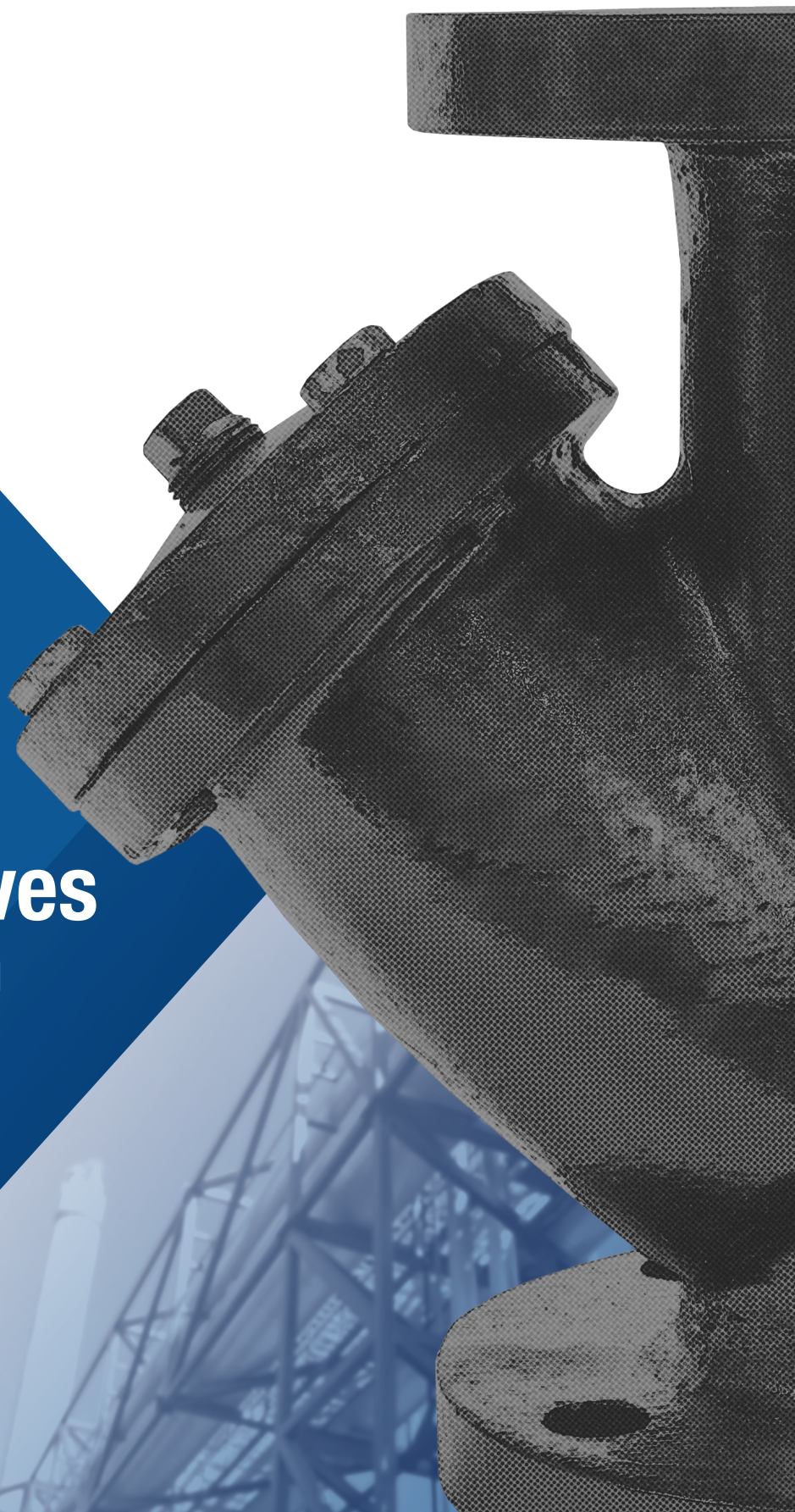




Strainer & Check Valves

Cast Iron | Stainless Steel



ISO
9001

CRN

3 YEAR VIEW TERMS
& CONDITIONS
WARRANTY

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STRAINER AND CHECK VALVES

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ABOUT US

The *Flow+* product line is based around the goal of providing quality valves at competitive prices.

