

STANVAL



**PROVEN TECHNOLOGY FOR INDIVIDUAL VALVE SOLUTIONS
*WORLDWIDE***

***BALL VALVES
NEEDLE VALVES
GAUGE VALVES***



Specification 6D
Certificate #04-0386



CATALOG NUMBER BV-1005

TABLE OF CONTENTS

Standard Features

Split Body Ball Valves 4

Unibody Ball Valves 5

Split Body & Unibody Safety Features 6

Three-Piece Trunnions 7

Split Body Trunnions 9

Ordering Guide 11

Standard Products

Unibody Valves 12

Split Body Valves 13

Trunnions Valves 16

One, Two, and Three Piece Valves 27

Needle Valves 32

Gauge Valves 34

Pressure/Temperature Charts 35

Terms and Conditions of Sale 39

Return Goods Policy and Warranty 40

Below: API-6FA firesafe test in process at Anderson & Associates in Houston, Texas.
Lower Right: Successfully completed fire-safe test.



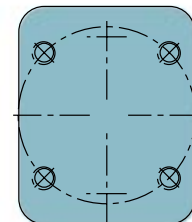
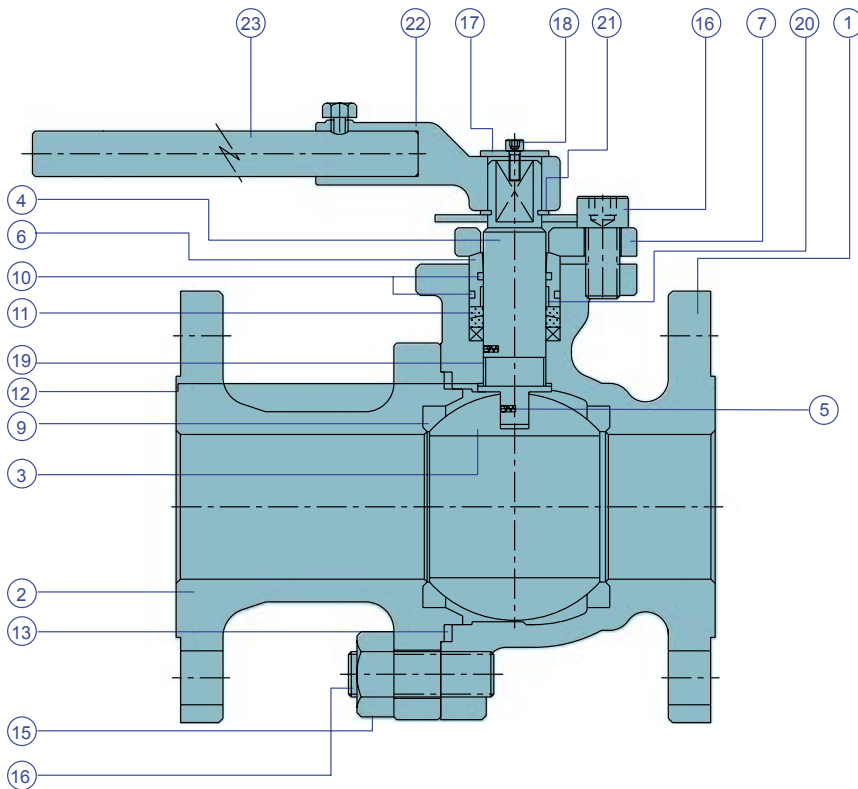
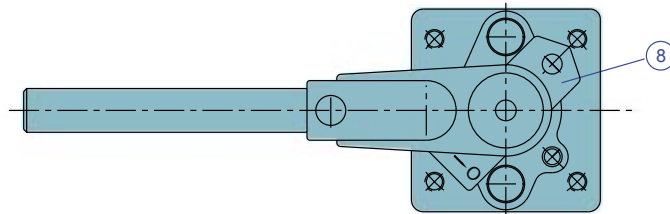
STANDARD FEATURES - STANVAL Split Body Ball Valves

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

- 1 & 2. Body (1) & Cap (2) are manufactured through our in-house casting systems and made out of Carbon Steel & Austenitic Stainless Steel. These materials are in full compliance with NACE-MR-01-75. Special materials can be supplied upon request.
- 3. Precision machined balls to 4RMS provides superior quality with low torque and no leakage.
- 4. Parallel Flat Stem – The blow-out proof stem prevents the media from blowing out from pressure within the body cavity.

- 5. Anti-Static Ball (see page 6, Figure 1)
- 6. Gland Bushing
- 7. Gland
- 8. Combination Lock Stop
- 9. Cavity Relieving Seat – The seat is carefully designed in such a way that no excessive pressure can be built up in the cavity under temperature fluctuations (see page 6, Figure 2)
- 10 & 11. Combination O-Ring (10) and Gland Packing (11) – Flexible graphite packing further assures prevention of leakage when exposed to a fire (see page 6, Figure 3)
- 12. Back Seat
- 13. Spiral Wound Gasket

- 14. Body Stud Bolt
- 15. Nut
- 16. Gland Bolt
- 17. Stem Washer
- 18. Stem Bolt
- 19. Stem Bushing
- 20. Gland Bearing
- 21. Snap Ring
- 22. Handle
- 23. Handle Bar
- 24. Split Body Construction with positive alignment and bolted design (see page 6, Figure 4)
- 25. Integral ISO Mounting Pad



