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A trusted name in industrial valve company

THREADED AND SOCKETWELD FLOATING BALL VALVES

SIZE RANGE: 1/4" - 3"





STANDARD PRODUCTS

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EXAMPLE: 1/2" BW201-3-BC-G-L

B	W20	1	—	3	—	BC	—	G	—	L
1.	2.	3.		4.		5.		6.		7.

1/2" 2000 PSI FLOATING BALL VALVE, FNPT ENDS, FULL BORE, WCB BODY x 316SS TRIM, RTFE SEAT, PTFE SEALS, NACE, LEVER OP

1. MODEL

- A - FLOATING BALL, ONE PIECE, REDUCED BORE
- B - FLOATING BALL, SPLIT BODY, FULL BORE
- C - FLOATING BALL, SPLIT BODY, REDUCED BORE
- CC - FLOATING BALL, SPLIT BOLTED BODY, REDUCED BORE
- D - FLOATING BALL, 3-PIECE, FULL BORE
- DD - FLOATING BALL, 3-PIECE, REDUCED BORE

2. RATING

- | | |
|------------------|-----------------|
| 80 - CLASS 800 | W15 - 1,500 WOG |
| 90 - CLASS 900 | W20 - 2,000 WOG |
| 150 - CLASS 1500 | W30 - 3,000 WOG |
| W08 - 800 WOG | W60 - 6,000 WOG |
| W10 - 1,000 WOG | |

3. END CONNECTION

- | | |
|---------------------------|-----------------------------------|
| 1 - SCREWED | 4 - SCREWED FEMALE x SCREWED MALE |
| 2 - SOCKET WELD | 7 - BUTTWELD |
| 3 - SCREWED x SOCKET WELD | X - SPECIAL |

4. TYPE

- | | |
|---------------|------------------|
| 1 - FIRE-SAFE | 3 - NON-FIRESAFE |
|---------------|------------------|

5. MATERIAL (BODY + TRIM)

- | | |
|----------------------|-------------------|
| BC - WCB + 316 | KF - F304 + 304 |
| BF - A105 + 316 | LC - CF8M + 316 |
| DC - WCB + F6A/13CR | LF - F316 + 316 |
| DF - A105 + F6A/13CR | NF - F316L + 316L |
| FC - LCC + F6A/13CR | PF - F51 + F51 |
| FF - LF2 + F6A/13CR | QF - F53 + F53 |
| GC - LCC + 316 | RF - F55 + F55 |
| GF - LF2 + 316 | X - SPECIAL |
| KC - CF8 + 304 | |

6. MATERIAL (SEAT)

- | | | |
|------------|------------|-------------|
| G - RTFE | V - PEEK | X - SPECIAL |
| B - NYLON | J - DELRIN | |
| E - DEVLON | M - METAL | |

7. OPERATOR

- | | |
|------------------------|---------------|
| L - HANDWHEEL OPERATOR | B - BARE STEM |
|------------------------|---------------|

8. SPECIAL REQUIREMENTS

- | | |
|----------------------|---------------------------------|
| EB - EXTENDED BONNET | S - SUPPLY COMPLETE INFORMATION |
|----------------------|---------------------------------|

SMALL FLOATING BALL VALVE



MODEL AW201

Construction: One piece body, reduced, bore, free floating ball, blow-out proof stem.

CS: Bar Stock

SS: Investment Cast

End to End: Fastwell Standard

End Threads: B2.1 NPT

Rating: 2000 WOG

****NACE MR-01-75 Certified****



Figure Number	AW201-3-BF-G-L	AW201-3-LC-G-L
Body/Retainer	A105N	A351 CF8M
Ball/Stem	316SS	316SS
Seat	RTFE	RTFE
Seals	PTFE	PTFE

STANDARD MATERIALS

Dimensions in inches

Valve Size	1/4" 8mm	3/8" 10mm	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/4" 32mm	1-1/2" 40mm	2" 50mm
Bore Size	0.20	0.28	0.36	0.49	0.63	0.79	0.96	1.26
End to End	1.90	1.86	2.46	2.75	3.38	3.69	4.00	4.50
Length of Lever	2.63	2.63	4.65	4.65	4.72	5.75	5.75	5.98
Approx. Weight (lbs.)	0.27	0.37	0.72	1.07	2.07	2.96	3.91	6.35

2000 WOG

Construction: Two piece body, full bore, free floating ball, blow-out proof stem, investment cast, locking device.