It's a goal that has met the needs of various oil and gas, mining, process, chemical and general industries, and the reason *Flow+* remains a leader when it comes to your valve needs.

Our growing product line ranges from:

- 1, 2 and 3 piece ball valves, known as our B Series.
- Floating flanged ball valves offered in 150, 300 and 600 pressure classes, known as our Z Series.
- Trunnion ball valves, known as our T Series.
- A wide variety of butterfly valves.
- Strainers and check valves.
- Valve position monitors.

For more details, please visit www.flowplusvalves.com



PART NUMBERING SYSTEM

1

1 = Type

WC = Wafer Check, Swing
WD = Wafer Dual
YC = Y Pattern Check
YS = Y Strainer
BS = Basket Strainer

2

2 = Size

002 = 2" 010 = 10"
003 = 3" 012 = 12"
004 = 4" 014 = 14"
006 = 6" 016 = 16"
008 = 8" 018 = 18"

3

3 = Class/WOG

00 = 125
01 = 150
03 = 300
06 = 600
09 = 900
15 = 1500

4

4 = Body Material

1 = ASTM A216 WCB
2 = ASTM A352 LCC
3 = ASTM A351 CF8M
4 = A105N
5 = A350 LF2
6 = F316SS
7 = Cast Iron
8 = CS

5

5 = End Connection

F = Raised Face Flanged
J = Ring Joint Flanged Ends
B = Butt-Welded Ends
G = Weld X Raised Face
H = Weld X RTJ
L = Lugged Wafer RF
W = Wafer RF

6

6 = Trim Material

01 = Carbon Steel Disc
02 = 316SS Disc
03 = Bronze Disc

7

7 = Seal Material

B = Buna
E = EPDM
T = Teflon
V = Viton
S = Silicone
G = Graphite
L = Garlock 2900
W = 304SS Spiral Wound

8

8 = Special Features

00 = Standard Requirement
01 = NACE/Sour

Flow+ 125# Cast Iron Y Strainer Flanged

MATERIALS OF CONSTRUCTION

1. Body.....ASTM A126 B
2. Screen.....SS304
3. StudCarbon Steel
4. NutCarbon Steel
5. WasherCarbon Steel
6. BonnetASTM A126 B
7. Plug.....Malleable Cast Iron
8. BonnetGasket Graphite + Steel

Note: Flanged to ANSI B16.1



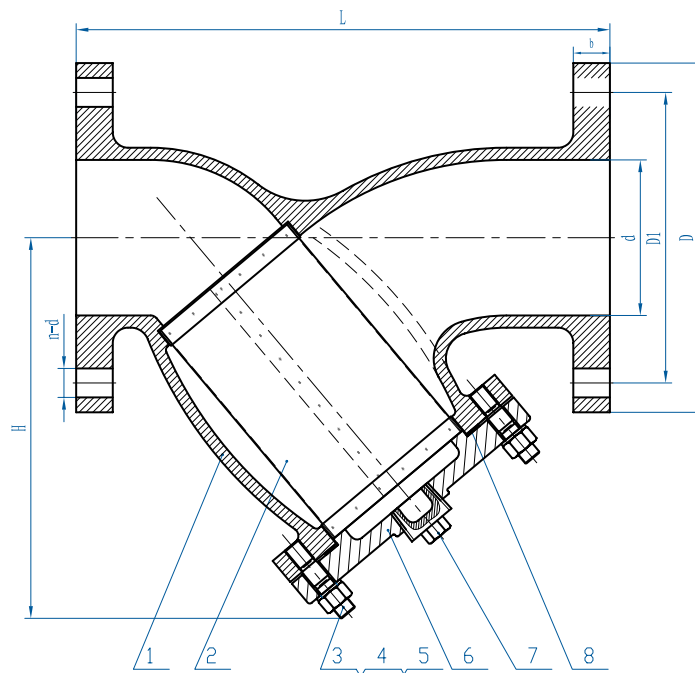
Size	d	L	D	D	b	n-d	H	Weight (kg)
2"	51	230	152	120.7	15.8	4-19	152	10
2-1/2"	63.5	230	175	139.7	17.5	4-19	186.5	16
3"	76	310	191	152.4	19	4-19	203	20
4"	102	350	229	190.5	23.9	8-19	250	34
5"	127	400	254	215.9	24	8-22.4	288	52
6"	152	480	279	241.3	25.4	8-22	325	70
8"	203	600	343	298.5	28.5	8-22	405	110
10"	254	730	406	362	30.2	12-25	496	117
12"	305	850	483	431.8	31.8	12-25	574	295

