



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

**5000136519 One Time Purchase of Check Valves for the Westbank Public
Works Warehouse**
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com
16-Nov-2021 08:31:29 AM



Bid Number 50-00136519

**One Time Purchase of Check Valves for the
Westbank Public Works Warehouse**

Bid Due: November 17, 2021 AT 11:00 AM

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received on the Purchasing Department's eProcurement site, www.jeffparishbids.net, by the bid due date and time. Late bids will not be accepted.

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Mark Buttery
MButtery@jeffparish.net
504-364-2810**

DATE: 11/10/2021

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00136519

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETN, LA. 70054-0009
504-364-2678

VENDOR:

BUYER: MBATTERY@jeffparish.net

Bids will be received until 11:00 AM, 11/17/2021 via online at www.jeffparishbids.net.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION. HOWEVER, ELECTRONIC SIGNATURES AS DEFINED IN LSA - R.S. 9:2602(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE.

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law, as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647 as amended. A copy of these resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at purchasing.jeffparish.net and clicking on On-line forms.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and local taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications. JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail

JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in the quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum.

All formal Addenda require written acknowledgment on the bid form by the bidder by the bidder placing the Addendum number in the appropriate section. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected; JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online.

This is a secure site and authorized personnel have limited read access only. Bidders are to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE
CORRESPONDING INSTRUCTIONS BELOW.

13

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid electronic envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precaution must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise stated in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. All sureties must be in original format (no copies). When submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is an as needed basis contract. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA - RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 11/10/2021

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 5

BID NO.: 50-00136519

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETN, LA. 70054-0009
504-364-2678

VENDOR: Water Technology Resources Inc

BUYER: MBUTTERY

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

3-4 Weeks

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: 0

NUMBER: _____

NUMBER: _____

NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

***** ALL BIDDERS MUST COMPLETE SECTION BELOW *****

FIRM NAME:

Water Technology Resources

SIGNATURE:

(Must be signed here)

Sally Waldor

TITLE:

President

PRINT OR TYPE NAME:

Sally Waldor

ADDRESS:

9201 E Bloomington Frwy Suite Z

CITY, STATE:

Bloomington Minnesota

ZIP:

55420

TELEPHONE:

(952) 641-9004

FAX:

()

EMAIL ADDRESS:

sallywaldor@wtrvalves.com

TOTAL PRICE OF ALL BID ITEMS: \$ 14,370.00

DATE: 11/10/2021

Page: 6

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00136519

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	3.00	EA	<p>One Time Purchase of Check Valves for the Westbank Public Works Warehouse</p> <p>0010 - VALVE, CHECK, 6 IN. X 16 IN. FACE TO FACE, FLANGED, WEIGHT AND LEVER/AIR CUSHIONED, BRONZE DISC FACE, ANSI B16.1, CLASS 125, ANSI/AWWA C508, MUELLER NO. A-2604-6-01 SK NUMBER 00-0622110</p> <p>DELIVER TO: PUBLIC WORKS WAREHOUSE 1500 RIVER PARK ROAD BRIDGE CITY, LA 70094</p>	\$4,790.00	\$14,370.00

November 16, 2021

Jefferson Parish
Purchasing
Gretna, LA 70053

Re: Bid Number – 50-00136519
Westbank Warehouse
Bids Due November 17th, 2021

We are pleased to submit our quotation. Please note WTR Valves is a Woman Owned Small Business (WOSB).

Swing Check Valve Specifications

WTR Model – CV90AC6
AWWA C508
Flanged – Class 125/150

Materials of Construction

- Valve Body – Ductile Iron
- Disc – Ductile Iron
- Shaft – Stainless Steel
- Body Seat – Replaceable Design – Bronze/EPDM
- Disc Seat – Replaceable Design – Bronze/EPDM

Feature

- Outside Lever & Weight Air Cushion Cylinder provided with Brass Fittings
- Flow Control Valve

Note: Valve Flange to Flange Dimension is 14" – in accordance with AWWA Appendix A – Full Waterway, copy included.

We offer to furnish 2" Spacers if it is beneficial or required to meet or match a 16" dimension space.

November 16, 2021

Delivery – 3-4 weeks – Freight Charges included.

Thank you for your consideration of our quotation. We would be pleased to receive this Purchase Contract.

Cordially,

A handwritten signature in blue ink, appearing to read 'Matt Waldor', is written over the word 'Cordially,'.

Matt Waldor

WATER TECHNOLOGY RESOURCES

9201 E. Bloomington Fwy, Suite Z

Bloomington, MN 55420

(P) 952-641-9004 (F) 952-885-9173

90° SWING CHECK VALVES

APPENDIX A

End-to-End Dimensions

This appendix is for information only and is not a part of AWWA C508.

In order to encourage and possibly standardize the end-to-end dimensions of flanged-end swing-check valves, the end-to-end dimensions are shown in Table A.1. Full waterway check valves may be made to the same end-to-end dimensions as shown for clear waterway valves.

