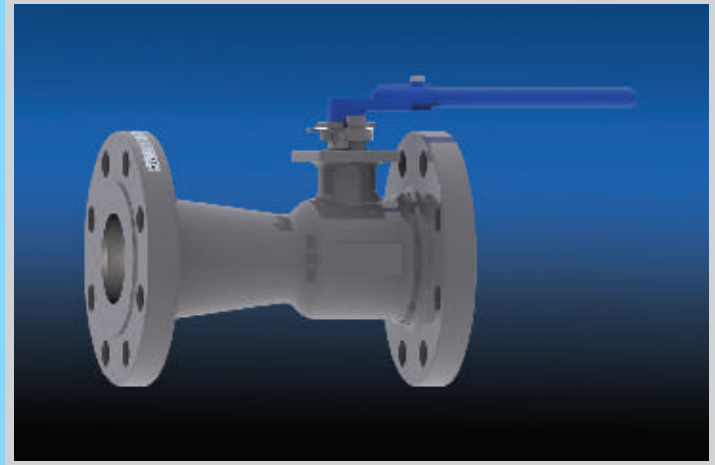


A trusted name in industrial valve company



FLANGED FLOATING BALL VALVES

PRESSURE CLASS:

ASME 150-600

SIZE RANGE : 1/2" - 10"

API STANDARDS : 6D & 608

ASME B16.34



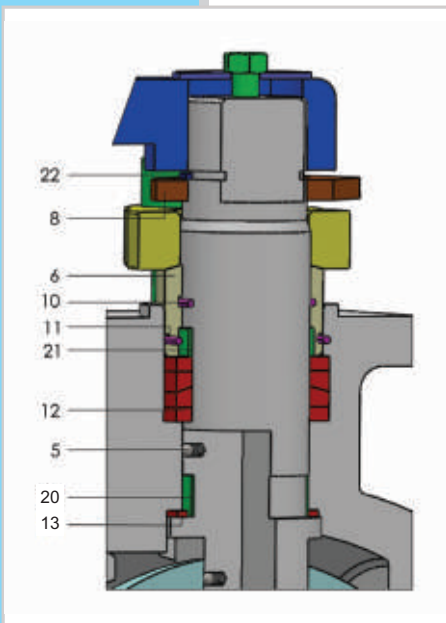
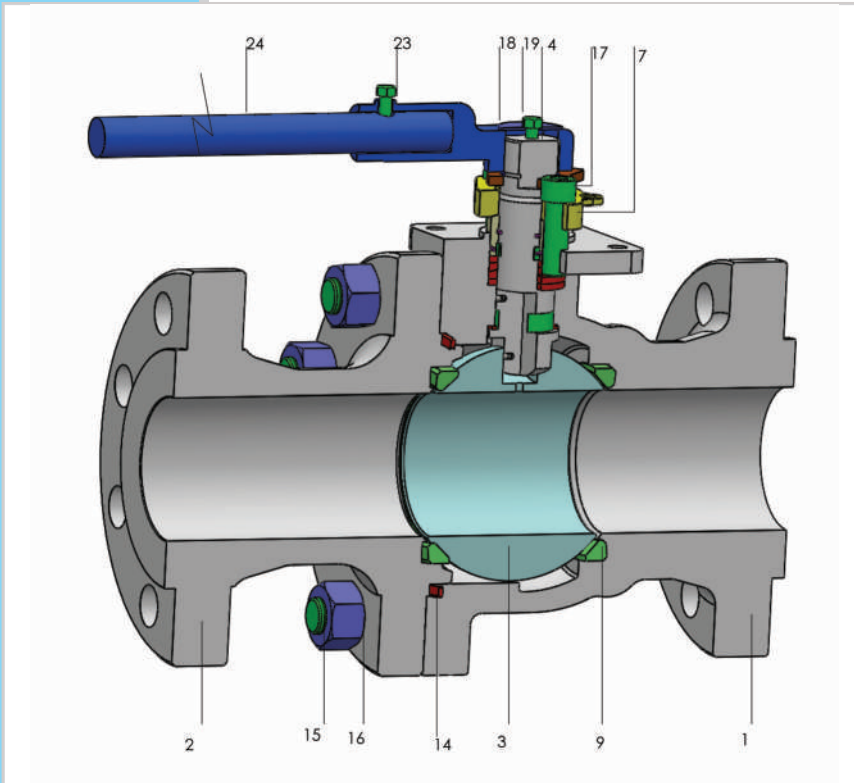
STANDARD FEATURES

