb.	Flanged 300 Lb.	SST Pilot Adder	W/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	W/Lb.
4		\$ 2995	\$ 3259	1675	165
6		4248	4998	1675	310
8		7020	8041	1750	525
10		10890	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**
- 1 100-01 Hytrol (Main Valve)
 - 2 X58C Restriction Tube Fitting
 - 3 CRD Pressure Reducing Control
 - 4 CRLKR Pressure Relief 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 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

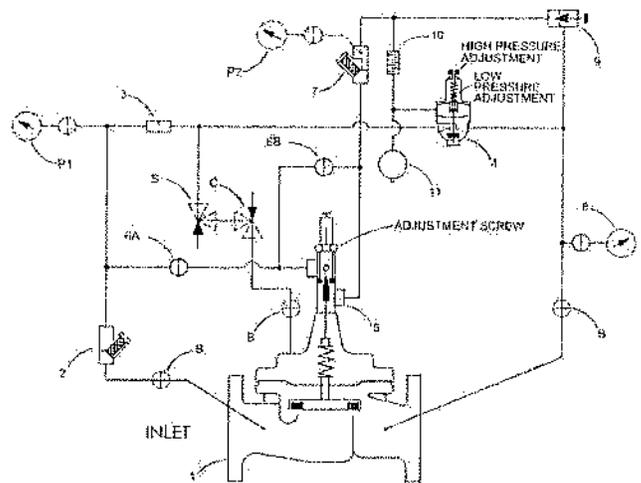
98-06B Ductile Iron Body, Bronze Trim
Includes Opening Speed Control

Size	Threaded 300 Lb	Flanged 150 Lb	Flanged 300 Lb	W/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	W/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)
 - 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

- OPTIONAL FEATURES**
- 9 6120 Needle Valve
 - 10 X56E Restriction Assembly
 - 11 Accumulator (Air Charged)
 - B CK2 (Isolation Valve)
 - C CV Flow Control (Closing)
 - P X141 Pressure Gauge
 - S CV Flow Control (Opening)

OCWUT 0032

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

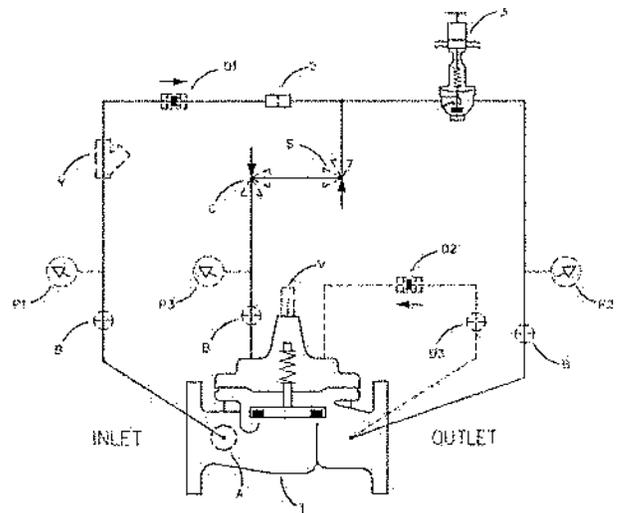
Size	Flanged 150 Lb	Flanged 300 Lb	Wt/Lb
4	\$4507	\$4685	150
6	5803	6091	295
8	8230	8764	510
10	10743	11525	790
12	16193	16730	1175
14	26573	28513	1600
16	28153	29425	2265

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 \$192



BASIC COMPONENTS.

- 1 100-01 Hytrol (Main Valve)
- 2 X58C Restriction Fitting
- 3 CRD34 Pressure Reducing Control

OPTIONAL FEATURES

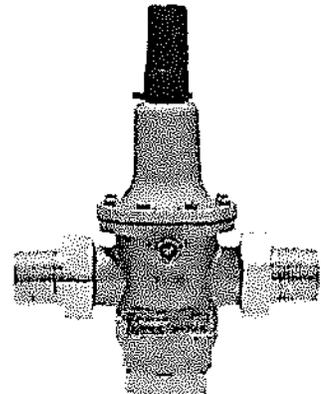
- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with (Isolation valve)
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

CRD-L

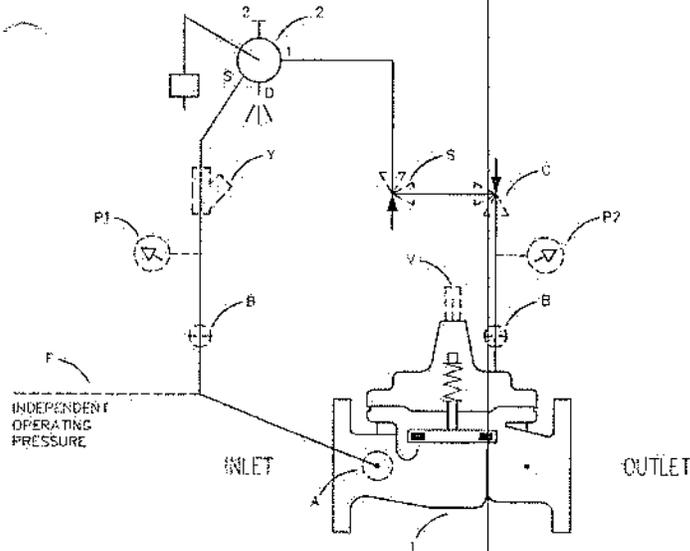
Direct Acting Pressure Reducing Valve

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



OCWUT 00032



- 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

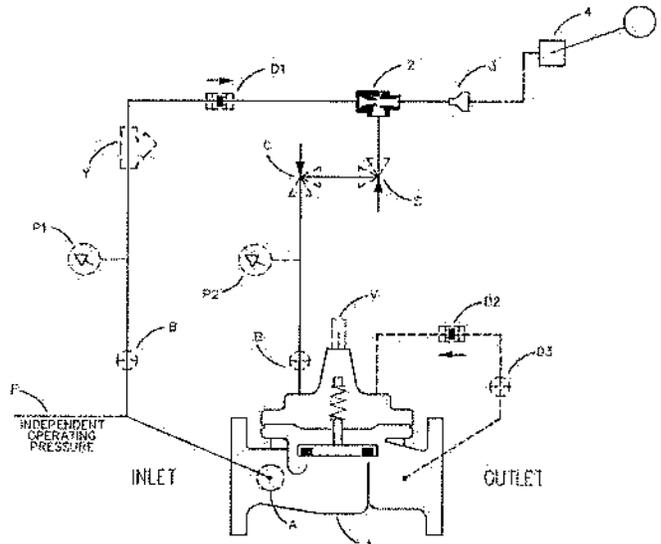
124-01 Float Valve Open/Closed Type 6" and Smaller Uses 100-01 Hytrol Valve				
124-01A Bronze Body, Bronze Trim				
Size	Threaded 300 Lb	Flanged 150 Lb	Flanged 300 Lb*	Wt/Lb
1/2	\$ 694			8
3/4	694			8
124-01A Ductile Iron Body, Bronze Trim 3" and smaller				
124-01Y Ductile Iron Body, Bronze Trim 4" 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		

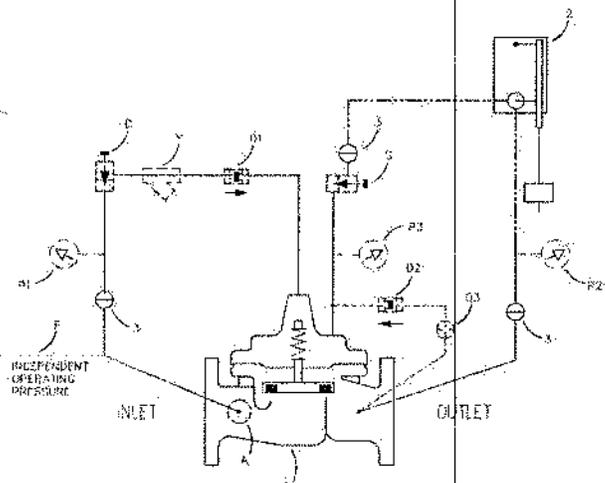
Optional Features: See Page 3



- BASIC COMPONENTS**
 1 100-01 Hytrol (Main Valve)
 2 X47A Ejector
 3 Ball 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

OCWUT 00032



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	W/Lb
1-1/2	\$ 2162	\$ 2236	\$ ---	15
2	2183	2247	2322	35
2-1/2	2412	2431	2653	50
3	2416	2542	2646	70
428-01Y • 428-03Y Ductile Iron Body, Bronze Trim				
Isolation Valve Included				
Size		Flanged 150 Lb	Flanged 300 Lb	W/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

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).