Table A.1 Suggested end-to-end dimensions for flanged end valves

Nominal Valve Size—NPS		End-to-End Dimensions*			
		Clear Waterway		Full Waterway†	
in.	(mm)	in.	(mm)	in.	(mm)
2	(50)	8	(203)	8	(203)
2½	(65)	10	(254)	8½	(216)
3	(75)	11	(279)	9½	(241)
4	(100)	13	(330)	11½	(292)
6	(150)	16	(406)	14	(356)
8	(200)	19½	(495)	19½	(495)
10	(250)	22	(559)	24½	(622)
12	(300)	26	(660)	27½	(699)
14	(350)	30	(762)	31	(787)
16	(400)	30½	(775)	36	(914)
18	(450)	33½	(851)	40	(1,016)
20	(500)	40	(1,020)	40	(1,016)
24	(600)	46	(1,170)	48	(1,210)

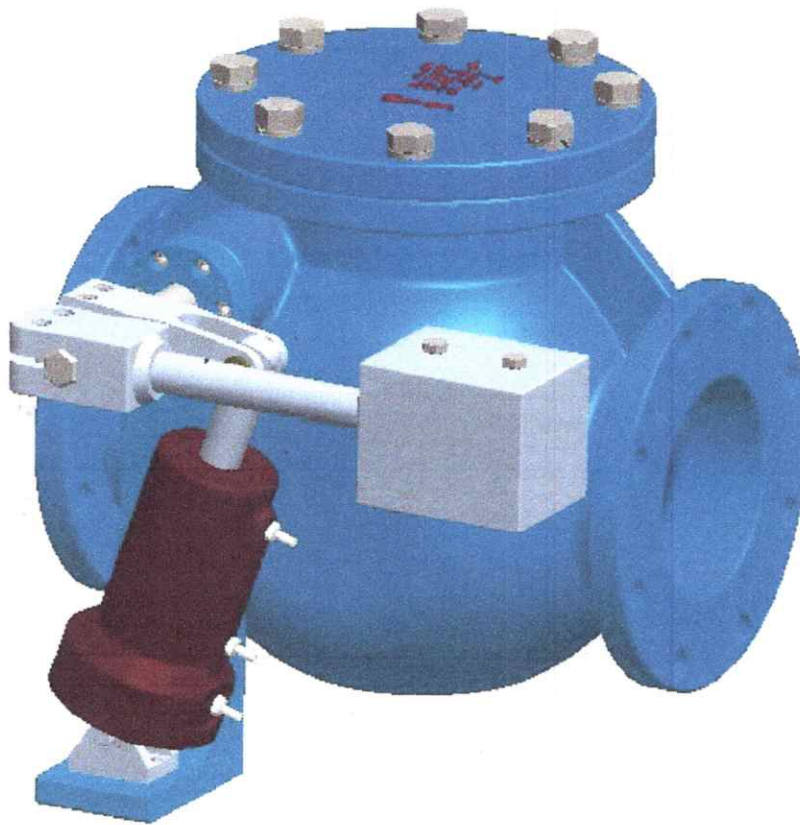
* End-to-End tolerances:

2-in. (50-mm) NPS to 10-in. (250-mm) NPS: $\pm 1/16$ in. (1.58 mm)

12-in. (300-mm) NPS to 24-in. (600-mm) NPS: $\pm 1/8$ in. (3.17 mm)

† Sizes 2 in. (50 mm) through 16 in. (400 mm) comply with ANSI B16-10, "Face-to-Face and End-to-End Dimensions of Ferrous Valves."