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SPLIT BODY BALL VALVES



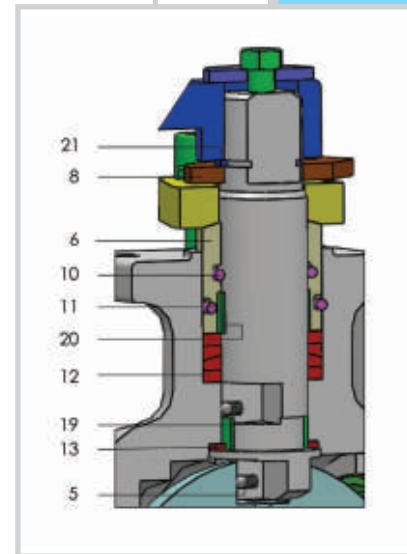
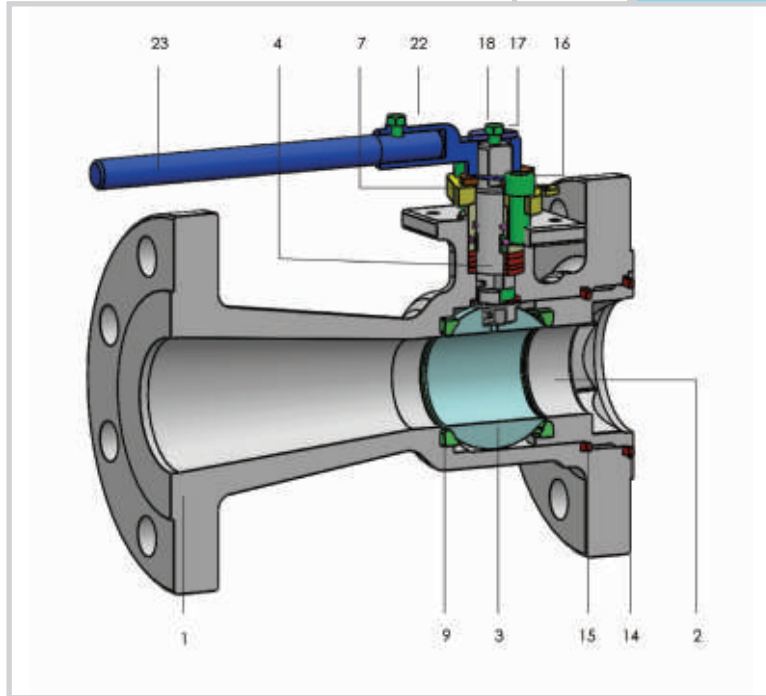
The Fastwell SPLIT BODY ball valves are designed, constructed and tested according to the most recent international standards, such as API, ASME, BS, DIN, etc.

1. Body
2. Cap
3. Ball
4. Stem
5. Anti-Static Spring And Ball
6. Gland Bushing
7. Gland Flange
8. Combination Lock Stop
9. Cavity Relieving Seat
10. Stem O-Ring
11. Gland O-Ring
12. Packing
13. Back Seat
14. Spiral Wound Gasket
15. Body Stud
16. Body Nut
17. Gland Screw
18. Stem Washer
19. Stem Bolt
20. Stem Bushing
21. Gland Bearing
22. Snap Ring
23. Handle Joint
24. Handle Bar

UNI BODY BALL VALVES

The Fastwell UNIBODY ball valves are designed, constructed and tested according to the most recent international standards, such as API, ASME, BS, DIN, etc.