Full Bore: 1/4" – 2"

End to End: Fastwell Standard

End Threads: ASME B2.1 NPT

Rating: 2000 WOG

****NACE MR-01-75 Certified****



Figure Number	BW201-3-BC-G-L	BW201-3-LC-G-L
Body/Cap	A216 WCB	A351 CF8M
Ball/Stem	316SS	316SS
Seat	RTFE	RTFE
Seals	PTFE	PTFE

STANDARD MATERIALS

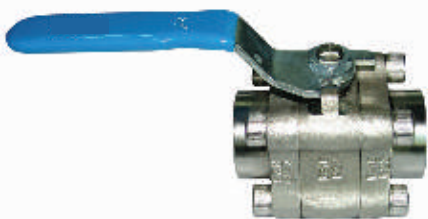
Dimensions in inches

Valve Size	1/4" 8mm	3/8" 10mm	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/4" 32mm	1-1/2" 40mm	2" 50mm
Bore Size	0.46	0.49	0.59	0.79	0.98	1.26	1.50	2.00
End to End	2.15	2.15	2.50	2.94	3.39	3.93	4.65	5.61
Length of Lever	3.94	3.94	4.33	4.72	5.91	5.91	7.09	7.75
Approx. Weight (lbs.)	0.49	0.51	0.76	1.14	1.83	3.04	4.80	6.55

2000 WOG

SMALL FLOATING BALL VALVE

MODEL D801/DD801/D1501



Construction: Three-piece body, full bore or reduced bore, free floating ball, free-safe certified to API 607, blow-out proof stem, forged body.

End to End: Fastwell Standard

End Threads: ASME B2.1 NPT

Socket Weld Ends: ASME B16.11

Butt Weld Ends: ASME B16.9

Rating: ASME CLASS 800/1500

****NACE MR-01-75 Certified****

STANDARD MATERIALS

Figure Number	Full Bore	Reduced Bore	Full Bore	Reduced Bore
	D801-1-BF-G-L D1501-1-BF-G-L	DD801-1-BF-G-L	D801-1-LF-G-L D1501-1-LF-G-L	DD801-1-LF-G-L
Body/Cap	ASTM A105N		ASTM A182 F316	
Ball/Stem	ASTM A182 F316		ASTM A182 F316	
Seats	RTFE		RTFE	
Seals	Graphite		Graphite	

CLASS 800 FULL BORE

Dimensions in inches

Valve Size	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/4" 32mm	1-1/2" 40mm	2" 50mm
Bore Size	0.59	0.79	0.98	1.26	1.50	1.97
Face to Face	5.12	5.12	6.50	6.50	7.48	7.48
Length of Lever	2.55	3.36	4.15	4.33	5.01	5.71

CLASS 800 REDUCED BORE

Dimensions in inches

Valve Size	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/4" 32mm	1-1/2" 40mm	2" 50mm
Bore Size	0.39	0.59	0.79	0.98	1.26	1.50
Face to Face	5.28	5.28	5.28	6.69	6.69	8.14
Length of Lever	2.55	2.85	3.36	4.15	4.37	5.01

CLASS 1500 FULL BORE

Dimensions in inches

Valve Size	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/4" 32mm	1-1/2" 40mm
Bore Size	0.59	0.79	0.98	1.26	1.50
Face to Face	5.12	5.12	6.50	6.50	7.48
Length of Lever	2.55	3.36	4.15	4.33	5.01

SMALL FLOATING BALL VALVE



Model DW101

Construction: Three piece body, full bore, free floating ball, blow-out proof stem, investment cast, locking device.