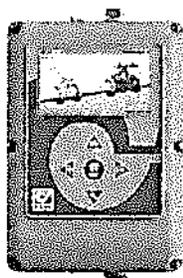
OPTIONAL FEATURES

- 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

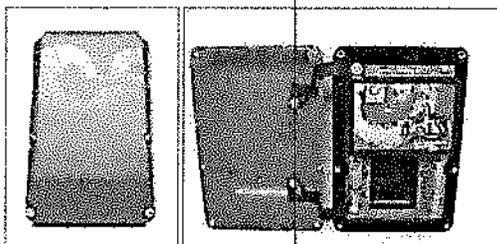
Add price of SST Pilot to list price of valve to change from Standard Copper/Brass Pilot to SST



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

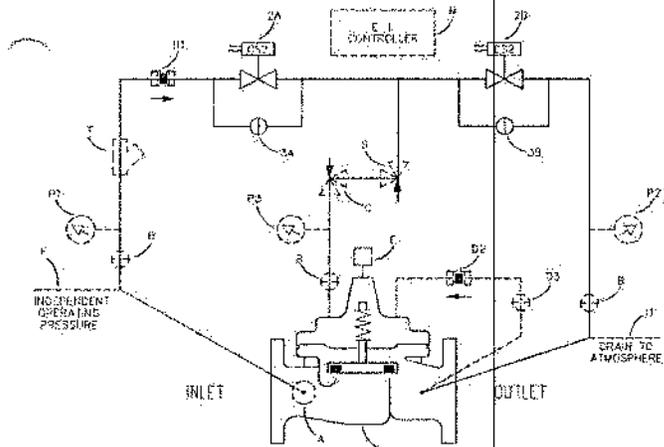


Complete EPC-1 Assembly*

Part Number	Price
20875504C	\$105.00

* For Applications with Low Power Requirements

O C W U T 0 0 3 2



BASIC COMPONENTS

- 1 100-01 Hytrol (Main Valve)
- 2 CS2 Solenoid Control
- 3 CK2 (Isolation valve) (Solenoid Bypass)

OPTIONAL FEATURES

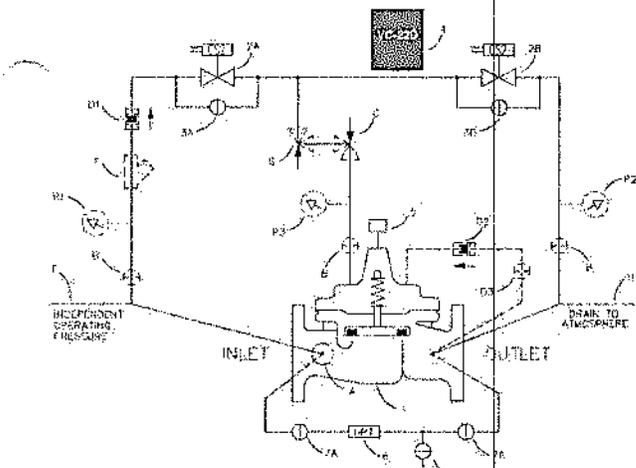
- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)

- C CV Flow Control (Closing)
- D Check Valves with (Isolation valve)
- E X117D Position Transmitter
- F Independent Operating Pressure
- H Atmospheric Drain
- N 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	1671	2027	2131	410	75
131-01BY Ductile Iron Body, Bronze Trim					
Size		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) (Solenoid Bypass)
- 4 VC-22D
- 5 X117D Position Transmitter
- 6 Differential Pressure Transmitter
- 7 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		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			

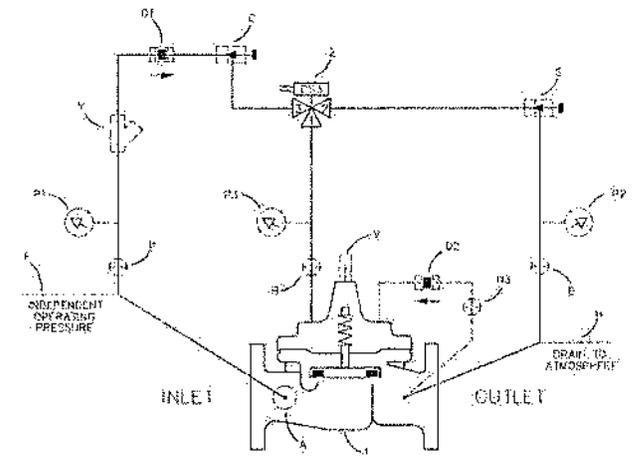
Optional Features: See Page 3
 For E feature add prices for X117D - See page 48
 Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240; 480 volt 60 cycle AC; 6, 12, 24, 48; 120, 240 Volt DC
 For explosion-proof, water-tight solenoids add \$ 153 (2)

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

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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	1950	450	55
3	1218	1275	2254	450	85
4	---	2140	CF	450	145

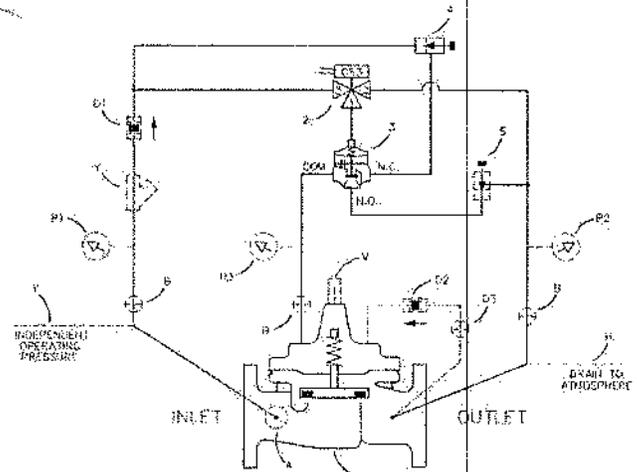
Optional Features: See Page 3
Voltage Available: 24, 110, 220, 240 Volt 50-cycle AC; 24, 120, 240, 480 volt 60 cycle AC; 6, 12, 24, 48, 120, 240 Volt DC
For explosion-proof, water-tight solenoid add \$77
For manual operator add \$54
For CNA opening speed control or closing speed control add \$107
Specify "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