CONNECTIONS

2" - 12" ASME 125 FF Flanged

SCREEN OPENINGS

Size	Standard Screen	Materials
2"-3"	3/64" Perf	304 SS
4"-12"	1/8" Perf	304 SS



Flow+ 125# Cast Iron Double Door Check Valve

TECHNICAL SPECIFICATIONS

- Designed and manufactured to conform to API 594
- ASME Class 125
- Testing conforms to API 598

MATERIALS OF CONSTRUCTION

1. **Body**.....ASTM A126 B Cast Iron
2. **Discs**Al/Bz B148 C954 or 316SS A351-CF8M
3. **Seat**.....EPDM/Buna-N
4. **Spring**.....316SS

CRACKING PRESSURE

Horizontal Mounting0.3 psid
Vertical Mounting0.75 to 1.25 psid

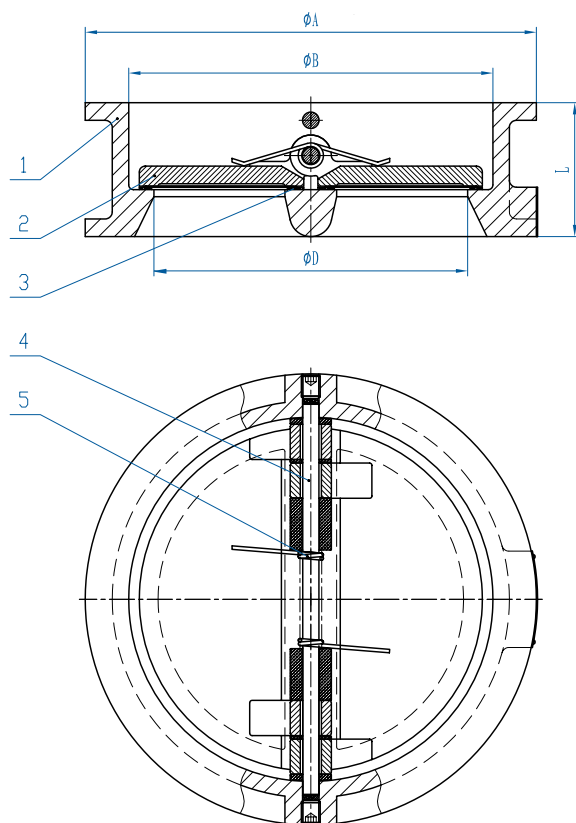


CONNECTIONS

2" - 12" FF Wafer, 125-250 AARH

SEATS

Bronze/Buna or SS/EPDM



Size	L	A	B	D	Weight (kg)
2"	54	105	65	43	1.4
2-1/2"	60	125	78	57	2.3
3"	67	137	94	70	3.6
4"	67	175	117	88	5.9
5"	83	197	145	115	7.3
6"	95	222	171	134	9.8
8"	127	179	222	182	16.8
10"	140	340	276	217	25.9
12"	181	410	327	260	42.2
14"	184	451	375	314	93.1
16"	191	514	416	350	123.0
18"	203	549	457	396	140.7
20"	212	606	508	440	171.2
24"	222	718	610	536	250.2

Flow+ Single Flapper Wafer Check Valve

TECHNICAL SPECIFICATIONS

Inexpensive reduced port check valve used in applications where media is clean (abrasives are not present) such as:

- Freshwater
- All kinds of oil
- Seawater
- Acid
- Sewage
- Alkali

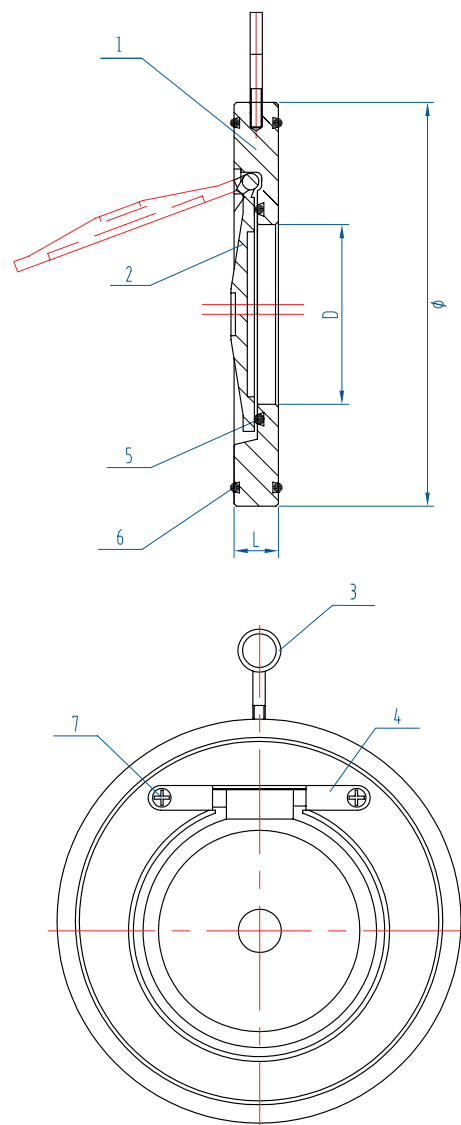
TEMPERATURE

Viton: -23° C to 150° C

MATERIALS OF CONSTRUCTION

1. Body..... CF8M
2. Disc..... CF8M
3. Flying-Rings..... Carbon Steel
4. Baffle..... 316SS
5. O-Ring..... Viton
6. O-Ring..... Viton
7. Screw..... 316SS

Size	L CL150	D	Ø ANSI 125/150	Weight (kg)
2"	19	32	104	1.4
2-1/2"	19	40	124	1.8
3"	19	54	136	1.8
4"	19	70	174	3.2
6"	19	114	222	4.5
8"	29	154	279	11.4
10"	29	200	340	15.9
12"	38	235	410	30.5
14"	44	280	451	42.3
16"	51	316	514	63.6
18"	60	360	546	77
20"	64	405	603	106
24"	70	486	714	158



[illegible]

Terms and Conditions

VSTC-18-3 | Effective July 1, 2018

- 1) CANCELLATIONS & RESTOCKING POLICY:** Purchase orders once placed by Buyer and accepted by Seller can be cancelled only with Seller's written consent and upon terms which will save Seller from loss. No orders may be cancelled subsequent to delivery and/or shipment, whichever occurs first. As estimated actual damages, Buyer agrees to pay Seller the greater of Seller's actual costs incurred prior to cancellation plus a reasonable profit, or the following minimum cancellation charges: a) 20% of Order value if cancelled thirty (30) or more days prior to the original delivery/shipment date; b) 50% of the Order value if cancelled thereafter; or, c) 100% of the Order value of any non-standard items, which are items not built for stock or built to Buyer's specifications.
- 2) RETURNED PRODUCT:** All sales are final; all custom products (non-stocking) are not subject to return, credit or refund. The return of obsolete and used Products shall not be permitted. The Purchaser shall not return Products without first obtaining Seller's written permission and shall be subject to a restocking charge. Products must be returned within 10 days after the date that written permission has been given. All transportation charges for any returned Products shall be paid by the Purchaser. Request to return Products must be accompanied by relevant customer order and Seller's invoice number(s). Final acceptance of returned Products is subject to examination and/or testing. Products will not be accepted for return or credit later than six (6) months after invoicing.
- 3) PRICES:** Possession of price lists will not be accepted by the Seller as an obligation, or offer, to sell any goods listed therein. All prices contained in published price lists are subject to change without notice and supersede those of all previous lists. Prices quoted are based on current exchange rates; Seller reserves the right to adjust pricing to reflect the exchange rate in effect at the product receipt date to Seller's facility.
- 4) LIQUIDATED DAMAGES:** Liquidated damages will not be accepted in the event of order placement.
- 5) SALES TAXES, ETC.:** The Purchaser shall pay and be responsible for all provincial, local or federal sales, use or other taxes (including general sales or value added taxes) and customs duties now or hereinafter enacted which may be applicable to the sale of the Products or the importation of the Products to the destination specified by the Purchaser and which duties and taxes shall be the responsibility of the Purchaser.
- 6) CREDIT APPROVAL:** Orders are accepted subject to satisfactory credit approval. Pending credit approval, delivery may be delayed without liability to Seller.
- 7) TERMS OF PAYMENT:** The terms of payment for Products purchased pursuant to this Agreement are (I) upon acceptance of the purchase order a deposit in such amount as may be set out in the Seller's written acceptance notice and (II) the balance within 30 days from the date of invoice. Any invoice amount which is not paid when due shall bear interest at the rate of one and one-half (1 ½%) percent per month until paid in full.