Options: Socket weld ends, butt weld ends

End to End: Fastwell Standard

End Threads: ASME B2.1 NPT

Socket Weld Ends: ASME B16.11

Butt Weld Ends: ASME B16.9

Rating: 1/4"-2" 1000 WOG



Figure Number	DW101-3-BC-G-L	DW101-3-LC-G-L
Body/Cap	A216 WCB	A351 CF8M
Ball/Stem	316SS	316SS
Seats	RTFE	RTFE
Seals	PTFE	PTFE

STANDARD MATERIALS

Valve Size	1/4" 8mm	3/8" 10mm	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/4" 32mm	1-1/2" 40mm	2" 50mm
Bore Size	0.51	0.51	0.59	0.79	0.98	1.26	1.50	2.00
End to End	2.28	2.28	2.48	2.91	3.35	3.90	4.45	5.16
Length of Lever	3.86	3.86	4.53	4.53	5.63	5.63	7.01	7.01
Approx. Weight (lbs.)	0.88	0.88	1.10	1.54	2.20	3.96	5.72	8.36

1000 WOG

Construction: Three piece body, full bore, free floating ball, blow-out proof stem, investment cast, locking device.

Options: Socket weld ends, butt weld ends

End to End: Fastwell Standard

End Threads: ASME B2.1 NPT

Socket Weld Ends: ASME B16.11

Butt Weld Ends: ASME B16.9

Rating: 2-1/2"-3" 800 WOG



Figure Number	DW081-3-BC-G-L	DW081-3-LC-G-L
Body/Cap	A216 WCB	A351 CF8M
Ball/Stem	316SS	316SS
Seats	RTFE	RTFE
Seals	PTFE	PTFE

STANDARD MATERIALS

Valve Size	2-1/2" 65mm	3" 80mm
Bore Size	2.56	3.15
End to End	7.28	8.35
Length of Lever	9.84	9.84
Approx. Weight (lbs.)	18.48	30.80

800 WOG

SMALL FLOATING BALL VALVE

MODEL BW301/CW301



Construction: Two-piece body, free floating ball, fire-safe certified to API-607, blow-out proof stem, investment and/or shell mold cast, locking device, ISO-5211 mounting pad.

Full Bore: 1/4" – 3/4" and 1-1/2"

Reduced Bore: 1" and 2"

End to End: Fastwell Standard

End Threads: ASME B1.20.1

Rating: 3000 WOG

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STANDARD MATERIALS

Figure Number	Full Bore BW301-1-BC-J-L	Reduced Bore CW301-1-BC-J-L	Full Bore BW301-1-LC-J-L	Reduced Bore CW301-1-LC-J-L
Body/Adapter Ball/Stem Seats Seals	A216 WCB / AISI 1018 316SSS Delrin Graphite		A351 CF8M 316SS Delrin Graphite	

3000 WOG

Dimensions in inches

Valve Size	1/4" 8mm	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/2" 40mm	2" 50mm
Bore Size	0.25	0.50	0.75	0.75	1.50	1.50
End to End	3.00	4.00	4.25	4.25	5.25	6.25
Length of Lever	5.00	5.00	5.83	5.83	10.00	10.00
Approx. Weight (lbs.)	1.61	1.61	2.93	2.69	10.70	11.29



Construction: Two-piece body, free floating ball, fire-safe certified to API-607, blow-out proof stem, investment and/or shell mold cast, locking device, ISO-5211 mounting pad.