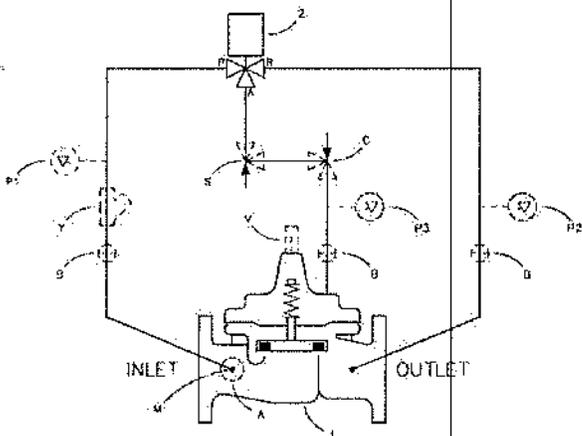


136-03 Solenoid Control Valve					
With High Capacity Control System for Rapid Operation					
Uses 100-01 Hytrol Valve					
136-03BY Ductile Iron Body, Bronze Trim					
Size	Threaded 300 Lb	Flanged 150 Lb	Flanged 300 Lb*	SST Pilot Adder	Wt/Lb
3	\$ 2284	\$ 2355	\$ 2529	1140	68
4	---	2902	3081	1140	150
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

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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)
- 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

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

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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

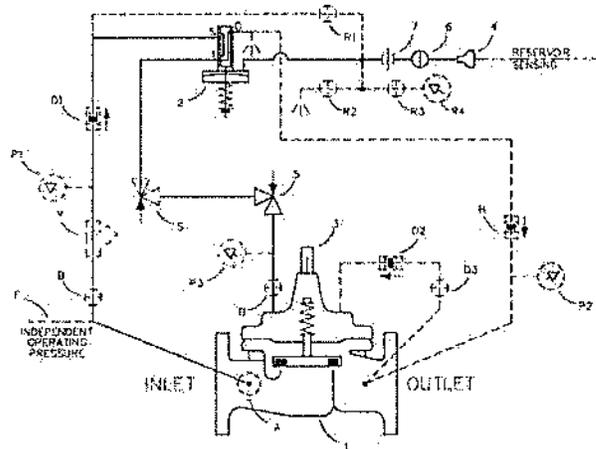
211-01BY Ductile Iron Body, Bronze Trim

Size	Threaded 300 Lb	Flanged 150 Lb	Flanged 300 Lb	SST Pilot Adder	Wt/Lb
4	---	\$ 4672	CF*	950	210
6	---	5814	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

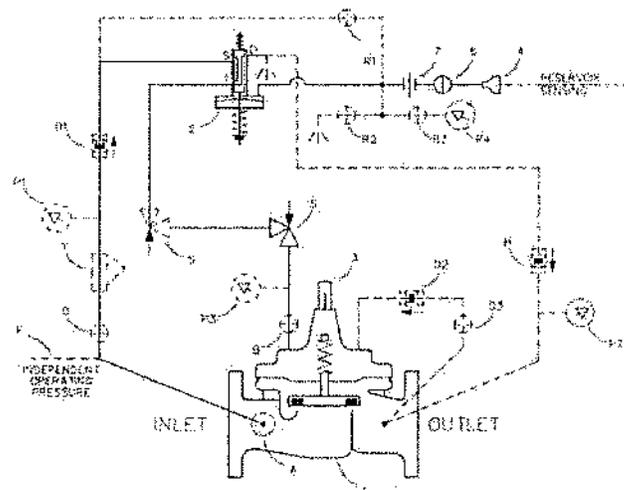
211-03BY Ductile Iron Body, Bronze Trim

Size	Threaded 300 Lb	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



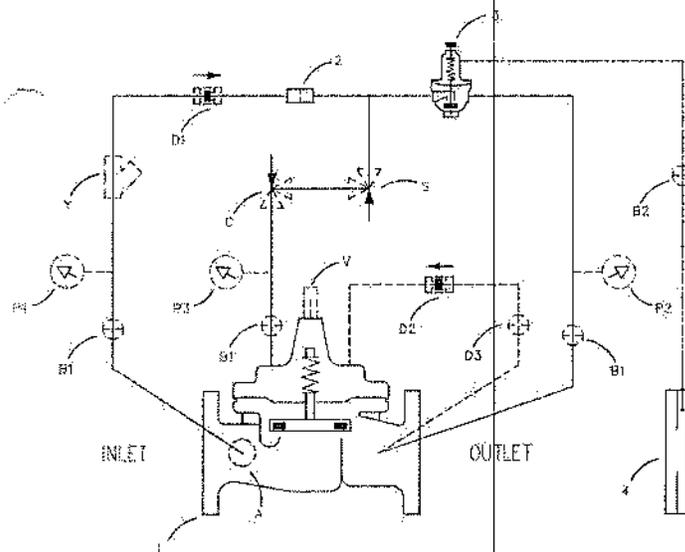
BASIC COMPONENTS

- 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

OCWUT 00032



BASIC COMPONENTS

- 1 100-20 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 (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

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	W/Lb
3	---	CF*	725	70
4†	---	CF*	725	100

640-01BY Ductile Iron Body, Bronze Trim

Size	Flanged 150 Lb	Flanged 300 Lb	SST Pilot Adder	W/Lb
6†	---	CF*	1050	180
8†	---	CF*	1115	300
10	---	CF*	1115	485
12	---	CF*	1115	830
14	---	CF*	1115	1250
16	---	CF*	1115	1300
18	---	CF*	CF*	2733
20	---	CF*	CF*	2800
24	---	CF*	CF*	3000

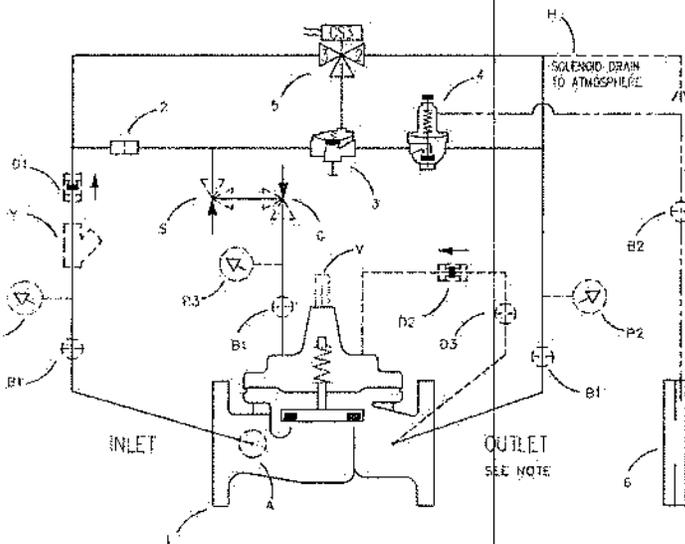
30, 36, 42, 48 *Consult Factory

†Angle Pattern Available; Consult Factory for Pricing.