1. Body
2. Cap
3. Ball
4. Stem
5. Anti-Static Spring And Ball
6. Gland Bushing
7. Gland Flange
8. Combination Lock Stop
9. Cavity Relieving Seat
10. Stem O-Ring
11. Gland O-Ring
12. Packing
13. Back Seat
14. Graphite Gasket
15. PTFE Gasket
16. Gland Screw
17. Stem Washer
18. Stem Bolt
19. Stem Bushing
20. Gland Bearing
21. Snap Ring
22. Handle Joint
23. Handle Bar



SPLIT BODY & UNIBODY BALL VALVES

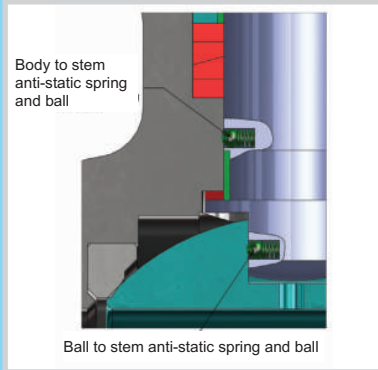


Figure 1

Ball valves present a particular problem with the build up of static electricity around the ball. All Fastwell ball valves have anti-static devices which provides contact between stem and ball, and stem and body to eliminate static electricity.

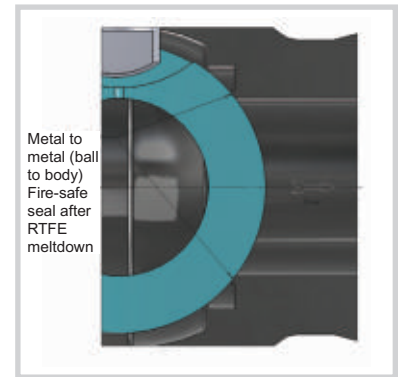


Figure 2

In the event of a fire the valve is required to make a downstream seal. Even after the disintegration of the RTFE seats, Fastwell ball valves have an excellent metal to metal seal.

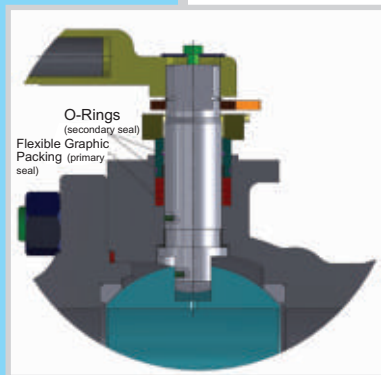


Figure 3

The combination of stem packing and o-rings guarantee zero emissions even at low pressure. The primary seal is made out of flexible graphite, a material with extremely good resistance to fire conditions. The anti-blow out stem is inserted from inside the valve body.

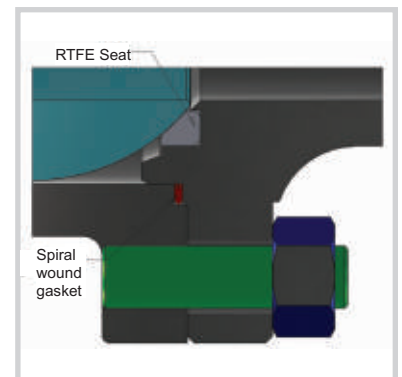


Figure 4

Special attention has been paid to the mechanical strength and sealing efficiency of the central fanged joint in the valve body.

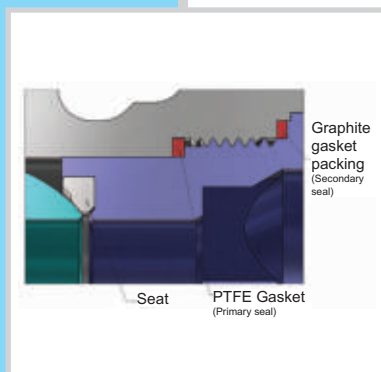


Figure 5 (unibody only)

The PTFE gasket packing acts as a primary seal for the Unibody ball valves. The secondary seal has been made out of flexible graphite, a material with extremely good resistance to fire conditions.