The Purchaser agrees that it will not have any rights of set off against or deduction from the purchase price for the Products payable by the Purchaser pursuant to this Agreement. The Purchaser grants to Seller a purchase money security interest in all Products delivered pursuant to this Agreement and all proceeds thereof (whether cash or non-cash and including, without limitation, accounts, instruments and chattel paper). Any failure by the Purchaser to pay the purchase price in full as provided in this Agreement shall constitute an event of default for purposes of said security interest. Upon the occurrence of any such default, Seller shall have all rights of a secured party after default under applicable law. Any repossession and removal of any Products shall be without prejudice to any of Seller's other remedies at law or in equity. The Purchaser agrees, without further consideration, at any time, to do or cause to be done, to execute and deliver, all such further acts and instruments (including, without limitation, financing statements approved for filing) as Seller may reasonably request in order to perfect Seller's security interest.
- 8) DELIVERY DATE:** Seller will utilize reasonable best efforts to meet the delivery schedules stipulated in this Agreement. In the event the provisions of Section 14 hereof shall apply, the delivery date shall be extended by a number of days that is equal to the duration of the event or condition that is responsible for such delay.
- 9) TITLE AND SHIPMENT:** All quotations and sales are FCA Loaded Truck ValvSource Warehouse (Inco Terms 2010) unless otherwise specified in writing and agreed by both parties. Seller's responsibility ceases upon delivery to carrier and title shall transfer and risk of loss shall be borne by Buyer at that point. Any expedited or other premium transportation charges requested by Buyer will be for the account of Buyer. Prices include domestic packing, blocked and strapped to open pallets and wrapped in Poly. No claims for price adjustments will be honored unless presented within six (6) months from date of invoice. All quotations are subject to change without notice and prior to sale of goods.
- 10) INSPECTION BY PURCHASER:** All Products must be inspected by the Purchaser upon receipt and the Purchaser and Seller, collectively, agree to file appropriate claims with the carrier when there is evidence of shipping damage, either concealed or external. Claims for shortage or error in shipment or for damage other than shipping damage must be made within 5 days after receipt of shipment, failing which the Purchaser shall be deemed to have accepted the shipment.
- 11) LIMITED WARRANTY:** Purchaser acknowledges that the Products are provided to the Purchaser subject only to the limited warranties provided by the manufacturer of the Products and are subject to all of the conditions, limitations and exclusions set out therein, all of which are hereby accepted by the Purchaser. The warranty exclusions include, without limitation, (I) any defects caused by faulty installation performed by Purchaser or third parties, (II) any damage caused by the contractors or tradesman of the Purchaser, (III) any damage caused by improper use or misuse, including exposure to excessive temperatures, moisture or cleaning agents and solvents and (IV) any damage caused during transportation or improper storage. Claims for warranty repairs and replacements must be made within the applicable time period described in the manufacturer's limited warranty. In no event shall Seller be liable for other than the repair or replacement of any defective Products. In no event shall Seller be liable for any damages, direct or indirect, special or consequential, including, without limitation, damages for lost profits, business interruption, or economic loss arising out of defects in the Products.
- 12) EXCLUSION OF WARRANTIES:** Except as expressly set forth herein seller disclaims all warranties with regard to the products including, without limitation, all implied warranties of merchantability and fitness for a particular purpose.
- 13) CATALOGUE AND OTHER PRINTED MATTER:** Seller's illustrations are representations of a certain size of each line of Product, but do not necessarily represent all sizes and materials in detail. Similarly, dimensions, weights and material information have been prepared with care, but their correctness is not guaranteed. Seller reserves the right to vary the designs and dimensions without notice.