Optional Features: See Page 4
When ordering specify minimum, normal, maximum GPM
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



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
- P 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	W/Lb
3	\$ 2375	\$ 2850	950	70
4	3553	3818	950	100

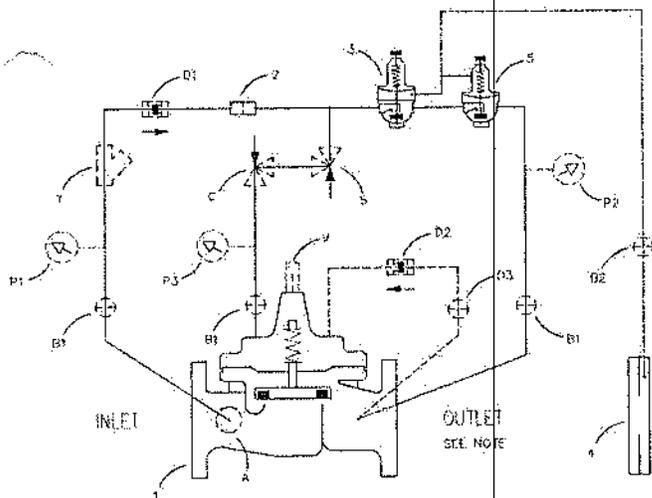
643-01BY Ductile Iron Body, Bronze Trim

Size	Flanged 150 Lb	Flanged 300 Lb	SST Pilot Adder	W/Lb
6	\$ 4963	\$ 5854	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 \$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

- 1 100-20 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
4f	---	3123	CF*	1225

649-01BY Ductile Iron Body, Bronze Trim

Size	Flanged 150 Lb	Flanged 300 Lb	SST Pilot Adder	Wt/Lb
6†	---	\$ 4616	CF*	1575
8†	---	6458	CF*	1625
10	---	8308	CF*	1625
12	---	12955	CF*	1625
14	---	CF*	CF*	1625
16	---	21152	CF*	1625
18	---	CF*	CF*	CF*
20	---	43523	CF*	CF*
24	---	51148	CF*	CF*

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

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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.

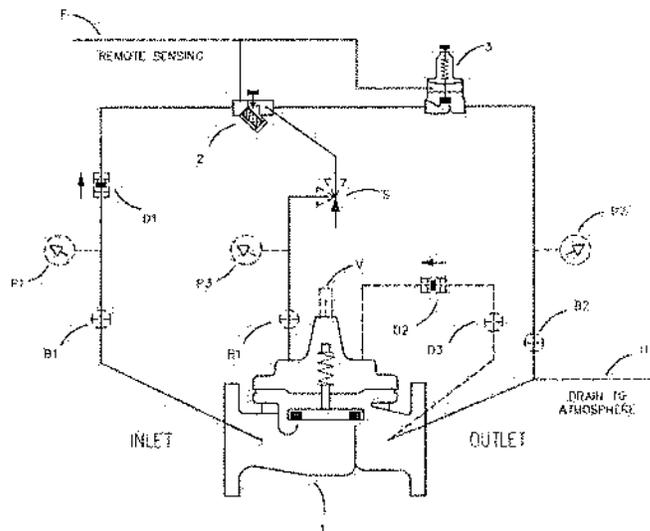
Optional Features: See Page 4

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 \$ 532

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

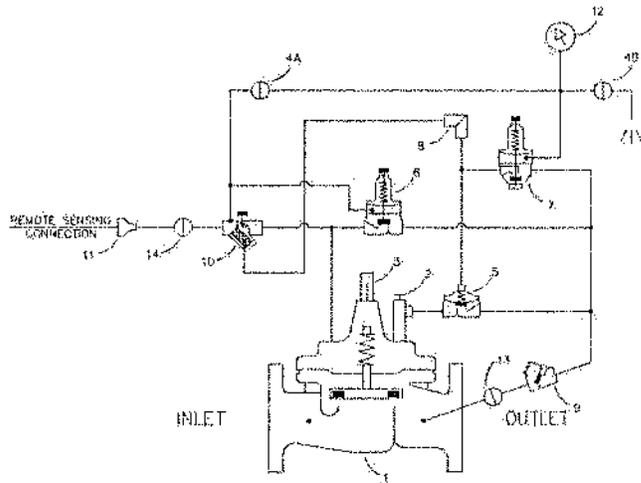
Adjustment Range CRL : 0-75, 20-200 psi

For adjustment range of 100-300 psi add \$ 134

For adjustment range of 250-600 psi add \$ 532

Note: X101 or X105L Accessories not available in 6" and smaller sizes.

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



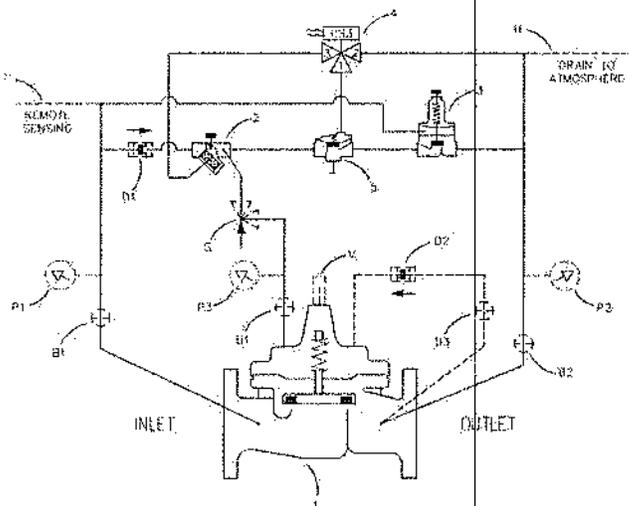
BASIC COMPONENTS

- 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

OPTIONAL FEATURES

- 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)

OCWUT 00032



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	W/Lb
3	---	\$ 2540	CF*	1175
4†	---	3135	CF*	1175

658-01B Ductile Iron Body, Bronze Trim

Size	Flanged 150 Lb	Flanged 300 Lb	SST Pilot Adder	W/Lb
6†	---	\$ 3636	CF*	1425
8†	---	5116	CF*	1500
10	---	7952	CF*	1500
12	---	13077	CF*	1500
14	---	CF*	CF*	1500
16	---	21078	CF*	1500
18	---	CF*	CF*	CF*
20	---	37477	CF*	CF*
24	---	45103	CF*	CF*

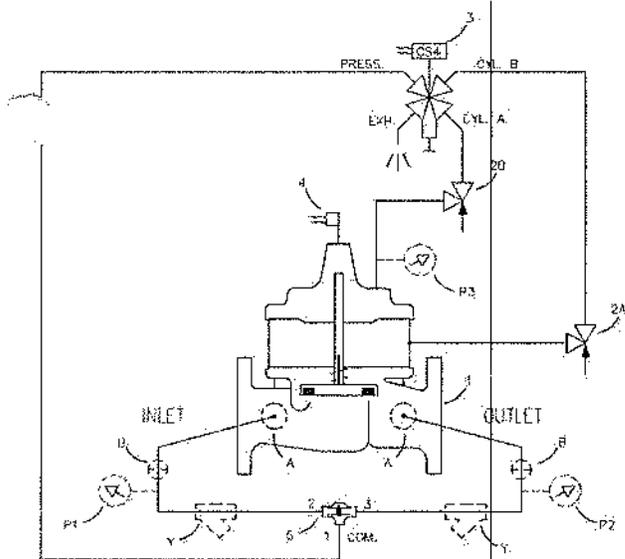
30, 36, 42, 48 *Consult Factory

†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 \$ 64
 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

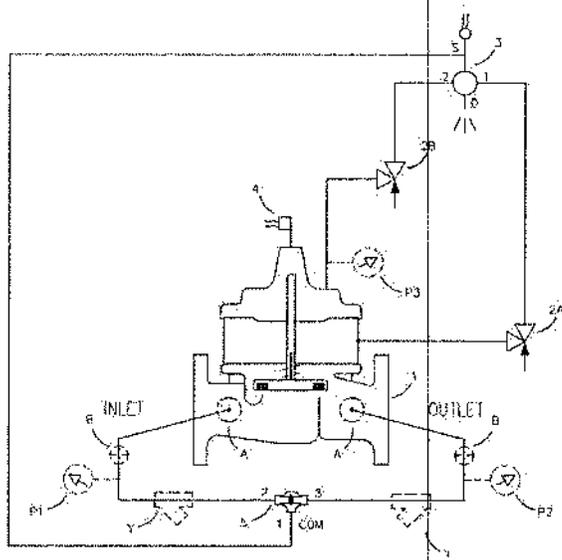
Uses 100-22 Powercheck

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†	---	6401	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