UNIBODY FLOATING BALL VALVE

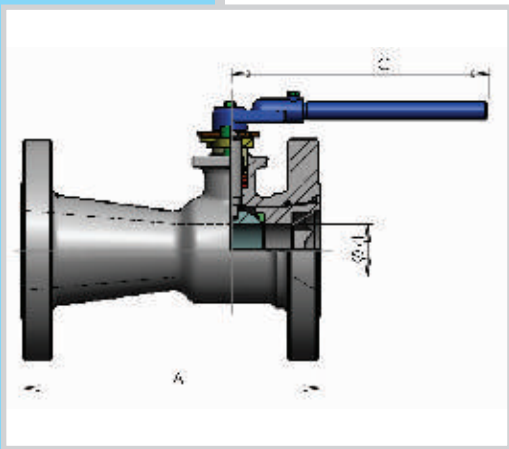


Construction: Unibody, reduced bore, free floating ball, fire-safe certified to API-607, blow-out proof stem, cavity relieving seats, anti-static device, designed and tested according to ASME B16.34, BS5351 and API-6D.

Dimensions

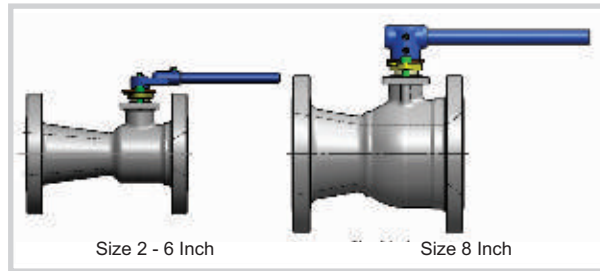
Face to Face	ASME B16.10 Short Pattern
End Flange	ASME B16.5
Rating	ASME Class 150-300

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



STANDARD MATERIALS

Figure Number	A150-1-BC-G2-L, A300-1-BC-G2-L	A150-1-LC-G2-L, A300-1-LC-G2-L
Body/Retainer	A216 WCB	A351 CF8M
Ball/Stem	316SS	316SS
Seats	RTFE	RTFE
O-Rings	Viton-B	Viton-B



CLASS 150

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm
Bore Size (d)	1.50	2.50	3.00	4.00	6.00
Face to Face (A)	7.00	8.00	9.00	10.50	11.50
Length of Lever (C)	10.50	10.50	15.30	19.20	-
Approx. Weight (lbs.)	16	28	54	84	160

CLASS 300

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm
Bore Size (d)	1.50	2.00	3.00	4.00	6.00
Face to Face (A)	8.50	11.125	12.00	15.875	16.50
Length of Lever (C)	10.50	10.50	15.30	19.2	-
Approx. Weight (lbs.)	24	50	85	132	200

SPLIT BODY FLOATING BALL VALVE



Construction: Split body, full bore, free floating ball, fire-safe certified to API-607, blow-out proof stem, cavity relieving seats, anti-static device, designed and tested according to ASME B16.34, BS5351 and API-6D.

Dimensions

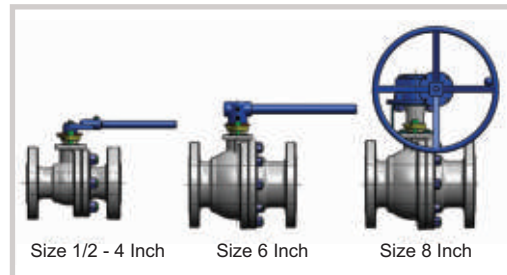
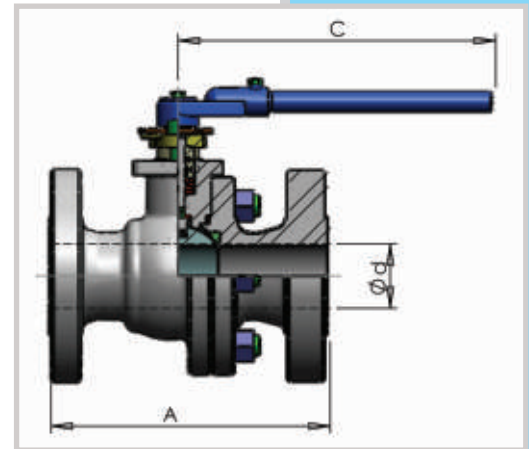
Face to Face	ASME B16.10 Long Pattern
End Flange	ASME B16.5
Rating	ASME Class 150-300

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



STANDARD MATERIALS

Figure Number	B150-1-BC-G2-L, B300-1-BC-G2-L	B150-1-LC-G2-L, B300-1-LC-G2-L
Body/Cap	A216 WCB	A351 CF8M
Ball/Stem	316SS	316SS
Seats	RTFE	RTFE
O-Rings	Viton-B	Viton-B