Full Bore: 1/4" – 3/4" and 1-1/2"

Reduced Bore: 1" and 2"

End to End: Fastwell Standard

End Threads: ASME B1.20.1

Rating: 6000 WOG

****NACE MR-01-75 Certified****

STANDARD MATERIALS

Figure Number	Full Bore BW601-1-BC-J-L	Reduced Bore CW601-1-BC-J-L	Full Bore BW601-1-LC-J-L	Reduced Bore CW601-1-LC-J-L
Body/Adapter Ball/Stem Seats Seals	A216 WCB / AISI 1018 316SSS Delrin Graphite		A351 CF8M 316SS Delrin Graphite	

Dimensions in inches

Valve Size	1/4" 8mm	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/2" 40mm	2" 50mm
Bore Size	0.25	0.50	0.75	0.75	1.50	1.50
End to End	3.00	4.00	4.25	4.25	5.25	6.25
Length of Lever	4.33	4.33	5.83	5.83	10.00	10.00
Approx. Weight (lbs.)	1.61	1.63	3.37	3.35	14.20	15.58

6000 WOG

SMALL FLOATING BALL VALVE



MODEL BW304/CW304

Construction: Two piece body, free floating ball, fire-safe tested to API-607, blow-out proof stem, investment and/or shell mold cast, locking device, ISO-5211 mounting pad.

Full Bore: 1/4" – 3/4"

Reduced Bore: 1"

End to End: Fastwell Standard Male x Female

End Threads: ASME B1.20.1

Rating: 3000 WOG

****NACE MR-01-75 Certified****



STANDARD MATERIALS

Figure Number	Full Bore BW304-1-BC-J-L	Reduced Bore CW304-1-BC-J-L	Full Bore BW304-1-LC-J-L	Reduced Bore CW304-1-LC-J-L
Body/Adapter	A216 WCB / AISI 1018		A351 CF8M	
Ball/Stem	316SSS		316SS	
Seats	Delrin		Delrin	
Seals	Graphite		Graphite	

Dimensions in inches

Valve Size	1/4" 8mm	1/2" 15mm	3/4" 20mm	1" 25mm
Bore Size	0.25	0.50	0.75	0.75
End to End	3.88	4.25	4.69	4.69
Length of Lever	5.00	5.00	5.83	5.83
Approx. Weight (lbs.)	1.61	1.61	2.93	2.69

3000 WOG

Construction: Two piece body, free floating ball, fire-safe tested to API-607, blow-out proof stem, investment and/or shell mold cast, locking device, ISO-5211 mounting pad.

Full Bore: 1/4" – 3/4"

Reduced Bore: 1"

End to End: Fastwell Standard Male x Female

End Threads: ASME B1.20.1

Rating: 6000 WOG

****NACE MR-01-75 Certified****



STANDARD MATERIALS

Figure Number	Full Bore BW604-1-BC-J-L	Reduced Bore CW604-1-BC-J-L	Full Bore BW604-1-LC-J-L	Reduced Bore CW604-1-LC-J-L
Body/Adapter	A216 WCB / AISI 1018		A351 CF8M	
Ball/Stem	316SSS		316SS	
Seats	Delrin		Delrin	
Seals	Graphite		Graphite	

Dimensions in inches

Valve Size	1/4" 8mm	1/2" 15mm	3/4" 20mm	1" 25mm
Bore Size	0.25	0.50	0.75	0.75
End to End	3.88	4.25	4.69	4.69
Length of Lever	5.00	5.00	5.83	5.83
Approx. Weight (lbs.)	1.61	1.61	2.93	2.69

6000 WOG

SMALL FLOATING BALL VALVE

MODEL CC W301



Construction: Two piece body. reduced, bore, free floating ball, blow-out proof stem.