INTEGRAL ISO MOUNTING PAD

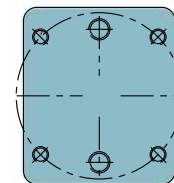
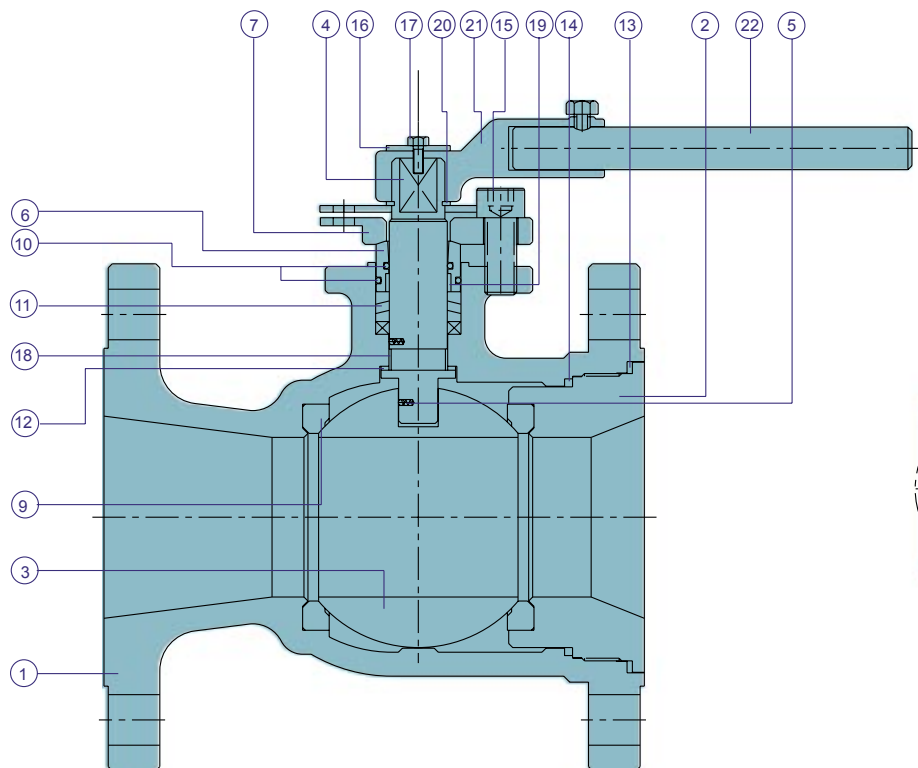
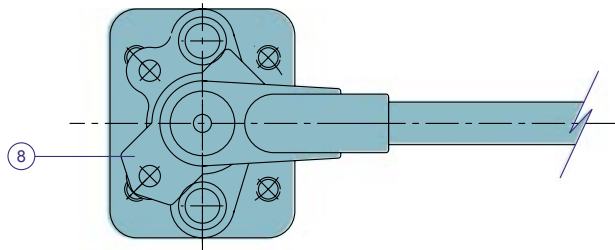
STANDARD FEATURES - STANVAL Unibody Ball Valves

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

- 1 & 2. Body (1) & Retainer (2) are manufactured through our in-house casting systems and made out of Carbon Steel & Austenitic Stainless Steel. These materials are in full compliance with NACE-MR-01-75. Special materials can be supplied upon request.
- 3. Precision machined balls to 4RMS provides superior quality with low torque and no leakage.
- 4. Parallel Flat Stem – The blow-out proof stem prevents the media from blowing out from pressure within the body cavity.

- 5. Anti-Static Ball (see page 6, Figure 1)
- 6. Gland Bushing
- 7. Gland
- 8. Combination Lock Stop
- 9. Cavity Relieving Seat – The seat is carefully designed in such a way that no excessive pressure can be built up in the cavity under temperature fluctuations (see page 6, Figure 2)
- 10 & 11. Combination O-Ring (10) and Gland Packing (11) – Flexible graphite packing further assures prevention of leakage when exposed to a fire (see page 6, Figure 3)
- 12. Back Seat
- 13. Graphite Gasket

- 14. PTFE Gasket
- 15. Gland Bolt
- 16. Stem Washer
- 17. Stem Bolt
- 18. Stem Bushing
- 19. Gland Bearing
- 20. Snap Ring
- 21. Handle
- 22. Handle Bar
- 23. STANVAL's unique double sealing design:
Primary Seal – PTFE
Secondary Seal – Graphite (see page 6, Figure 5)
- 24. Integral ISO Mounting Pad



INTEGRAL ISO MOUNTING PAD

SAFTEY FEATURES - STANVAL Split Body & Unibody Ball Valves

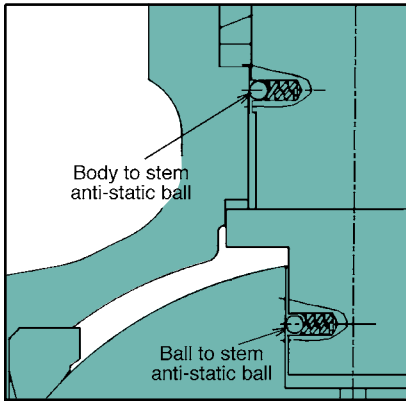


Figure 1
Ball valves present a particular problem with the build up of static electricity around the ball. All STANVAL ball valves have anti-static devices which provides contact between stem and ball, and stem and body to eliminate static electricity.

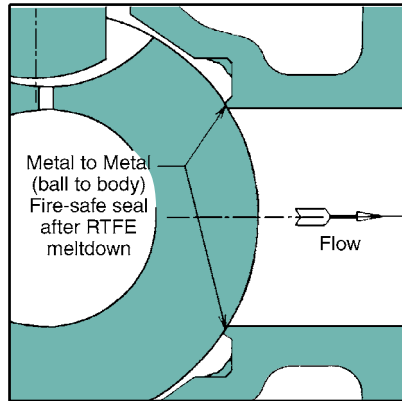


Figure 2
In the event of a fire the valve is required to make a downstream seal. Even after the disintegration of the RTFE seats, STANVAL ball valves have an excellent metal to metal seal.