SWING CHECK VALVE

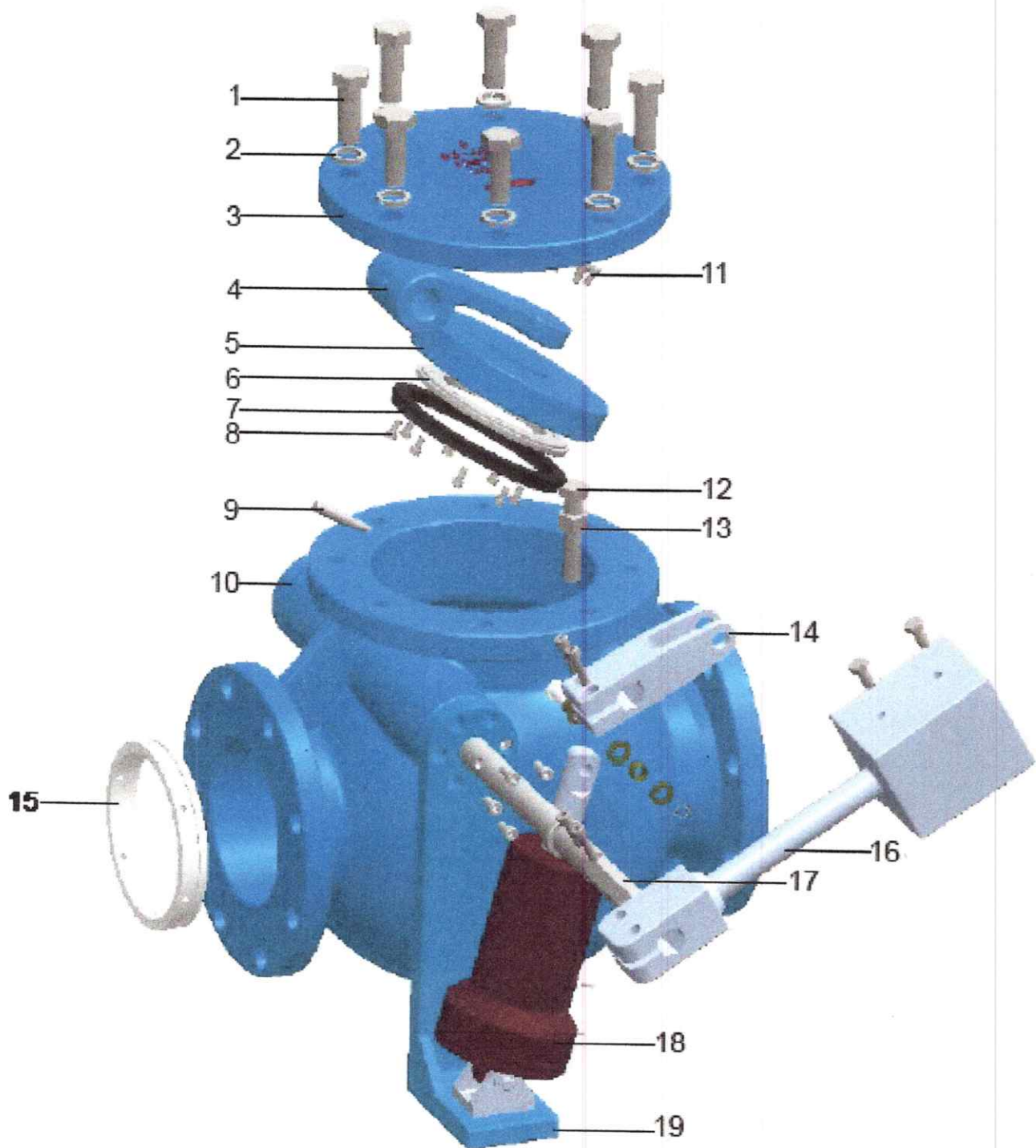


Swing Check Valve with Lever, Weight and Air/Oil Cushion System

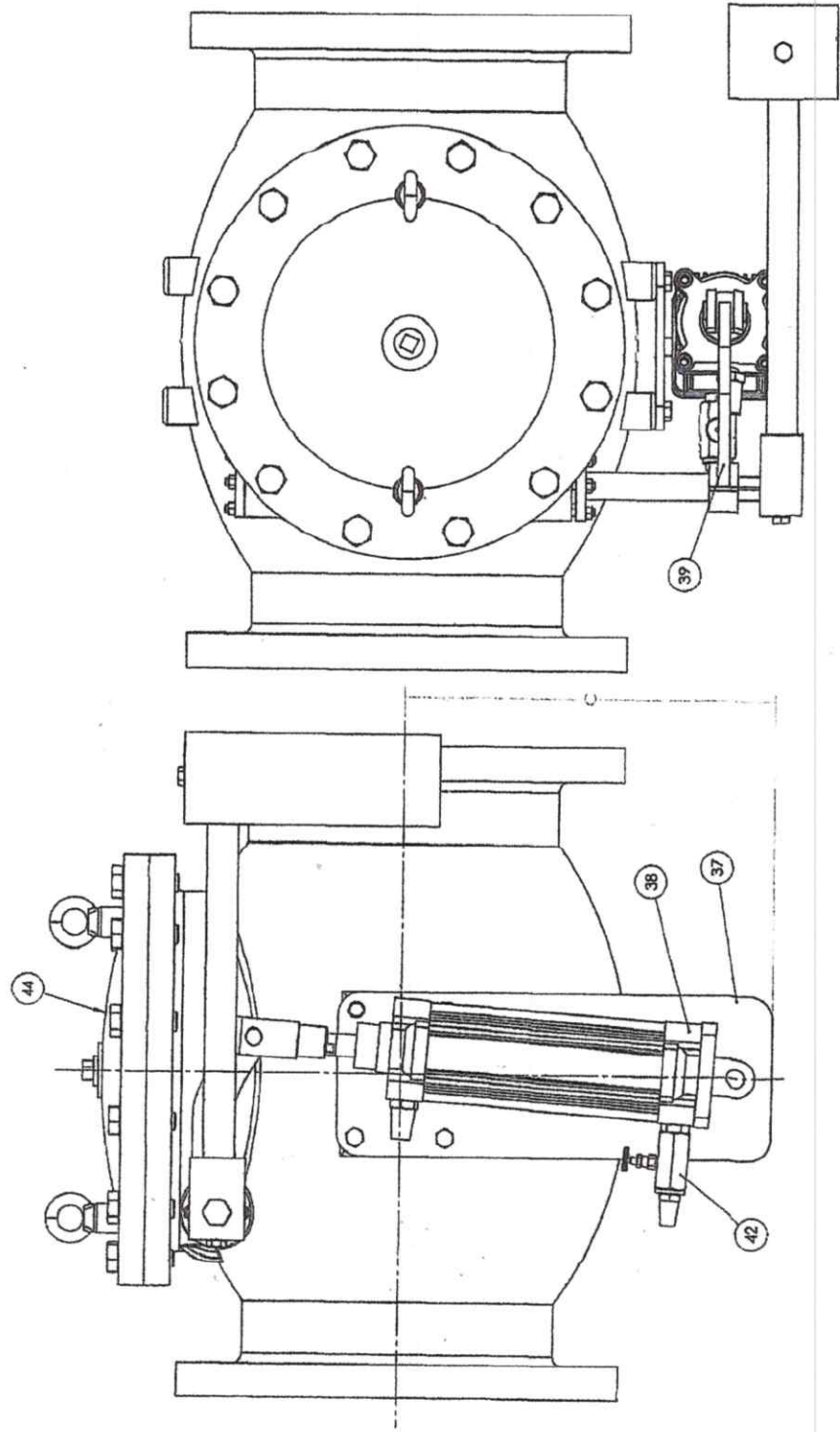
Features

- Heavily constructed ASTM A536 Grade 65-45-12 ductile iron body features a full flow area providing 100% unrestricted flow and low head loss. Flanges conform to ANSI B16.1
- All internal parts can be easily replaced through top cover without removing valves from the pipeline.
- Available with Air Cushion (Fast Closing) or Oil Cushion (Slow Closing) to prevent or minimize slam and water hammer.
- Lever and Weight may be installed on either side.
- Disc seat standard with Buna-N insert for bubble tight shut off.
- Suitable for both horizontal and vertical pipelines with upward flowing.
- Meets AWWA C508 standards.