End to End: Fastwell Standard

End Threads: B2.1 NPT

Rating: 3000 WOG

STANDARD MATERIALS

****NACE MR-01-75 Certified****

Figure Number	CCW301-1-BF-G-L
Body/Retainer	A105N
Ball/Stem	316SS
Seat	RTFE
Seals	Graphite

Dimensions in inches

Valve Size	1" 25mm	2" 50mm
Bore Size	1.00	1.50
End to End	3.87	5.5
Length of Lever	4.37	10.0
Approx. Weight (lbs.)	3.91	13.0

3000 WOG

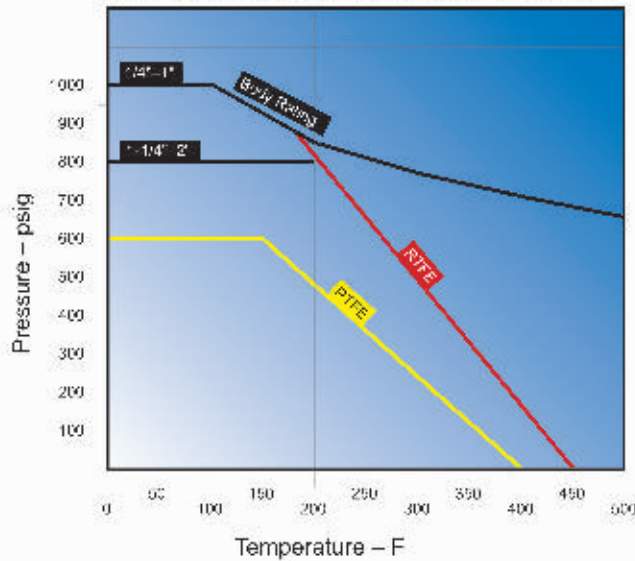
PRESSURE TEMPERATURE CHART



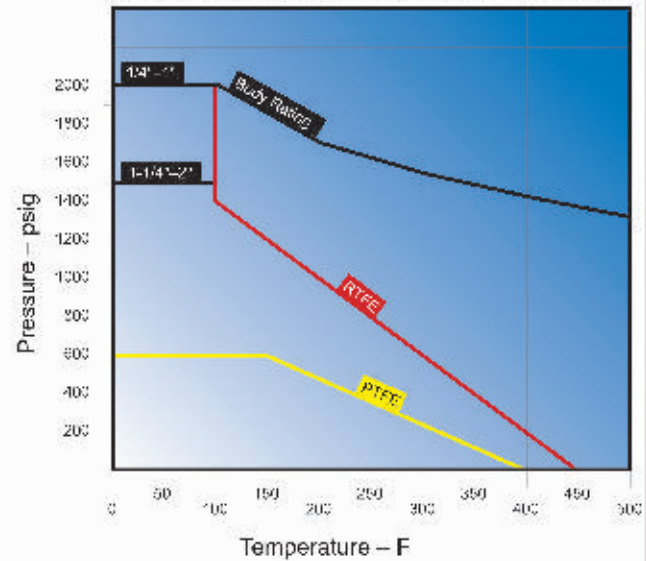
MODEL AW, BW, CW & DW FLOATING BALL VALVE

The following chart indicates the pressure and temperature ratings for commonly used seat and seal material used in Fastwell 1000, 2000, 3000 and 6000 WOG floating ball valves. Other materials are available upon request.