Dimensions in inches

CLASS 150

Valve Size	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/2" 40mm	2" 50mm	2-1/2" 65mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm
Bore Size (d)	0.50	0.75	1.00	1.50	2.00	2.50	3.00	4.00	6.00	8.00
Face to Face (A)	4.25	4.625	5.00	6.50	7.00	7.50	8.00	9.00	15.50	18.00
Length of Lever (C)	6.02	6.02	8.66	9.84	9.84	13.78	13.78	18.11	31.50	-
Wheel Diameter (F)	-	-	-	-	-	-	-	-	-	24.00
Approx. Weight (lbs.)	5	7	10	20	26	35	56	80	172	378

Dimensions in inches

CLASS 300

Valve Size	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/2" 40mm	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm
Bore Size (d)	0.50	0.75	1.00	1.50	2.00	3.00	4.00	6.00	8.00
Face to Face (A)	5.50	6.00	6.50	7.50	8.50	11.125	12.00	15.875	19.75
Length of Lever (C)	6.02	6.02	8.66	9.84	9.84	13.78	18.11	31.50	-
Wheel Diameter (F)	-	-	-	-	-	-	-	-	24.00
Approx. Weight (lbs.)	9	11	15	28	38	75	110	230	481

SPLIT BODY FLOATING BALL VALVE



Construction: Split body, reduced bore, free floating ball, fire-safe certified to API-607, blow-out proof stem, cavity relieving seats, anti-static device, designed and tested according to ASME B16.34, BS5351 and API-6D.

Dimensions

Face to Face	ASME B16.10 Short Pattern
End Flange	ASME B16.5
Rating	ASME Class 150-300

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

STANDARD MATERIALS

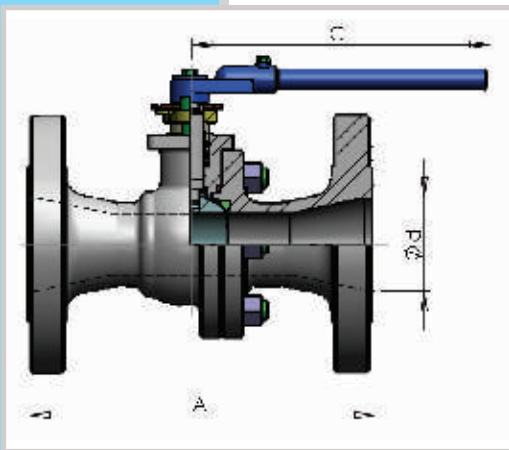
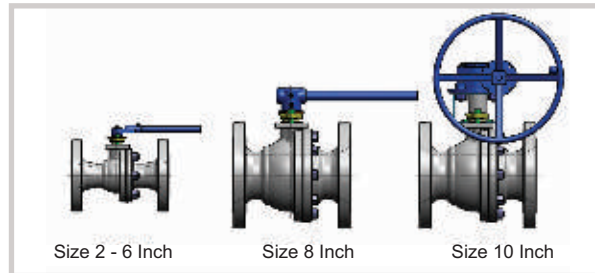


Figure Number	C150-1-BC-G2-L, C300-1-BC-G2-L	C150-1-LC-G2-L, C300-1-LC-G2-L
Body/Cap	A216 WCB	A351 CF8M
Ball/Stem	316SS	316SS
Seats	RTFE	RTFE
O-Rings	Viton-B	Viton-B



CLASS 150

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm
Bore Size (d)	1.50	2.00	3.00	4.00	6.00	8.00
Face to Face (A)	7.00	8.00	9.00	10.50	11.50	13.00
Length of Lever (C)	9.50	9.50	13.80	18.10	29.50	-
Wheel Diameter (F)	-	-	-	-	-	24.00
Approx. Weight (lbs.)	21	48	69	124	189	446

CLASS 300

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm
Bore Size (d)	1.50	2.00	3.00	4.00	6.00	8.00
Face to Face (A)	8.50	11.125	12.00	15.875	16.50	18.00
Length of Lever (C)	9.50	9.50	13.80	18.10	29.50	-
Wheel Diameter (F)	-	-	-	-	-	24.00
Approx. Weight (lbs.)	30	58	97	208	370	581

SPLIT BODY FLOATING BALL VALVE



Construction: Split body, full bore or reduced bore, free floating ball, fire-safe certified to API-607, blow-out proof stem, cavity relieving seats, anti-static device, designed and tested according to ASME B16.34, BS5351 and API-6D.