- Interior and exterior coatings are ANSI/NSF 61 certified. Fusion Bonded Epoxy (FBE) and other coatings are available upon request.

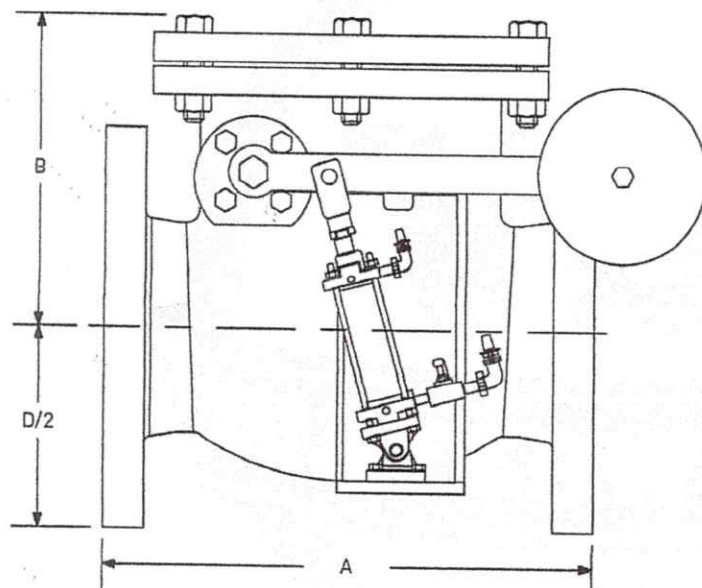
SWING CHECK VALVE



FLANGED WITH SIDE MOUNTED AIR CUSHION



VALVE SIZE		A	B	C	D	E	F
NPS	DN						
2	50	8.00	5.4	4.75	6.0	4	0.75
2.5	65	8.50	5.8	5.50	7.0	4	0.75
3	75	9.50	6.3	6.00	7.2	4	0.75
4	100	11.50	7.1	7.50	9.0	8	0.75
5	125	13.00	8.0	8.50	10.0	8	0.75
6	150	14.00	8.8	9.50	11.0	8	0.88
8	200	19.50	10.2	11.75	13.5	8	0.88
10	250	24.50	11.4	14.25	16.0	12	1.00
12	300	27.50	12.8	17.00	19.0	12	1.00
14	350	31.00	16.7	18.74	21.0	12	1.13
16	400	36.00	17.5	21.25	23.5	16	1.13
18	450	38.00	18.9	22.75	25.0	16	1.25
20	500	42.00	20.7	25.00	27.5	20	1.25
24	600	48.00	23.9	29.50	32.0	20	1.38
30	750	56.00	45.0	36.00	38.8	28	1.38