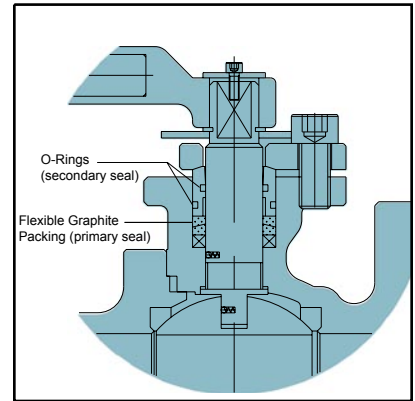


Figure 3
The combination of stem packing and o-rings guarantee zero omissions even at low pressure. The primary seal is made out of flexible graphite, a material with extremely good resistance to fire conditions. The anti-blow out stem is inserted from inside the valve body.

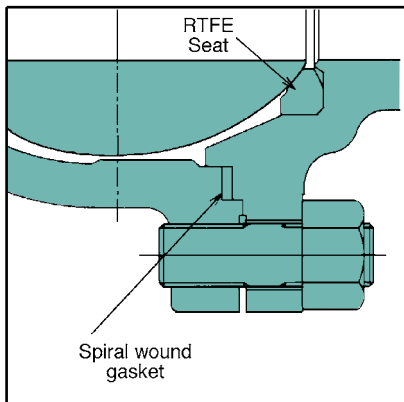


Figure 4
Special attention has been paid to the mechanical strength and sealing efficiency of the central flanged joint in the valve body.

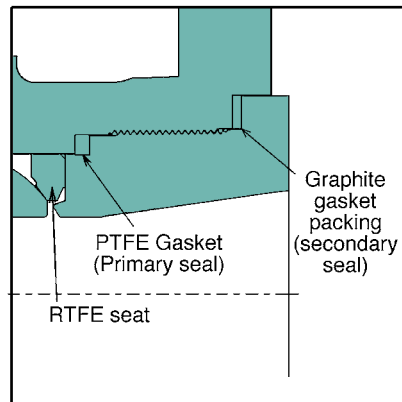


Figure 5 (unibody only)
The PTFE gasket packing acts as a primary seal for the Unibody ball valves. The secondary seal has been made out of flexible graphite, a material with extremely good resistance to fire conditions.

STANDARD FEATURES - STANVAL Three-Piece Trunnions

The STANVAL THREE-PIECE TRUNNION MOUNTED ball valves are designed, constructed and tested according to API-6D. The full range of STANVAL Trunnion Ball Valves are supplied standard in full compliance with NACE MR-01-75.

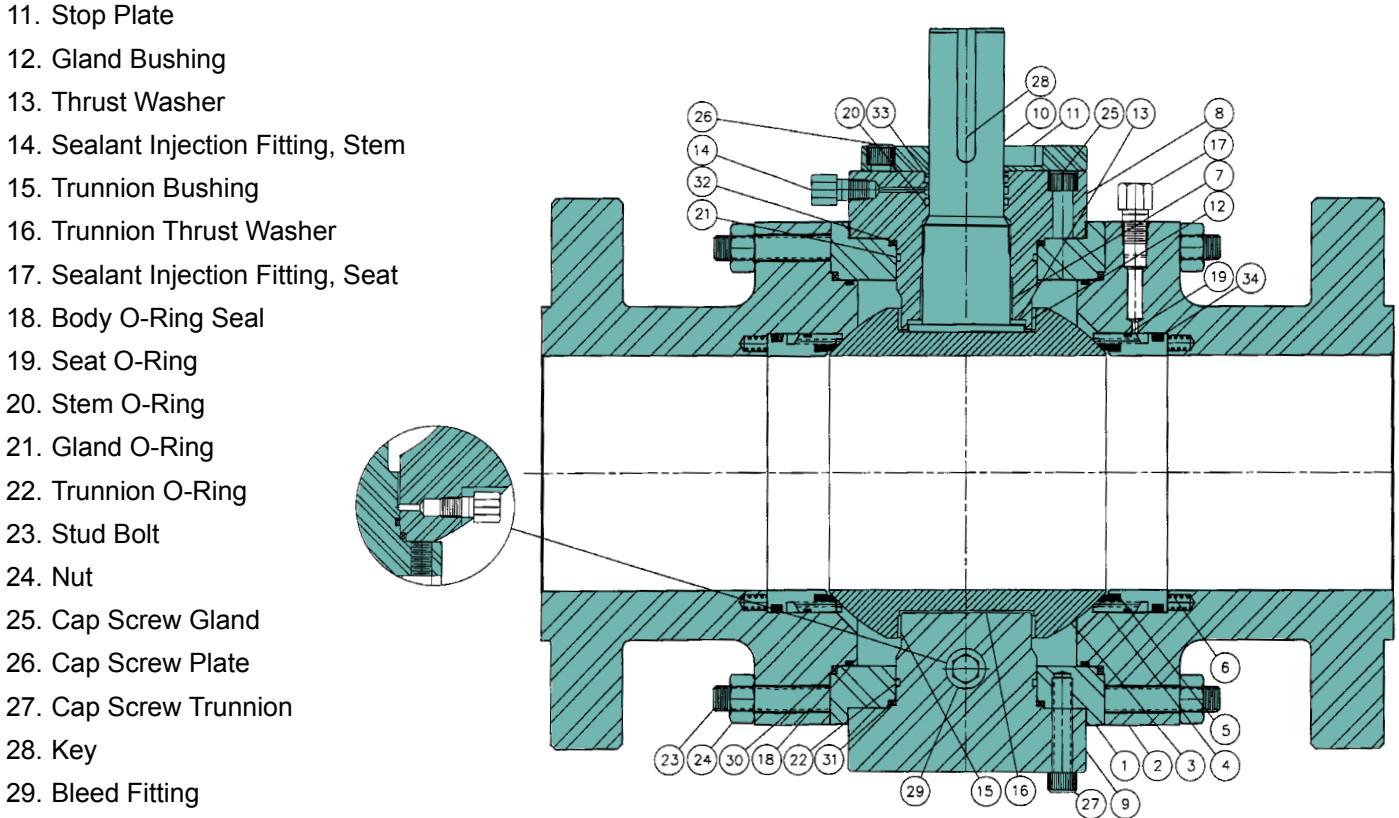
STANVAL three-piece standard trunnion mounted ball valves are furnished with the following fire-safe materials:

1. Body
2. Cap
3. Ball
4. Seat Assembly
5. Seat Insert
6. Seat Spring
7. Stem Bearing
8. Upper Trunnion
9. Lower Trunnion
10. Stem

30. Graphite Body Gasket
31. Graphite Trunnion Gasket
32. Graphite Gland Gasket
33. Graphite Stem Gasket
34. Graphite Seat Seal

STANVAL ball valves have been developed for oil and gas pipelines, and process industry use according to API-6D standards.

Figure 1



11. Stop Plate
12. Gland Bushing
13. Thrust Washer
14. Sealant Injection Fitting, Stem
15. Trunnion Bushing
16. Trunnion Thrust Washer
17. Sealant Injection Fitting, Seat
18. Body O-Ring Seal
19. Seat O-Ring
20. Stem O-Ring
21. Gland O-Ring
22. Trunnion O-Ring
23. Stud Bolt
24. Nut
25. Cap Screw Gland
26. Cap Screw Plate
27. Cap Screw Trunnion
28. Key
29. Bleed Fitting

STANDARD FEATURES - STANVAL Three-Piece Trunnions (cont.)

Double Block and Bleed

STANVAL Model FF and GG type ball valves have a sealing system which allows installation and service requiring double block and bleed. (Figure 1)

Sealing Feature

All Model FF and GG type ball valves utilize the differential between the sealing diameter of the seat insert/ball contact and the outer diameter of the seat. The difference between these areas times the line pressure is the sealing force. When line pressure is so low that the force generated by the different diameters cannot seal, the seat springs provide the force.

(Figure 2)

Fire Safe Design Feature

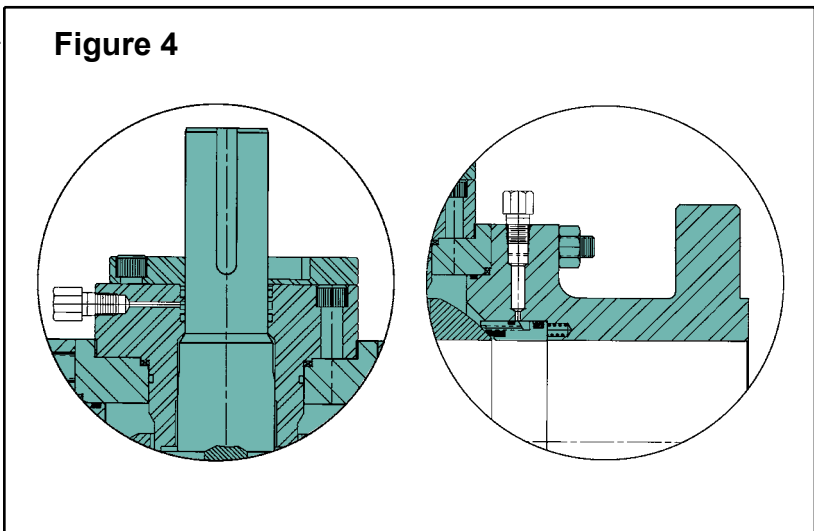
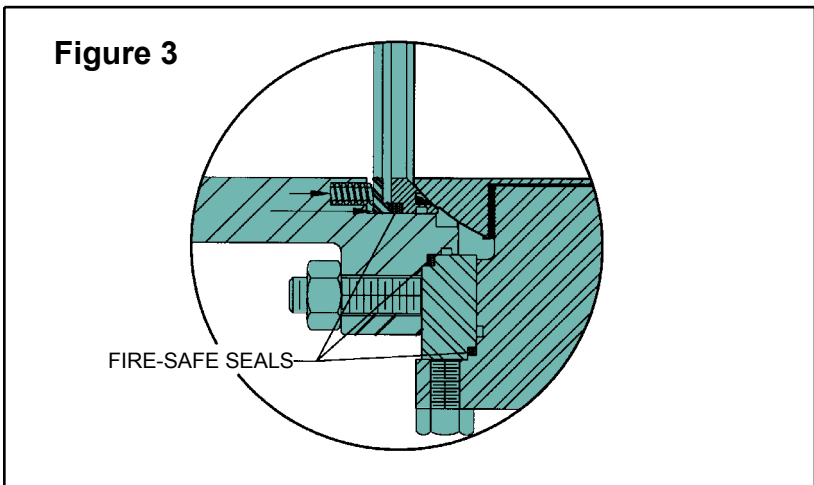
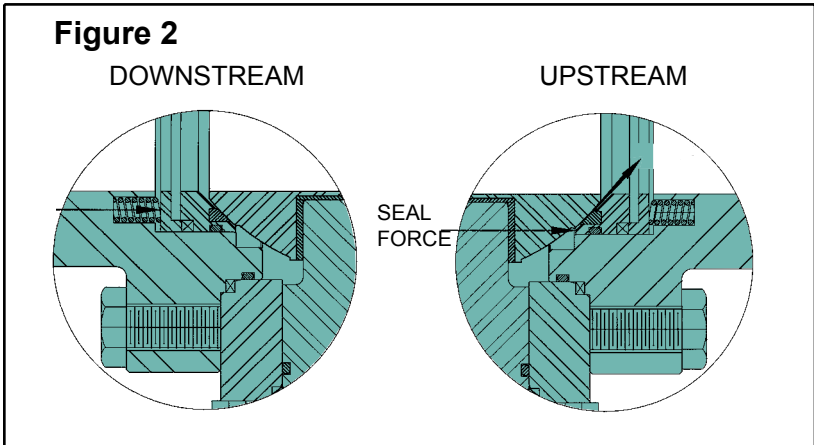
FF and GG model valves are designed with a secondary metal-to-metal seal after a fire. When the primary soft seals are destroyed by fire, the fire-safe seals energize the seat assembly to seal. The differential seat area energized by line pressure with the spring force loads the seat into the ball. All STANVAL Model FF and GG Trunnion Mounted ball valves have been tested to API-607/API-6FA.