O C W U T 0 0 3 2

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

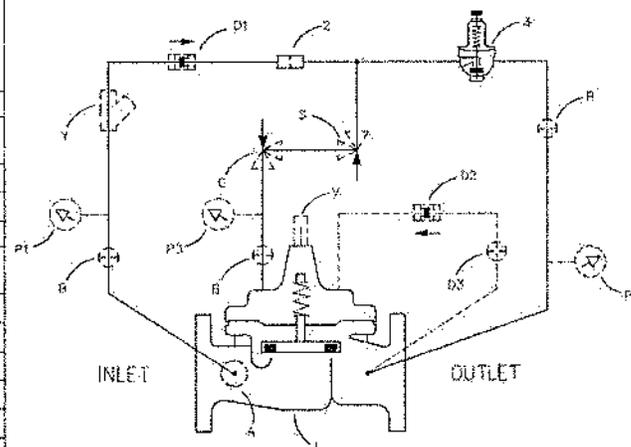
690-01BY Ductile Iron Body, Bronze Trim

Size		Flanged 150 Lb	Flanged 300 Lb	SST Pilot Adder	Wt/Lb
6†	---	\$ 2782	3510	1215	160
8†	---	4454	6046	1300	280
10	---	6528	8468	1300	440
12	---	11103	14167	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



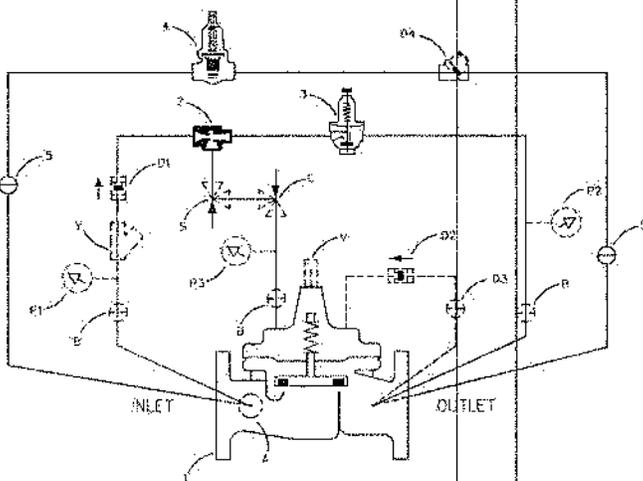
BASIC COMPONENTS

- 1 100-20 Hytrol (Main Valve)
- 2 X58C Restriction Fitting
- 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 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

- 1 100-20 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 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†	---	\$ 3395	CF*	1575	193
8†	---	5210	CF*	CF*	330

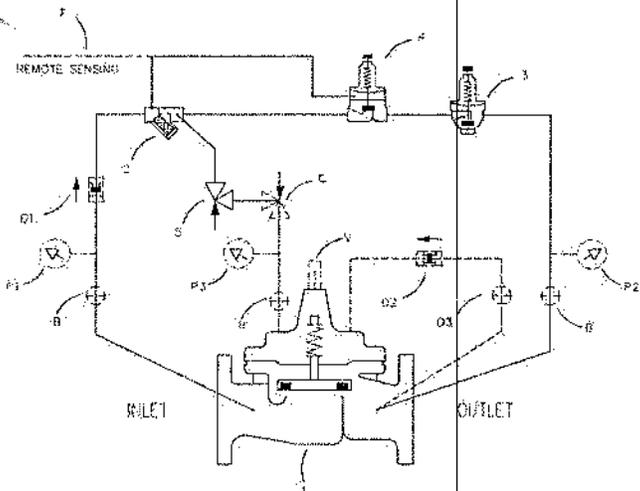
†Angle Pattern Available, Consult Factory for Pricing.

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

OCWUT 00032



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

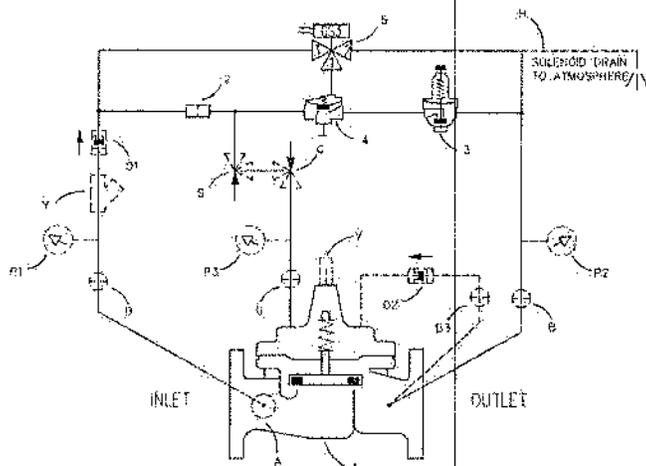
692-01BY Ductile Iron Body, Bronze Trim

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*	2793
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*	2793
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

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694-01 Combination Pressure Reducing and Surge Control Valve
Uses 100-20 Hytrol valve

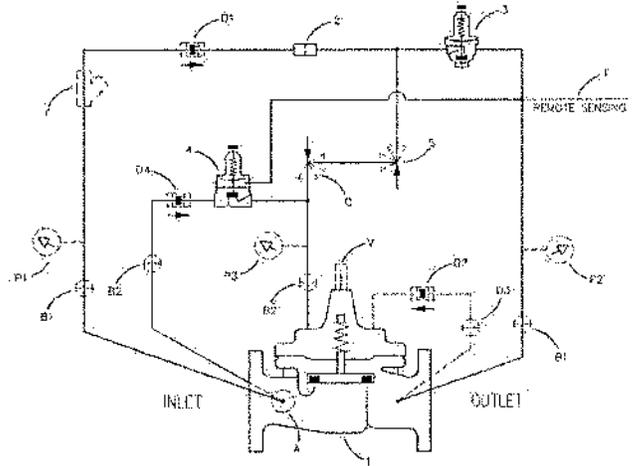
694-01AS Ductile Iron Body, Bronze Trim

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	9059	1760	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 CRL 18 : 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
- Y 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

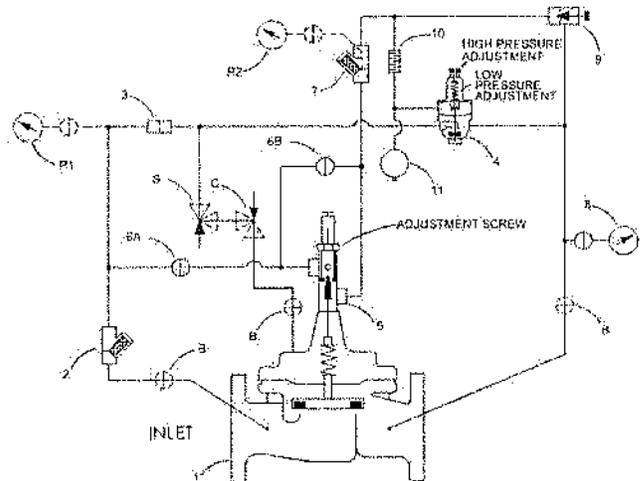
698-06B Ductile Iron Body, Bronze Trim
Includes Opening Speed Control