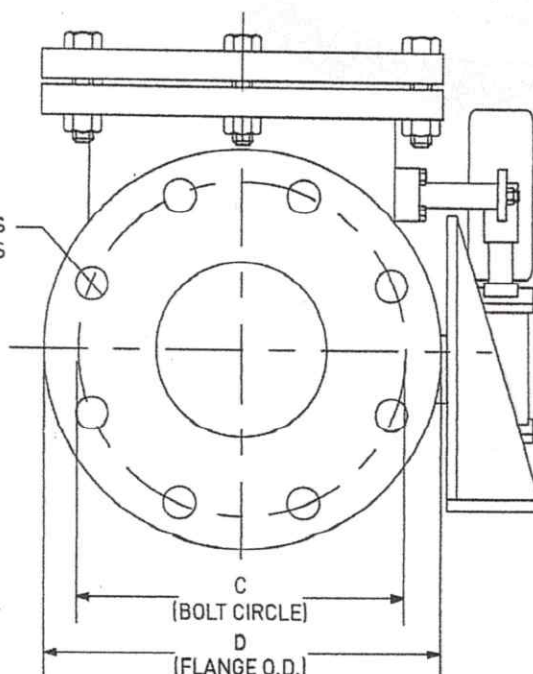
- NOTES:
- 1) FLANGES PER ASME/ANSI B16.1 CL125 AND B16.5 CL150
 - 2) VALVE MANUFACTURED & TESTED IN ACCORDANCE WITH AWWA C508 LATEST REVISION

CAST EMBOSSED ON VALVE BODY:

CASTING YEAR
 175 PSI (2"-12")
 150 PSI (14"-30")
 AWWA C508
 POUR IDENTIFIER

TOLERANCES		
DECIMAL		ANGULAR
XX	±0.1	±0.25°
XXX	±0.02	
XXXX	±0.008	

E = NO. THRU HOLES
 F = DIA. THRU HOLES



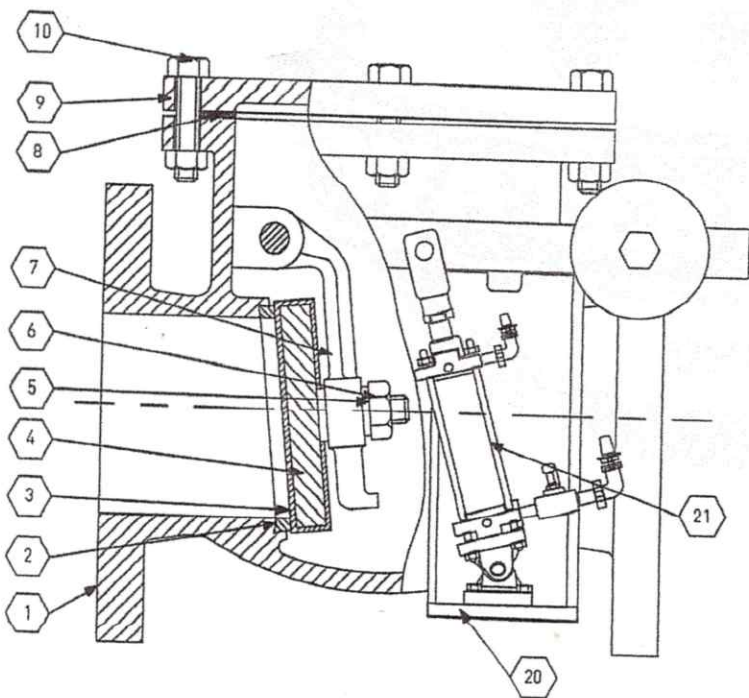
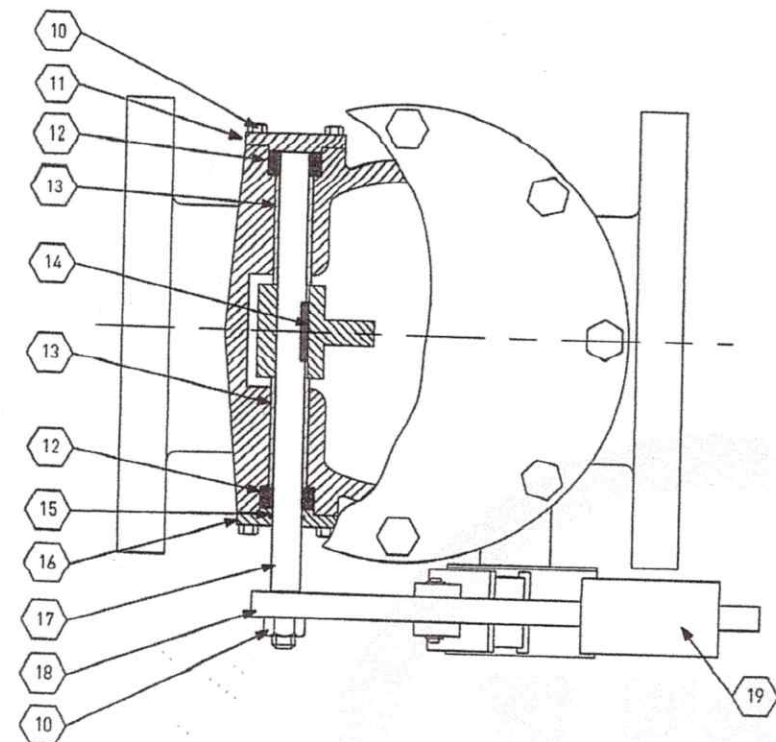
3	01-06-16	TT	EDIT PRESSURE
2	05-01-15	TT	ADD 30-INCH
1	05-13-14	TT	CORRECT 14-INCH BC
REV.	DATE	BY	DESCRIPTION