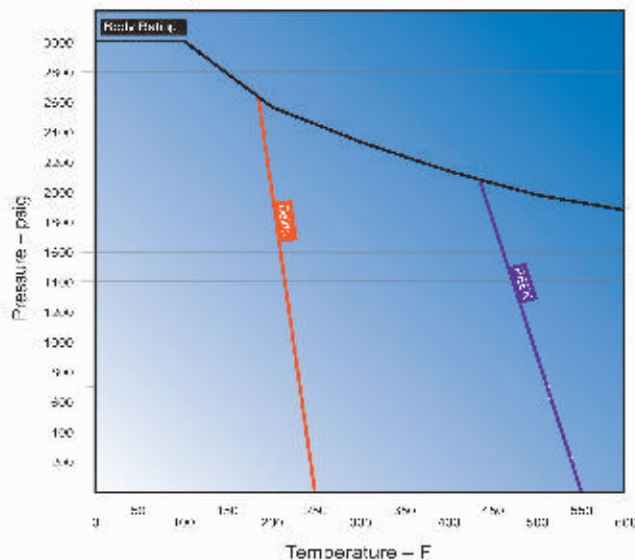
BW101, DW101 RATING 1000 PSI WOG



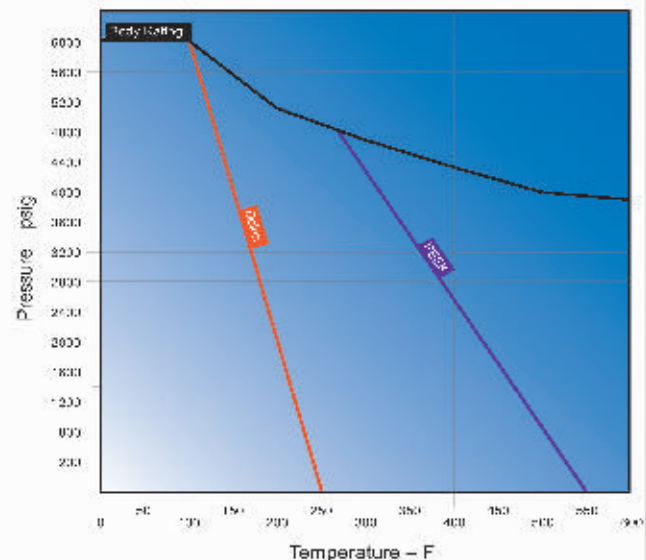
AW201, CW201 RATING 2000 PSI WOG



BW301, CW301 RATING 3000 PSI WOG



BW601, CW601 RATING 6000 PSI WOG



SCOPE

These terms and conditions apply to all Fastwell valve products, and supersedes all previously published terms and conditions.

Hereafter, Fastwell Fitting Industries shall be referred to as Fastwell.

Special terms and conditions printed on a buyer's order will only apply insofar as they conform to the terms and conditions detailed on these pages. Terms and conditions of an order that change or modify those on this sheet shall not be binding on Fastwell.

APPROVAL

All quotations, contracts, orders, or agreements are subject to approval and/or acceptance by the main office of Fastwell.

We reserve the right to correct clerical or stenographic errors in quotations, orders, invoices, and other contracts, agreements, or documents.

PRICES

Possession of price lists will not be accepted by Fastwell as an obligation, or offer to sell the goods listed therein to anyone.

All prices contained therein are subject to change without notice, and supersede all previous lists. All orders will be invoiced at prices in effect at the time of shipment unless quoted in writing.

CHANGES

Orders cannot be cancelled or specifications be changed without the consent of Fastwell and then only in terms indemnifying Fastwell against loss.

QUOTATIONS

Goods quoted F.O.B. our service center are subject to prior sale. Prices quoted are valid only for the duration indicated in the quotation. Quoted prices supersede all previous prices, quotations, or contracts, and are subject to change without notice.

CANCELLATIONS

Orders placed with us cannot be cancelled without our prior written consent. A cancellation charge will be applicable as outlined in our quotation.

CLAIMS

All claims for shortages, corrections, or deductions must be made within 10 days after receipt of goods. Responsibility for goods lost or damaged in transit rests with carrier, and claims should be filed with the carrier by the consignee. Delivery of material to a common carrier shall be considered delivery to the buyer, and shall be at the buyers risk thereafter.

DELIVERY DELAYS

We assume no responsibility for delays in delivery, or defaults resulting from strikes, work stoppages, fires, floods, accidents, war, inability to obtain materials, or any other cause unavoidable and beyond our control.

TAXES

Fastwell quotations and/or contracts do not include any municipal, state, or federal sales, excise, use occupational, or other taxes, and any such tax, if paid by us will be charged to the purchaser.