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

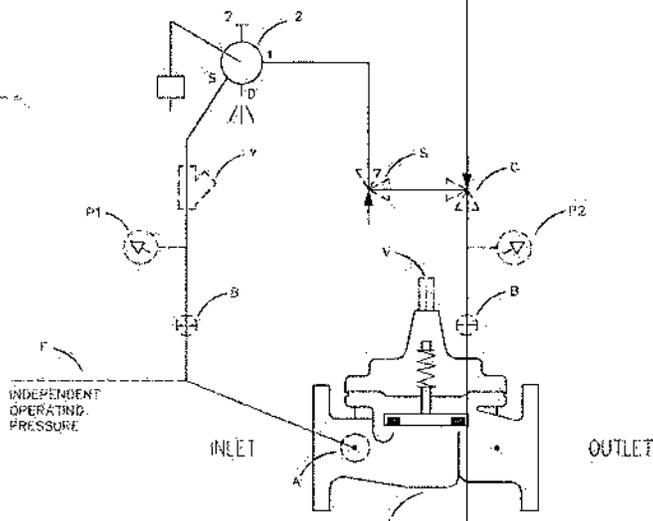
- 1 Hytrol (Main Valve)
- 2 X43 "Y" Strainer
- 3 X58C Restriction Fitting
- 4 CPM-A Pressure Management Control
- 5 X78-4 Stem Assembly + X101
- 6 CK2 (Isolation Valve)
- 7 X44 Strainer Orifice Assembly
- 8 X141 Gauge Assembly

- 9 B120 Needle Valve
- 10 X58E Restriction Assembly
- 11 Accumulator (Air Charged)

OPTIONAL FEATURES

- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- P X141 Pressure Gauge
- S CV Flow Control (Opening)

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BASIC COMPONENTS
 1 100-20 Hytrol (Main Valve)
 2 CF1-C1 Float Control

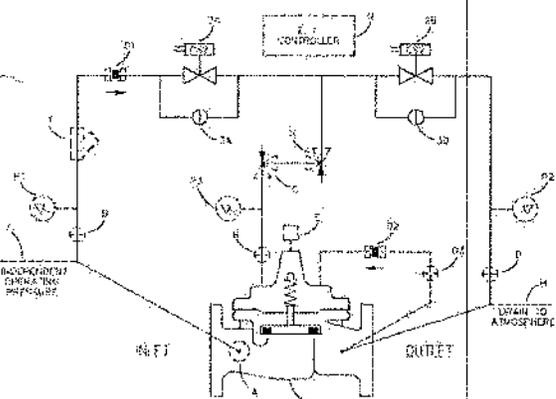
OPTIONAL FEATURES
 A X46A Flow Clean Strainer
 B CK2 (Isolation Valve)
 C CV Flow Control (Closing)
 F Independent Operating Pressure
 P X14f Pressure Gauge
 S CV Speed Control (Opening)
 V X10f Valve Position Indicator
 Y X43 "Y" Strainer

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 \$ 35 per foot
 For stainless steel Float Rods add \$ 95 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

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636-01 Solenoid Control Valve
Uses 100-20 Hytrol

636-01A Ductile Iron Body, Bronze Trim

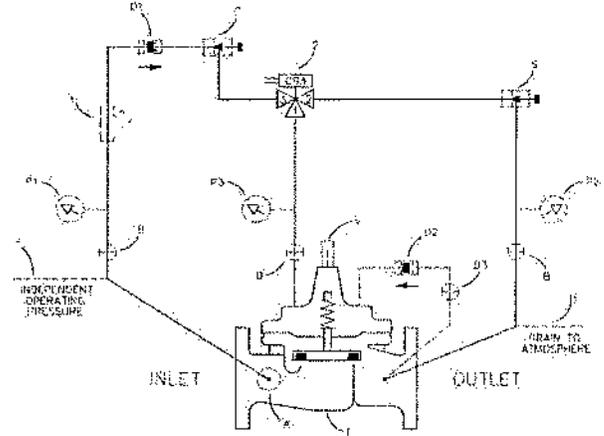
Size		Flanged 150 Lb	Flanged 300 Lb	SST Pilot Adder	Wt/Lb
3	---	\$ 1275	CF*	450	55
4†	---	2155	CF*	450	80

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.

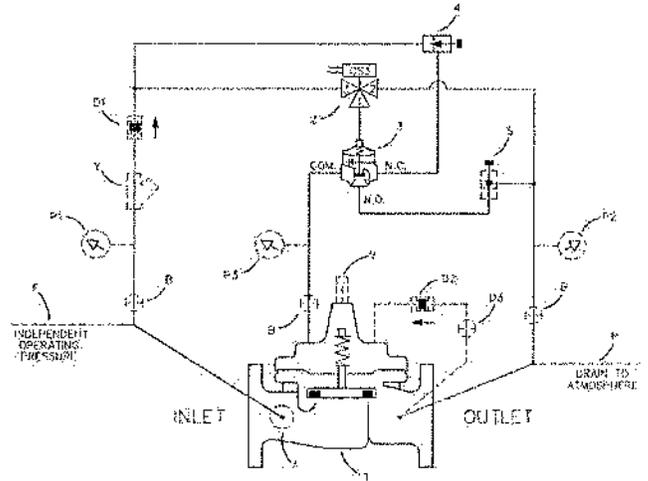
636-03 Solenoid Control Valve
Uses 100-20 Hytrol

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.

OCWUT 00032

610-01 Altitude Valve

One-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†	---	3526	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

*Consult Factory

†Angle Pattern Available, Consult Factory for Pricing

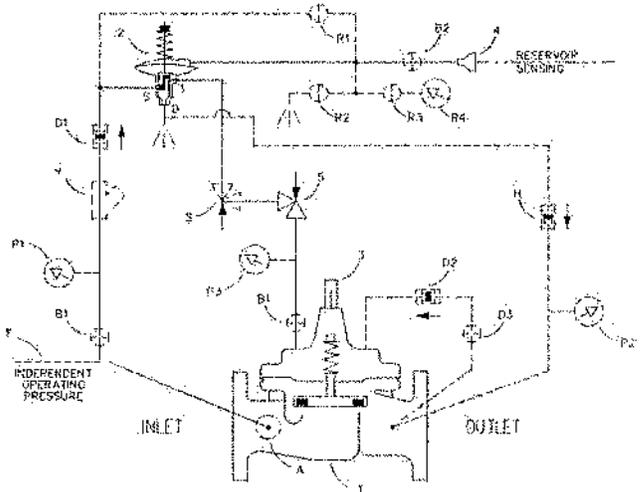
When "D" feature is ordered, the "H" feature is required

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 \$20†

*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 Valve

Two-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†	---	6695	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

*Consult Factory

†Angle Pattern Available, Consult Factory for Pricing.