2"-30" FLANGED SERIES CVI
 AWWA C508 SWING CHECK VALVE
 WITH CUSHION CYLINDER

UNITS: INCHES REV 3
 SCALE: NTS 01-06-2016

DWG. NO. CVI-1065



NOTES:

- 1) VALVE ASSEMBLED WITH NSF61 APPROVED LUBRICANT
- 2) IRON AND STEEL COMPONENTS COATED WITH AWWA C550 EPOXY

ITEM	DESCRIPTION	MATERIALS	TRIM
1	BODY	DUCTILE IRON ASTM A536 65-45-12 CAST IRON ASTM A126 CLASS B STAINLESS ASTM A351 CF8 STAINLESS ASTM A351 CF8M CARBON STEEL ASTM A216 WCB	
2	BODY SEAT RING	STAINLESS 304 ASTM A276 STAINLESS 316 ASTM A276 BRONZE ASTM B62	
3	DISC ENCAPSULATION	EPDM BUNA-N (NBR) VITON (FPM)	
4	DISC	DUCTILE IRON ASTM A536 65-45-12 CAST IRON ASTM A126 CLASS B STAINLESS ASTM A351 CF8 STAINLESS ASTM A351 CF8M CARBON STEEL ASTM A216 WCB	
5	WASHER	STAINLESS 304 ASTM A276 REINFORCED PTFE	
6	WETTED HARDWARE	STAINLESS ASTM F593 GROUP 1 STAINLESS ASTM F593 GROUP 2 STEEL ASTM A325 TYPE 1	
7	ARM	DUCTILE IRON ASTM A536 65-45-12 STAINLESS ASTM A351 CF8 STAINLESS ASTM A351 CF8M CARBON STEEL ASTM A216 WCB	
8	SEAL	GRAPHITE EPDM BUNA-N (NBR)	
9	COVER	SAME AS BODY (1)	
10	EXTERIOR HARDWARE	STAINLESS ASTM F593 GROUP 1 STAINLESS ASTM F593 GROUP 2 STEEL ASTM A325 TYPE 1	
11	CAP	SAME AS BODY (1)	
12	PACKING	EPDM BUNA-N (NBR) VITON (FPM)	
13	BEARING	REINFORCED PTFE STAINLESS 304 ASTM A276 BRONZE ASTM B62	
14	KEY	STAINLESS 304 ASTM A276 STAINLESS 17-4PH ASTM A693 STEEL ASTM A36	
15	O-RING	EPDM BUNA-N (NBR) VITON (FPM)	
16	RETAINER	SAME AS BODY (1)	
17	SHAFT	STAINLESS 304 ASTM A276 STAINLESS 316 ASTM A276 STAINLESS 17-4PH ASTM A693 BRONZE ASTM B62	
18	ARM	STEEL ASTM A36	
19	WEIGHT	DUCTILE IRON ASTM A536 65-45-12	
20	BRACKET	STEEL ASTM A36	
21	CUSHION		

TEMPERATURE RESTRICTIONS			
SEAT	MIN	MAX	
EPDM	-40F	300F	
NBR	-30F	250F	
FPM	-10F	400F	
PTFE	-100F	450F	

REV.	DATE	BY	DESCRIPTION
2	05-01-15	TT	EDIT TRIM & SIZE
1	12-12-14	TT	EDIT SHAFT MAT.