CATALOG ILLUSTRATIONS

Catalog illustrations are actual representations of a certain size of each product line, but do not necessarily represent all sizes in details. We reserve the right to institute changes in materials, designs, and specifications without notice in keeping with our policy of continuing product improvement.

CATALOG WEIGHTS

Catalog weights represent average weights of products and are in no sense guaranteed.

RETURNS

See Return Goods Policy on next page.

SPECIAL ORDERS

Orders for special goods must be in writing and accompanied with detailed prints and/or sets of specifications, unless specifications on the orders are definite and complete. Orders will not be entered with the factory unless this is adhered to. Cancellation charges will be as outlined in our quotations.

FREIGHT TERMS

All shipments are F.O.B. our service centers. See current bulletin for freight allowance.

WARRANTY

See warranty on reverse side

RETURN GOOD POLICY



This policy supersedes all other policies for return goods.

I. Goods returned at customers request:

- A. Material must be:
 - 1. Of our manufacture.
 - 2. In clean, new and saleable condition. It must have been stored inside out of the weather.
 - 3. Shipped from one of our service centers within the 12 calendar months preceding the request for return, and the return will not cause inventory to exceed maximum allowable levels.
 - 4. Personally inspected by a Fastwell representative prior to its return.
 - 5. Special or non-standard items are non-returnable.
- B. Return shipments must be prepaid.
- C. Credit will be allowed at invoice price, less 25% handling cost, and less any freight paid by Fastwell
- D. A Return Goods Card must be furnished by a Fastwell representative after inspection of the material, and must be returned with the shipment.
- E. Shipments received without a Return Goods Authorization Card will be refused. Customer will be responsible for any storage and/or return freight.
- F. Material returned which is not of Fastwell manufacture, not in clean and saleable condition, or not authorized for return will be returned to the customer freight collect.

II. Goods returned because of an error by Fastwell

- A. Material must be in a clean, new, saleable condition.
- B. Return shipment should be made freight collect.
- C. Full credit will be allowed.
- D. Customer must receive Return Goods authorization prior to the return of the material. Return Goods Authorization Card must accompany shipment. Shipments received without Return Goods Authorization Card will be refused. Return Goods Authorization Card should be attached to the packing list.

All requests to return material to **Fastwell Fitting Industries** must be submitted in writing to our National Sales Manager for authorization.

WARRANTY

Fastwell Fitting Industries warrants each product sold, if the products are of our manufacture, against defects in material and workmanship under normal use and service for a period of one year after date of shipment.

This warranty is made to the buyer only, and does not extend to any other party. The obligation of Fastwell Valve International, Inc. under this warranty is limited to: (a) replacement of any part or parts proven defective in material or workmanship, (b) repair of the product F.O.B. the factory or service center, (c) refund of the purchase price. In the case of product or parts not wholly of Fastwell manufacture, Fastwell liability under this warranty shall be limited to the extent of Fastwell recovery from the manufacturer of such parts under its warranty to Fastwell. This warranty does not extend to any claims for labor, consequential damages, down time, or any other loss, damage, or expense of any kind arising out of the defect. We do not allow claims for unauthorized repairs, labor, or material. We are not responsible for loss of use, personal injury, lost profits, or any other damages whatsoever in connection with the warranties set forth.

No warranty shall apply to any product which has been modified or changed in design or function after leaving Fastwell facilities or which is misused or operated beyond its design capabilities, or used for other than its intended purpose. Purchasers of Fastwell products should consult knowledgeable advisors in the selection of product type and material of construction for their specific use. The buyer assumes all risk of this selection.

The buyer shall permit Fastwell or its authorized representative to inspect the product so that it may determine its obligation. Fastwell shall be entitled to the return of the defective product or parts. Buyer must notify Fastwell promptly upon discover of any claimed defect.

No material may be returned without first obtaining written permission from **Fastwell Fitting Industries**



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