Dimensions

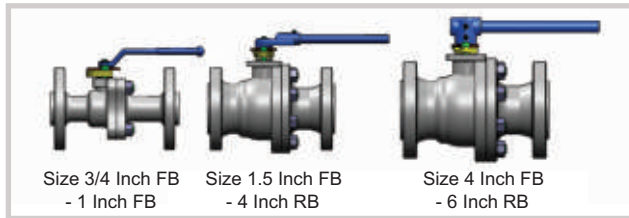
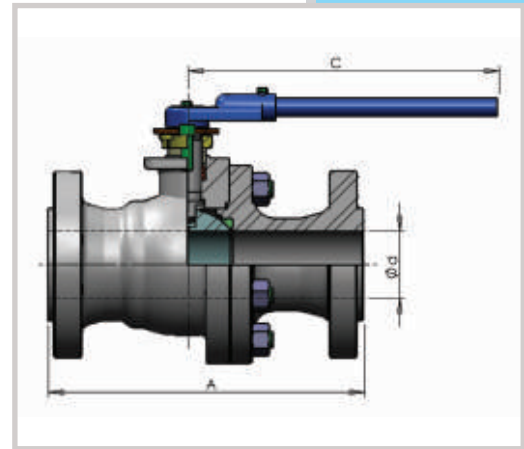
Face to Face	ASME B16.10 Long Pattern
End Flange	ASME B16.5
Rating	ASME Class 600

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



STANDARD MATERIALS

Figure Number	B600-1-BC-B2-L, C600-1-BC-B2-L	B600-1-LC-B-B2-L, C600-1-LC-B2-L
Body/Cap	A216 WCB	A351 CF8M
Ball/Stem	316SS	316SS
Seats	Nylon	Nylon
O-Rings	Viton-B	Viton-B



Dimensions in inches

CLASS 600 REDUCED BORE

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm
Bore Size (d)	1.50	2.00	3.00	4.00
Face to Face (A)	RF	11.50	14.00	17.00
	RTJ	11.62	14.12	17.12
Length of Lever (C)	9.84	9.84	13.78	33.4
Approx. Weight (lbs.)	42	81	131	244