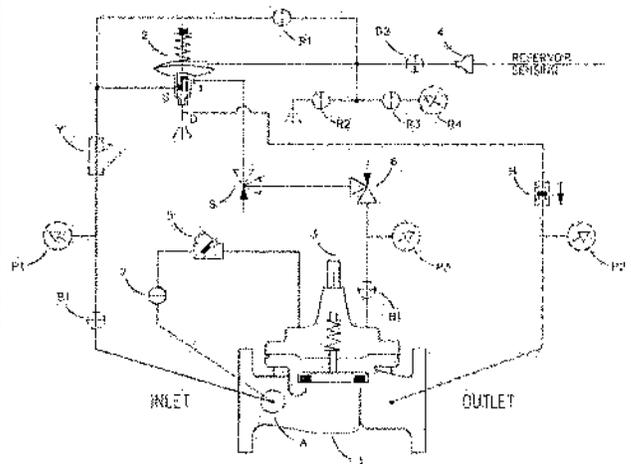
When "D" feature is ordered, the "H" feature is required

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 \$20†

*Consult Factory



BASIC COMPONENTS

- 1 100-20 Hytrol (Main Valve)
- 2 CDS6A Altitude Control
- 3 X101 Valve Position Indicator
- 4 Bell Reducer
- 5 CDC 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

OCWUT 00032

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

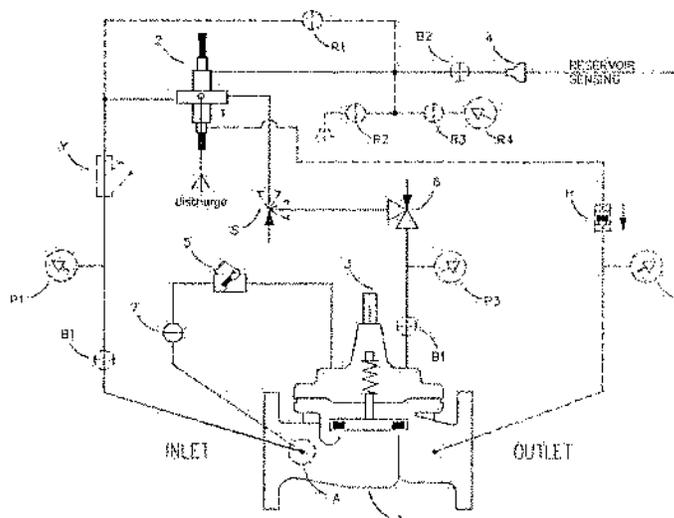
611-01BY Ductile Iron Body, Bronze Trim

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

*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

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 CDS7 Altitude Control
- 3 X101 Valve Position Indicator
- 4 Bell Reducer
- 5 CV Speed Control (Closing)
- 6 CK2 (Isolation Valve)
- 7 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

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

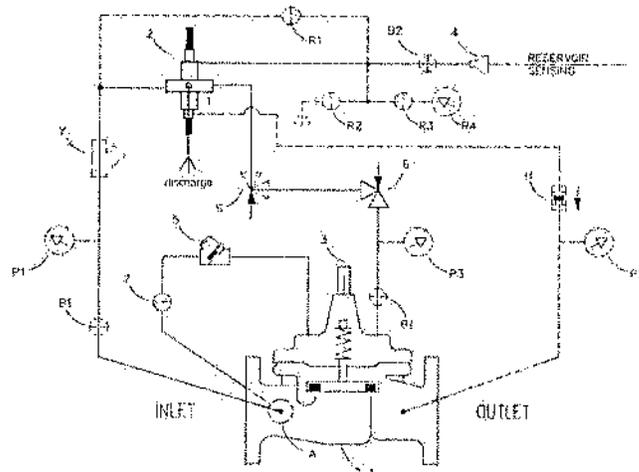
611-01BY Ductile Iron Body, Bronze Trim

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

*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

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 CDS7 Altitude Control
- 3 X101 Valve Position Indicator
- 4 Bell Reducer
- 5 CV Speed Control (Closing)
- 6 CK2 (Isolation Valve)
- 7 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

OCWUT 00032

550-01 Pressure Relief Valve

Uses 100-46 Hytrol Valve

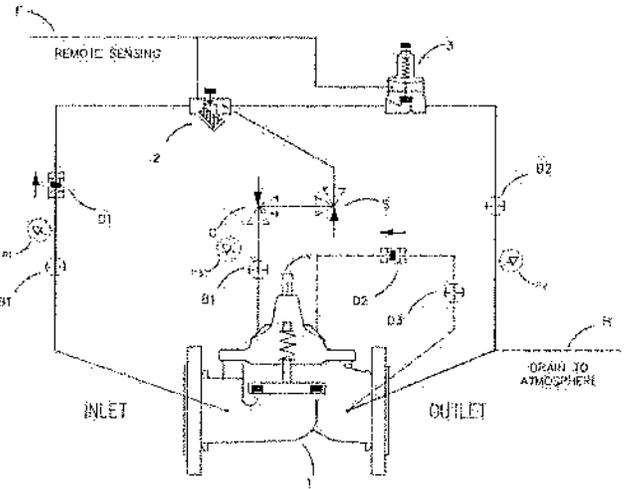
550-01 Stainless Steel Body and Stainless Steel Trim

Size	Threaded 300 Lb	Flanged 150 Lb	Flanged 300 Lb	Wt/Lb
	\$	\$ ---	\$ ---	---
		---	---	30
		---	---	30
1-1/2		3833	3964	35
2		4503	4629	45
2-1/2		4690	4832	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	13540	13940	505
10	25358	26498	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

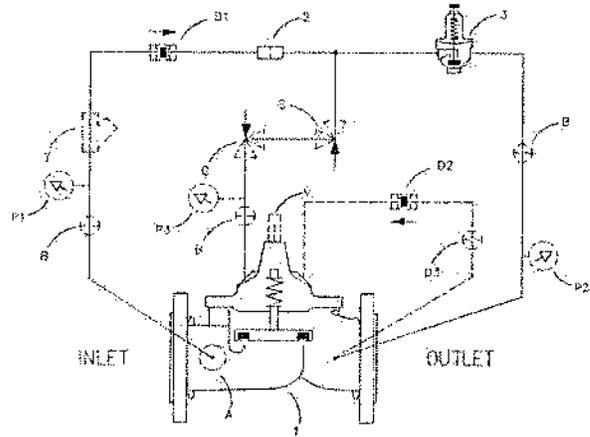
590-01AS Stainless Steel Body and Trim
Includes Opening Speed Control

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

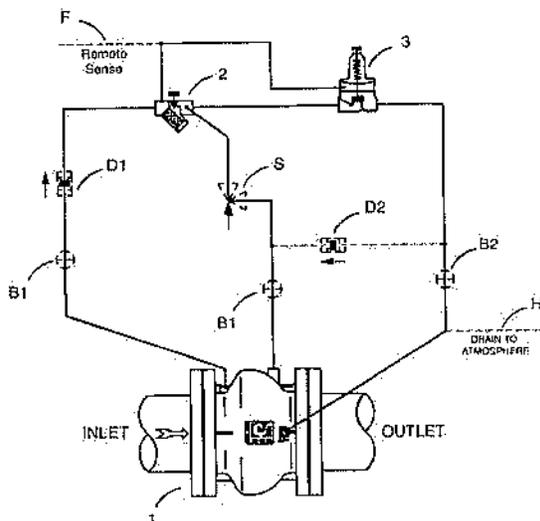
- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)
- D Check Valves with (Isolation valve)
- P X141 Pressure Gauge
- S CV Flow Control (Opening)
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

Includes 303 SST pilot system (Tubing and Controls)

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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
750-01B 316L Stainless Steel Body, Bronze PVS			
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 \$ 182
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

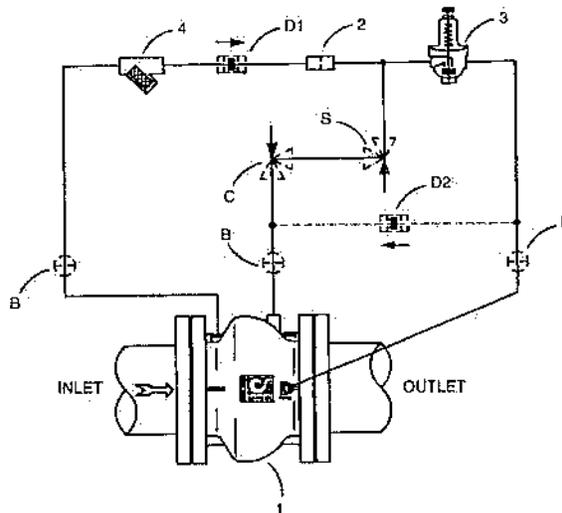
- 1 100-42 Roll Seal (Main Valve)
- 2 X42N-2 Strainer & Needle Valve
- 3 CRL-60 Pressure Relief Control