(Figure 3)

Injection Sealant Feature

The full range of Model FF and GG are supplied with a standard stem sealant injection fitting. Seat sealant fittings are also standard on the 6" and larger valves. These sealant fittings can be used to provide a temporary seal in the event of damage incurred from fire or line media contamination.

(Figure 4)



STANDARD FEATURES - STANVAL Split Body Trunnions

The STANVAL SPLIT BODY TRUNNION MOUNTED ball valves are designed, constructed and tested according to API-6D. The full range of STANVAL Trunnion Ball Valves are supplied standard in full compliance with NACE MR-01-75.

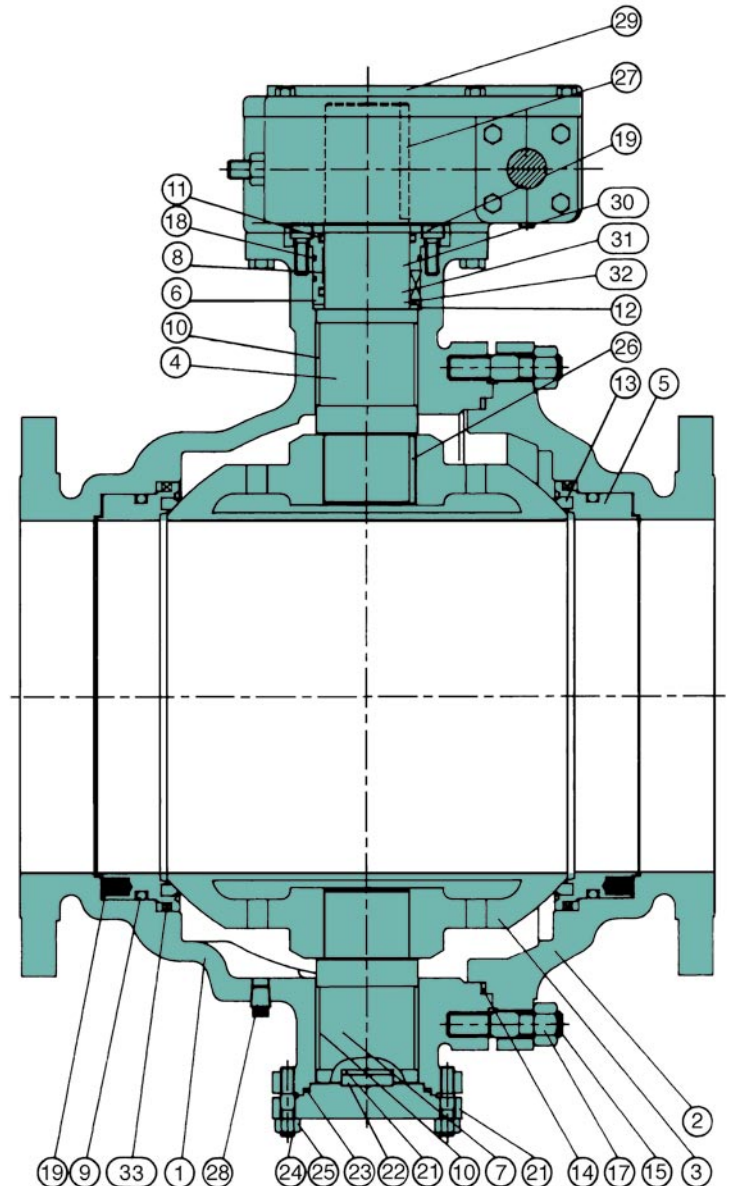
- 1 & 2. Body (1) & Cap (2)
3. Precision machined ball with outstanding smoothness provides superior quality with low torque and no leakage operation.
4. Heavy Duty Stem.
5. Floating Seat Retainer
6. Gland
7. Lower Stem
8. PTFE Gland Bearing
9. VITON Seat Retainer O-Ring.
10. PTFE Stem Bearing
11. VITON Stem O-Ring
12. PTFE Thrust Bearing
13. Ball Seat
14. Graphite Body Gasket
15. Body & Cap Joint Stud Bolt
16. Gland Bolt
17. Body & Cap Joint Nut
18. Gland O-ring
19. Seat Retainer Spring
20. Bottom Cover
21. PTFE Thrust Bearing
22. Low Stem Pivot Washer
23. Graphite Bottom Cover Gasket
24. Bottom Cover Joint Stud Bolt
25. Bottom Cover Joint Nut
26. Ball & stem Joint Key
27. Stem & Manual or Automatic Operator Joint Key
28. Drain Hole Plug
29. Manual Worm Gear Operator

STANVAL split body standard trunnion valves are furnished with the following fire-safe materials:

30. Gland
31. GRAPHITE Gland Packing
32. Metal Thrust Washer
33. GRAPHITE Seat Retainer Seal

STANVAL ball valves have been developed for oil and gas pipelines, and process industry use according to API-6D standards.