- 14) FORCE MAJEURE:** Any delay or failure of performance by Seller shall be excused if and to the extent caused, directly or indirectly, events beyond Seller's control including, without limitation, fire, flood earthquake, lightning, hurricane, explosion, accident or breakdown, acts of God, embargo, strike, labour dispute, labour trouble, lockout, shortage or control of power supply, shortage of supplies or raw materials, or any causes whether of the same kind as the causes enumerated before or not. Subject to any express provisions of this Agreement, any such causes of delay shall extend the time of performance by the length of delay occasioned thereby.
- 15) NO WAIVER:** No waiver by Seller of any right hereunder or of any right granted in connection with a failure to perform or breach by the Purchaser shall be deemed as a waiver of any other right hereunder or of any right granted in connection with any other failure or breach by the Purchaser, whether of a similar nature or otherwise.
- 16) NOTICE:** Any notice made under or in relation to this Agreement shall be sent to the addresses first above written or such other address as the intended recipient shall have previously designated by written notice, by postage prepaid registered mail or by telegram including telex, followed by a confirmation letter by postage prepaid and return receipt requested registered mail. The notice shall be deemed to be made on the fifth day following the date of mailing.
- 17) ENTIRE AGREEMENT:** This Agreement contains the entire agreement and understanding of the parties hereto with respect to the subject matter of this Agreement, and supersedes all prior discussions, agreements, understandings of any and every nature, whether written or oral, between the parties with respect to the subject matter of this Agreement, and no condition, definition, warranty or representation other than those expressly provided for in this Agreement with respect to the subject matter of this Agreement shall be binding upon either party hereto.
- 18) AMENDMENTS IN WRITING:** Any amendment, modification, change or alteration of this Agreement shall be made in writing which expressly refers to this Agreement and which is signed by a duly authorized officer or representative of each of the parties hereto.
- 19) SEVERABILITY:** All provisions of this Agreement are severable and this Agreement shall be interpreted and enforced as if all completely invalid or unenforceable provisions were not contained herein. All partially valid and enforceable provisions shall be enforced to the extent they are valid and enforceable.
- 20) NO AGENCY OR PARTNERSHIP:** Nothing herein contained shall be deemed or construed to constitute either party the agent or partner of the other. Neither party shall have any right, title or authority to enter into any contract, agreement or commitment on behalf of the other or to bind the other in any manner whatsoever.
- 21) GOVERNING LAW:** This agreement shall be governed by and construed in accordance with the laws of the jurisdiction from which the products are shipped by the seller to the purchaser and the parties hereby attest to the courts of such jurisdiction.
- 22) ENUREMENT:** This Agreement shall enure to the benefit of and be binding upon the parties hereto and on their successors and permitted assigns.
- 23) SELLER DEFINED:** For the purposes hereof, Seller means the Corporation listed as such on the front page of the Invoice or acceptance notice of which these terms and conditions of sale form a part.



- 1,2,3 Piece Ball Valves
- Flanged Floating Ball Valves
- Knife Gate Valves
- Butterfly Valves
- Actuation
- Position Switches



- Y, Basket & Temporary Strainers
- Check Valves
- Triple Duty Valves
- Foot Valves
- Expansion Joints



- Pressure Gauges & Accessories
- Temperature Indicators
- Needle Valves
- Thermowells & Thermocouples



- Brass Ball Valves
- Bronze Gate, Globe, & Check Valves
- Cast Iron Gate, Globe, & Check Valves
- Cast & Forged Steel Gate, Globe and Check Valves



- Cast Gate, Globe & Check Valves
- Forged Gate, Globe & Checks
- Threaded Ball Valves
- Flanged Ball Valves



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