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
790-01B 316L Stainless Steel Body, Bronze PVS			
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

- 1 100-42 Roll Seal (Main Valve)
- 2 X58C Restriction Fitting
- 3 CRD Pressure Reducing Control
- 4 X43 "Y" Strainer

OPTIONAL FEATURES

- B CK2 (Isolation Valves)
- C CV Flow Control (Closing)
- D Check Valve
- S CV Flow Control (Opening)

O C W U T 0 0 0 3 2

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

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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)

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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)

Wormgear operators
Standard on sizes 30" & up. Call for other sizes

Open Right Operation
(Add "R" to Part # like KK0372R)

Standard coatings:
3"-8": 8 MILS exterior epoxy; 10" & up: 8 MILS int. & ext.epoxy (2-part epoxy)

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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)

Traveling Nut operators
Standard on sizes 20" & down.

Open Right Operation
(Add "R" to Part # like KK0372R)

Standard coatings:
3"-8": 8 MILS exterior epoxy; 10" & up: 8 MILS int. & ext.epoxy (2-part epoxy)

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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

OCWUT 00032

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

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C. Comments (Indicate item number/name of part and describe exception)	

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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

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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**

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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 00032

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

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

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

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**

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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 36-24-02-04 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 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 36-24-02-05 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 30 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 36-24-02-06 - Group 2: Ductile Iron Bodied Butterfly Valves: Butterfly valve with accessories 36 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

OCWUT 00032

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

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

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

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

OCWUT 0032

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

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

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

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.

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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

OCWUT 0032

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

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

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

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.

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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

Description

OCWUT 00032

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
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
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
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
Delivery Location **City of Oklahoma City and its Trusts**
[See Bid Packet for Location\(s\)](#)

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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
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
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
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

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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**

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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.

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Item **OCWUT 36-24-04-24 - Group 4: Mechanical Joint Valves: Cla-val model x105L, x105L2, limit switch 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 36-24-04-25 - Group 4: Mechanical Joint Valves: Cla-val 3/8 inch to 24 inch pressure relief/control 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 36-24-04-26 - Group 4: Mechanical Joint Valves: Cla-val solenoid control 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 36-24-04-27 - Group 4: Mechanical Joint Valves: Clayton valve operators, positioners, and valves**

Quantity **1 each**

Percentage

Delivery Location **City of Oklahoma City and its Trusts**

[See Bid Packet for Location\(s\)](#)

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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

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

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: Crispen 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--04-31 - Group 4: Mechanical Joint Valves: Darling gate valves 4 inch to 24 inch, flanged**

Quantity **1 each**

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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.

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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.

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Item **OCWUT 36-24-04-39 - Group 4: Mechanical Joint Valves: Kinetrol Pneumatic 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 36-24-04-40 - Group 4: Mechanical Joint Valves: Kunkle 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 36-24-04-41 - Group 4: Mechanical Joint Valves: Kytronics Valves Positioners**
 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 36-24-04-42 - Group 4: Mechanical Joint Valves: Limitorque Valve Positioners**
 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,

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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\(s\)](#)

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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

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

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

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**

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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 36-24-04-51 - Group 4: Mechanical Joint Valves: Rensselaer check valves 6 inch to 20 inch, flanged**
 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 36-24-04-52 - Group 4: Mechanical Joint Valves: Rodney Hunt 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 36-24-04-53 - Group 4: Mechanical Joint Valves: Ross 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.

OCWUT 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,

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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 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

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

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

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**

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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 00032

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
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
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
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

OCWUT 00032

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.

OCWUT 00032

Item **OCWUT 36-24--05-18 - Group 5: Hydrant and Valve Repair Parts: Vertical shoe for hydrants**
 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--05-19 - Group 5: Hydrant and Valve Repair Parts: EJ (East Jordan) Watermaster 5CD250 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--05-20 - Group 5: Hydrant and Valve Repair Parts: EJ (East Jordan) Flowmaster RW 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--06-01 - 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\(s\)](#)

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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.

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**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

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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.

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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

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(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.

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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 ← ←

<input type="text"/>	<input type="text"/>
Type Name of Authorized Agent/Representative	Title
<input type="text"/>	
Company Name	
<input type="text"/>	<input type="text"/>
Address	Zip Code
<input type="text"/>	
Telephone Number and Fax Number, if any	

TO BE COMPLETED BY THE NOTARY:

State of *)
<input type="text"/>) SSS
County of *)
<input type="text"/>	

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[*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.)

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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:

Address:

Contact Person:

Email Address:

Telephone Number:

Fax Number:

Billing Contact:

Company Name:

Address:

Contact Person:

Email Address:

Telephone Number:

Fax Number:

Service Contact:

Company Name:

Address:

Contact Person:

Email Address:

Telephone Number:

Fax Number:

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Form **W-9**
(Rev. March 2024)
Department of the Treasury
Internal Revenue Service

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) _____	
	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"/>	
	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) _____ <i>(Applies to accounts maintained outside the United States.)</i>	
	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 *How to get a TIN*, later.

Social security number									
				-			-		
or									
Employer identification number									
				-					

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Part II Certification

Under penalties of perjury, I certify that:

- 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
- 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
- I am a U.S. citizen or other U.S. person (defined below); and
- 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

OCWUT 00032

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).

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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).

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- 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.

OCWUT 00032

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.

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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 BIDDERS3

OKLAHOMA OPEN RECORDS ACT AND CONFIDENTIAL INFORMATION6

INTENT OF CONTRACT7

CONTRACTING ENTITY7

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 OPTION9

DELIVERY.....9

COMMERCIAL PACKAGING.....10

ESTIMATED ANNUAL REQUIREMENTS (NO GUARANTEE)10

ORDER OF PRECEDENCE11

PAYMENT METHODS.....11

PAYMENT/INVOICE.....11

WARRANTY12

GENERAL PROVISIONS12

INSURANCE REQUIREMENTS.....13

SAFETY/RESPONSIBILITY14

SAFETY DATA SHEETS.....14

BRAND NAMES/EXAMPLES15

RIGHT TO ACCEPT OR REJECT AND WAIVING OF FORMALITIES.....15

WHOLE AGREEMENT15

INDEPENDENT BIDDER.....15

INDEMNITY REQUIREMENTS.....15

ADDENDA.....16

CLARIFICATION.....16

UNDUE INFLUENCE16

AWARD METHODOLOGY 17

TECHNICAL SPECIFICATIONS18

LETTER OF AUTHORIZATION.....22

O
C
W
U
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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 00032

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.

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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.

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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.

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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.

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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.

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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	405-297-2810
		Warehouse Counter	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 00032

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.

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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.

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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

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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

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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.

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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.

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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 ALTM 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.

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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

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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.

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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

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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

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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

OCWUT 00032

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

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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

OCWUT 00032

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

OCWUT 00032

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).

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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 – Debament	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.

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- (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.

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(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--

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- (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

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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

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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.

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(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,

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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.

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(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;

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- (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.

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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.

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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

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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-

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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

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(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.

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(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.

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(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.

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- (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)

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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

OCWUT 00032

C. Comments (Indicate item number/name of part and describe exception)	

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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.

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