Figure 1



STANDARD FEATURES - STANVAL Split Body Trunnions (cont.)**Double Block and Bleed**

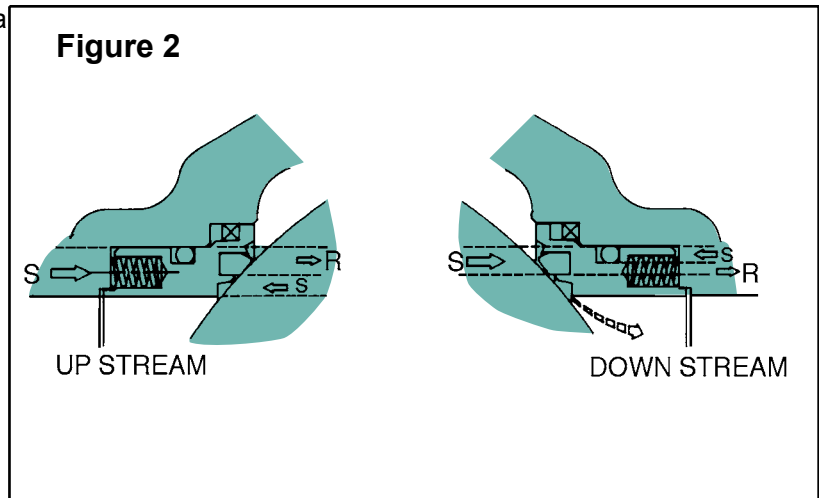
STANVAL Model F and G type ball valves have a sealing system which allows installation and service requiring double block and bleed.

(Figure 1)

Sealing Feature

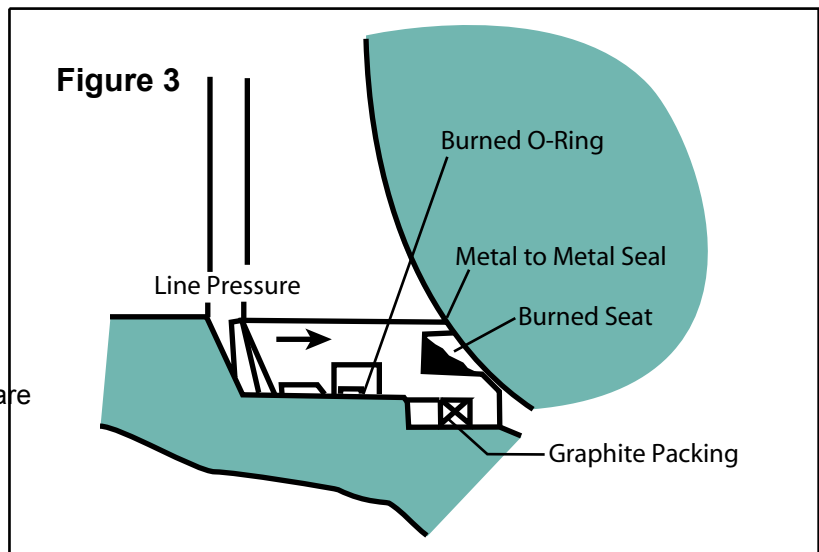
All Model F and G type ball valves are supplied with spring loaded seats to ensure that the seats are always in contact with the ball, providing a very efficient seal even at low line pressure. When the line pressure increases, the seat is forced into tighter contact with the ball providing a positive shut-off.

(Figure 2)

**Fire Safe Design Feature**

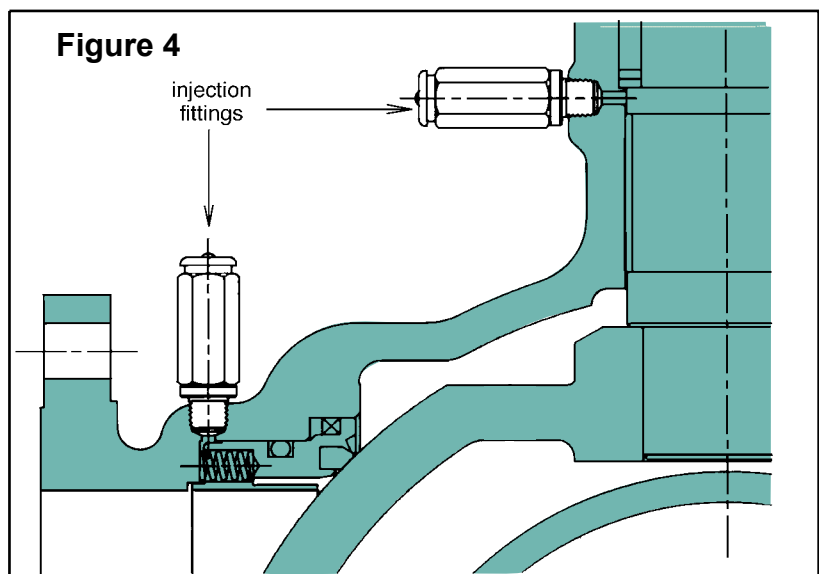
A secondary metal seat is provided to maintain contact between the seat and ball in the event the primary non-metallic seat is destroyed by fire. F and G model valves are fire-safe by design. The double body and bonnet seals give maximum security. STANVAL valves are fitted with special graphite seals so as to effectively stop all leakage in the event of a fire. All STANVAL Model F and G Trunnion Mounted ball valves have been tested to API-607/API-6FA.

(Figure 3)

**Secondary Seat and Stem Sealing Option**

F and G type ball valves are designed to provide high integrity shut-off. Upon request, sealant injection fittings are available for F and G type. In case of seat insert or stem seal damage, external or internal leakages can occur. An emergency sealant injection can save the integrity of the valve by incorporating a sealant seal around the stem or between the seat and the ball.

(Figure 4)



ORDERING GUIDE

Example: 12" Figure #FF600-1-CF-B-GO

FF 60 0 - 1 - CF - B - GO

1. 2. 3. 4. 5. 6. 7.