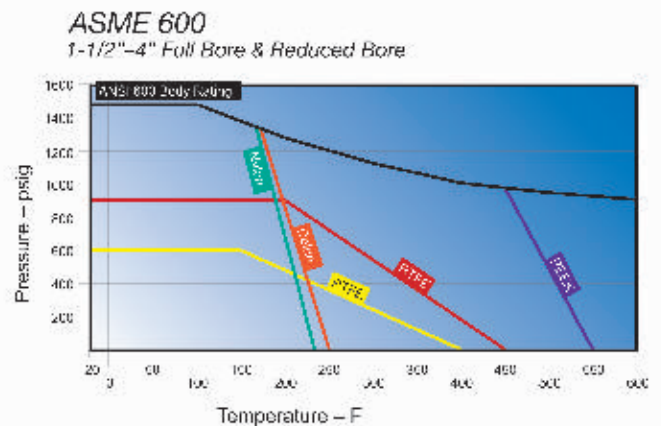
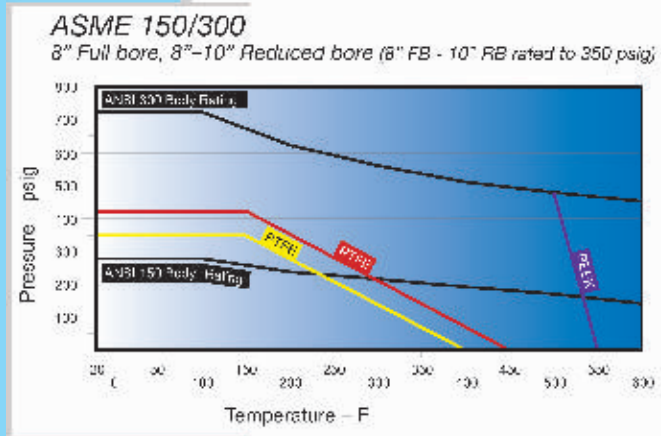
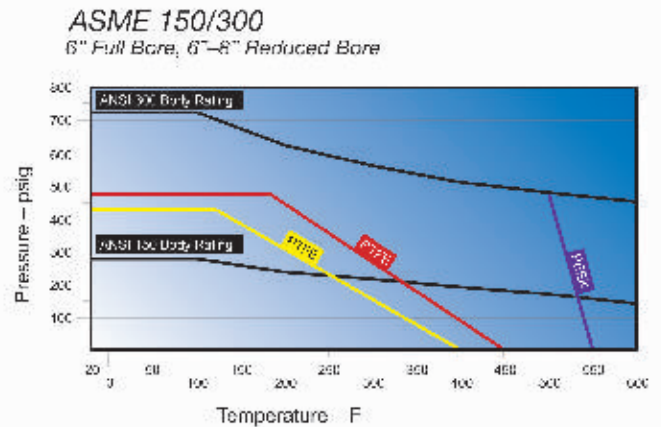
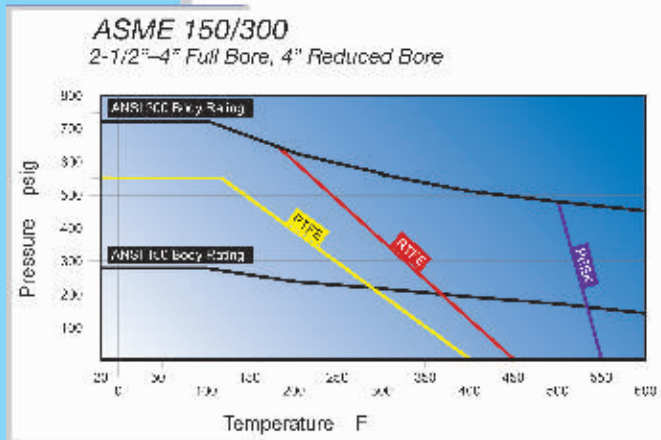
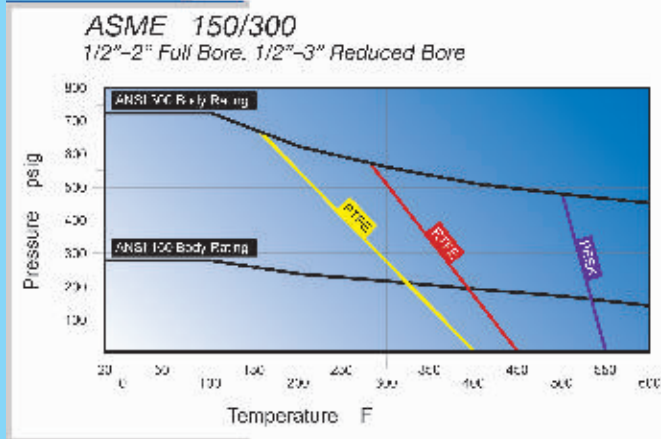
Dimensions in inches

CLASS 600 FULL BORE

Valve Size	1/2" 15mm	3/4" 20mm	1" 25mm	1-1/2" 40mm	2" 50mm	3" 80mm	4" 100mm
Bore Size	0.50	0.75	1.00	1.50	2.00	3.00	4.00
Face to Face (A)	RF	6.50	7.50	8.50	9.50	11.50	17.00
	RTJ	6.50	7.50	8.50	9.50	11.62	17.12
Length of Lever (C)	5.90	5.90	8.66	9.84	9.84	13.78	31.50
Approx. Weight (lbs.)	10	12	16	31	44	104	176

PRESSURE TEMPERATURE CHART

The following chart indicates the pressure and temperature ratings for commonly used seat and seal material used in ASME 150#–600# Fastwell floating ball valves. Other materials are available upon request.



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.

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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.

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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 Fitting Industries**. 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 Valve International, Inc.





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