CROSS SECTION
PARTS AND MATERIAL LIST
2"-30" SERIES CVI RUBBER SEATED
AWWA C508 SWING CHECK VALVE
WITH CUSHION CYLINDER

UNITS: INCHES REV 2
SCALE: NTS 05-01-2015
DWG. NO. CVI-1060

Series CVI

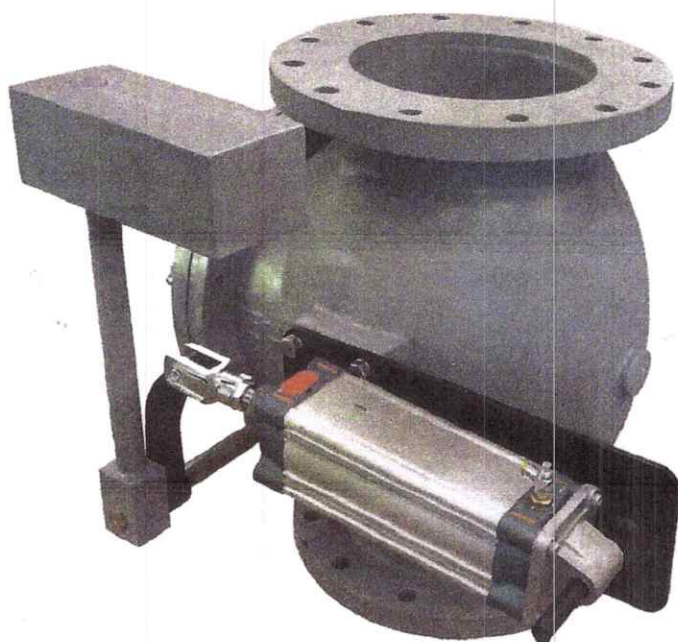
Swing Check Valves
to AWWA C508



CHECK VALVE ADVANTAGES

All Series CVI Replaceable Seat Check Valves come standard with the far superior Ductile Iron body and disc. The higher strength of Ductile Iron compared to Cast Iron allows all valves up to 24" to be rated to a full 200 psi or more. By utilizing heavy duty thick wall castings to AWWA C508 standards and modern Ductile Iron as the material, valves are able to have high operating pressures and extended service lives.

Size	AWWA C508	Series CVI
2"-12"	175psi	250psi
14"-24"	150psi	200psi

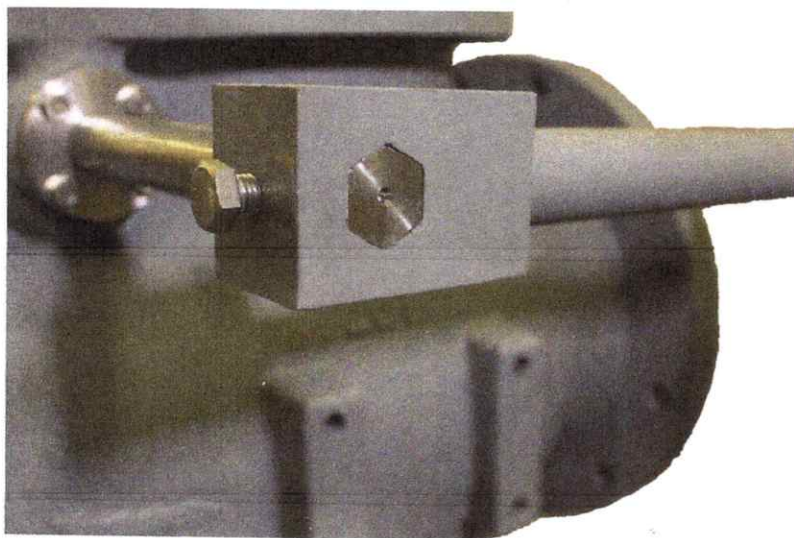


EASY TO SERVICE

CVI Replaceable Seat Check Valves come with a replaceable rubber or metal disc seats for ease of service in the field. This allows for ease of field maintenance, without removing the valve from the pipeline, when combined with the large top service cover. This also allows for flexibility when picking a resilient seat material - high temperature or other custom seats can be fit and valves shipped the same day in some cases.

As standard, all series CVI Replaceable Seat Check Valves feature a stainless steel 17-4PH shaft. Shafts are able to be placed on either side of the valve allowing for ambidextrous mounting for any tight space and for vertical or horizontal installation. Lever and Weights are mounted securely on a hex end with retaining screw to ensure zero play in the assembly. Many other shaft options are available to meet project requirements.



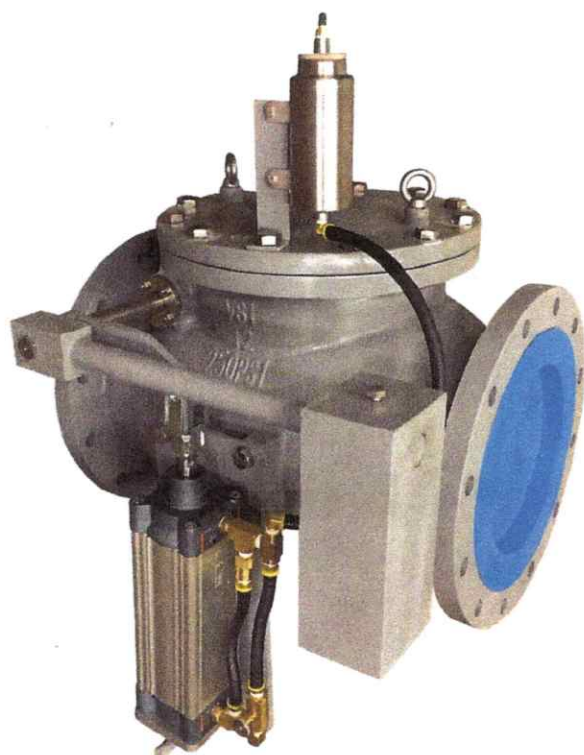
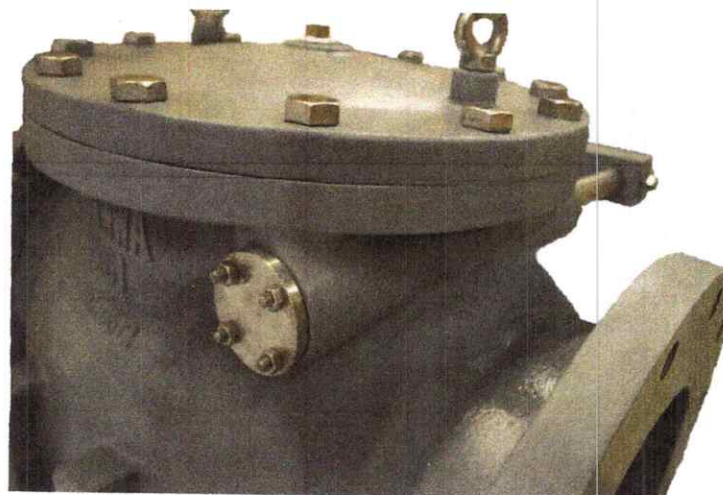