12" Trunnion ball valve, three piece, split body, full bore, Class 600, RF flanged end, fire-safe certified, A105 body, E.N.P. trim, Nylon seat, viton/graphite seals, gear operator

1. MODEL

- A - Floating ball, unibody, reduced bore
- B - Floating ball, split body, full bore
- C - Floating ball, split body, reduced bore
- D - Floating ball, 3-piece, full bore
- DD - Floating ball, 3-piece, reduced bore
- F - Trunnion ball, 2-piece, split body, full bore
- FF - Trunnion ball, 3-piece, split body, full bore
- FT - Trunnion ball, 1-piece, top entry, full bore
- FW - Trunnion ball, fully welded body, full bore
- G - Trunnion ball, 2-piece, split body, reduced bore
- GG - Trunnion ball, 3-piece, split body, reduced bore
- GT - Trunnion ball, 1-piece, top entry, reduced bore
- GW - Trunnion ball, fully welded, body, reduced bore
- S - Needle valve
- SG - Gauge valve

2. RATING

- 15 - ASME Class 150
- 30 - ASME Class 300
- 60 - ASME Class 600
- 80 - ASME Class 800
- 90 - ASME Class 900
- 150 - ASME Class 1500
- 250 - ASME Class 2500
- 300 - API 3000
- 500 - API 5000
- W08 - 800 WOG
- W10 - 1,000 WOG
- W15 - 1,500 WOG
- W20 - 2,000 WOG
- W30 - 3,000 WOG
- W60 - 6,000 WOG
- W100 - 10,000 WOG

3. END CONNECTION

- 0 - RF Flanged
- 1 - Screwed
- 2 - Socket Weld
- 3 - Screwed x Socket Weld
- 4 - Screwed Female x Screwed Male
- 5 - 3 Screwed Female x 1 Screwed Male
- 6 - Flat Face
- 7 - Buttweld
- 9 - Ring Joint
- X - Special

4. TYPE

- 1 - Fire-safe
- 3 - Standard

5. MATERIAL (Body + Trim)

- | | |
|----------------------|--------------------|
| AC - WCB + 304 | KF - F304 + 304 |
| AF - A105 + 304 | LC - CF8M + 316 |
| BC - WCB + 316 | LF - F316 + 316 |
| BF - A105 + 316 | MC - CF3 + 304L |
| CC - WCB + ENP | MF - F304L + 304L |
| CF - A105 + ENP | NC - CF3M + 316L |
| DC - WCB + F6A/13CR | NF - F316L + 316L |
| DF - A105 + F6A/13CR | OC - CN7M + A/20 |
| EC - LCC + ENP | OF - A/20 + A/20 |
| EF - LF2 + ENP | PC - A890-4A + F51 |
| FC - LCC + F6A/13CR | PF - F51 + F51 |
| FF - LF2 + F6A/13CR | QC - A890-5A + F53 |
| GC - LCC + 316 | QF - F53 + F53 |
| GF - LF2 + 316 | RC - A890-6A + F55 |
| HC - LCB + ENP | RF - F55 + F55 |
| JC - LCB + 316 | SF - 12L14 + 316 |
| KC - CF8 + 304 | X - Special |

6. MATERIAL (Seat + Seal)

- G - RTFE + Viton/Graphite
- B - Nylon + Viton/Graphite
- E - Devlon "V" + Viton/Graphite
- V - PEEK + Viton/Graphite
- F - CTFE + Viton/Graphite
- R - RTFE + PTFE
- J - Delrin + Viton/Graphite
- M - Metal + Viton
- N - Delrin + Viton
- X - Special

7. OPERATOR

- L - Lever
- GO - Worm Gear Operator
- O - Oval Handwheel
- B - Bare Stem
- EB - Extended Bonnet

8. SPECIAL REQUIREMENT

- S - Supply Complete Information

MODEL A150/A300

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.



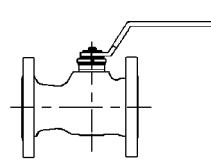
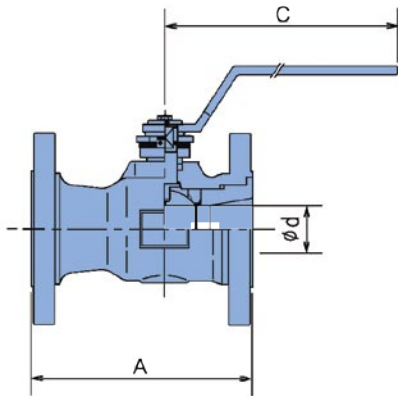
Dimensions

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

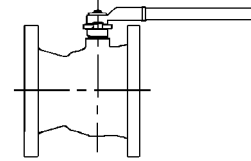
****NACE MR-01-75 Certified****

Standard Materials

Figure Number	A150-1-BC-G-L, A300-1-BC-G-L	A150-1-LC-G-L, A300-1-LC-G-L
Body/Retainer	A216 WCB	A351 CF8M
Ball/Stem	A351 CF8M/316SS	A351 CF8M/316SS
Seats	RTFE	RTFE
Seals	Viton/Graphite	Viton/Graphite



Size 2 - 6 Inch



Size 8 Inch

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

MODEL B150/B300



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.

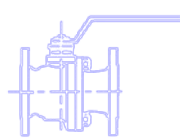
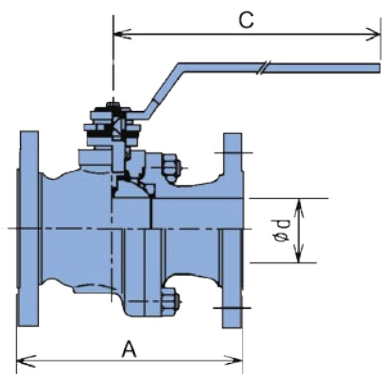
Dimensions

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

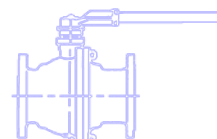
****NACE MR-01-75 Certified****

Standard Materials

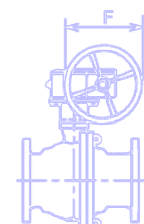
Figure Number	B150-1-BC-G-L, B300-1-BC-G-L	B150-1-LC-G-L, B300-1-LC-G-L
Body/Cap	A216 WCB	A351 CF8M
Ball/Stem	A351 CF8M/316SS	A351 CF8M/316SS
Seats	RTFE	RTFE
Seals	Viton/Graphite	Viton/Graphite



Size 1/2 - 4 Inch



Size 6 Inch



Size 8 Inch

CLASS 150

Dimensions in inches

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

CLASS 300

Dimensions in inches

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

MODEL C150/C300

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.