IMPLEMENTATIONS

The Outside Lever and Weight Check Valve has long been the standard for low cost backflow prevention applications. The resilient seated variation of the Check Valve adds the characteristic of zero-leak to this list. The check valve can easily be factory equipped with air/oil cushioning for any application where advanced valve control is necessary.

REPLACEABLE/INTERCHANGEABLE SEAT

The ductile iron disc in the Series CVI features a replaceable resilient seat retained by a single piece stainless steel 316 retaining ring or a single piece replaceable metal seat. The ability to change rubber compounds provides excellent sealing performance, and the ability to accommodate many different line media. Both the body seat and disc seat of metal and resilient seated valves are fully field serviceable



AIR AND OIL CUSHION OPTIONS

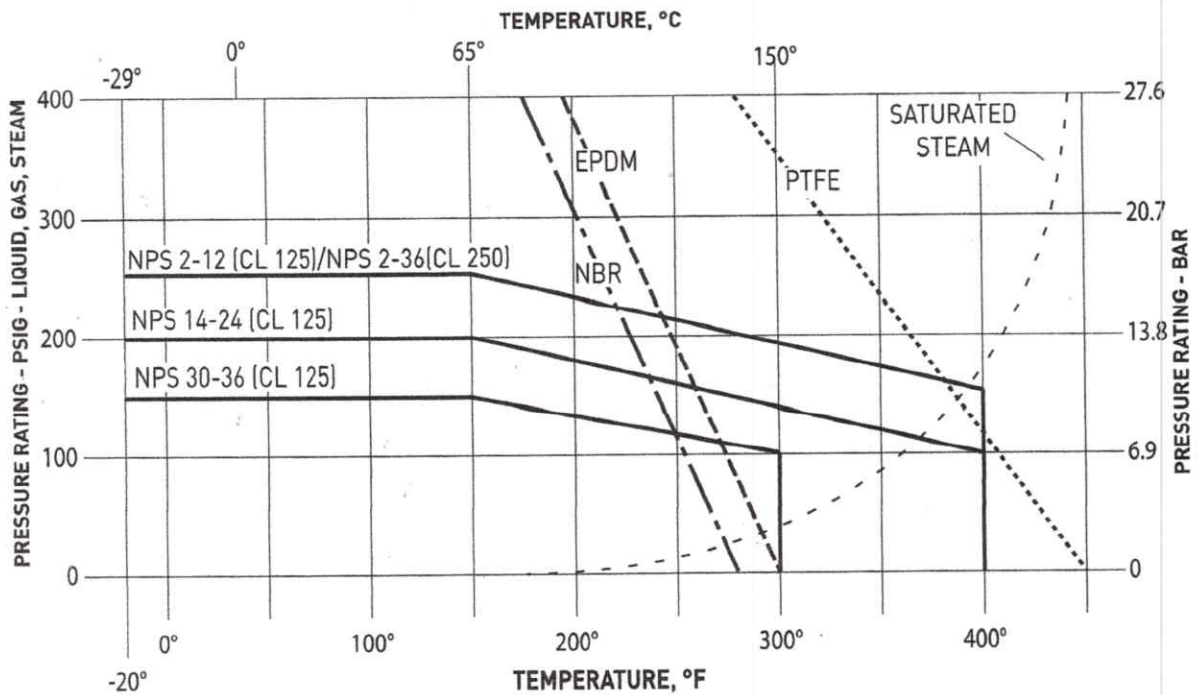
The check valve can easily be factory equipped with air/oil cushioning for any application where advanced valve control is necessary. We have engineered our custom fabricated cushioning assemblies for each of our valves sizes to produce the most cost effective and reliable products. Limit switches for remote valve position signaling are also available.

Series CVI

Swing Check Valves
to AWWA C508



PRESSURE/TEMPERATURE RATINGS



In determining field pressure ratings for Series CVI Check Valves that are constructed of Ductile Iron the above chart should be used. Pressure cast on valve represents maximum seating pressure; maximum hydrostatic pressure is temperature dependent, and may be higher than nominal pressure rating.