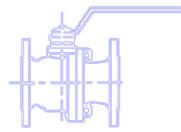
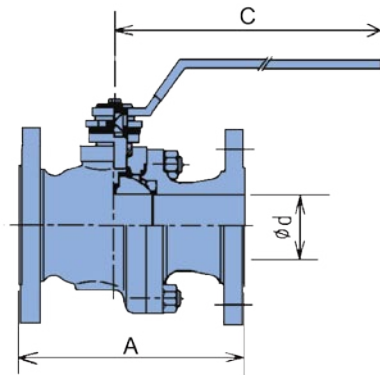
Dimensions

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

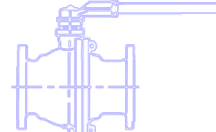
****NACE MR-01-75 Certified****

Standard Materials

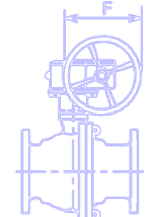
Figure Number	C150-1-BC-G-L, C300-1-BC-G-L	C150-1-LC-G-L, C300-1-LC-G-L
Body/Cap	A216 WCB	A351 CF8M
Ball/Stem	A351 CF8M/316SS	A351 CF8M/316SS
Seats	RTFE	RTFE
Seals	Viton/Graphite	Viton/Graphite



Size 2 - 6 Inch



Size 8 Inch



Size 10 Inch

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

MODEL B600/C600

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.



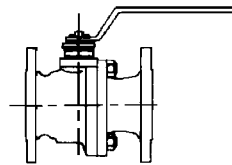
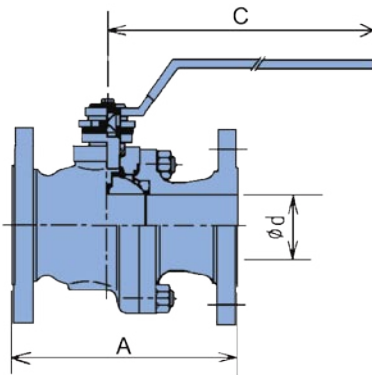
Dimensions

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

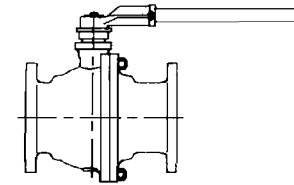
****NACE MR-01-75 Certified****

Standard Materials

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



Size 1/2" FB - 4" RB



Size 4" FB - 6" Inch RB

CLASS 600 • Reduced Bore Dimensions in inches

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

CLASS 600 • Full Bore Dimensions in inches

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

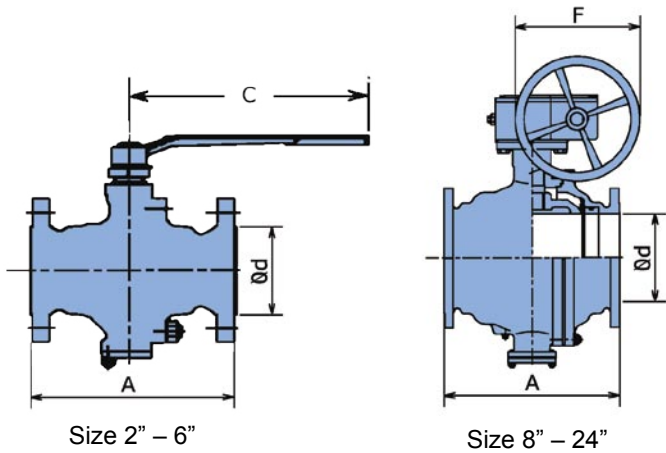
MODEL F150/G150, FF150/GG150

Construction: Split body, 2-piece or 3-piece, trunnion mounted ball, double seal design, double block and bleed, anti-static device, fire-safe to API-607/API-6FA, spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6D
End Flange	ASME B16.5
Rating	ASME Class 150

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



Standard Materials

Figure Number: 2-Piece	F150-1-CC-G, G150-1-CC-G	F150-1-BC-G, G150-1-BC-G	F150-1-LC-G, G150-1-LC-G
Figure Number: 3-Piece	FF150-1-CC-G, GG150-1-CC-G	FF150-1-BC-G, GG150-1-BC-G	FF150-1-LC-G, GG150-1-LC-G
Body/Cap	A216 WCB	A216 WCB	A351 CF8M
Ball/Stem	ASTM A105*	A351 CF8M/316SS	A351 CF8M/316SS
Seats & Inserts	ASTM A105* + RTFE	F316 + RTFE	F316 + RTFE
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

CLASS 150 • Full Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm
Bore Size (d)	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25
Face to Face (A)	RF	7.00	8.00	9.00	15.50	18.00	21.00	24.00	27.00	30.00	34.00	42.00
	BWE	8.50	11.13	12.00	18.00	20.50	22.00	25.00	30.00	33.00	36.00	45.00
Handle Length (C)	14.76	15.55	15.55	25.23	-	-	-	-	-	-	-	-
Handwheel Diameter (F)	-	-	18.11	18.11	18.11	24.00	24.00	24.00	24.00	24.00	28.00	28.00
Approx. Weight (lbs.)	50	94	158	287	440	678	989	1346	1813	2526	3165	5450

CLASS 150 • Reduced Bore

Larger sizes are available upon request.

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm
Bore Size (d)	1.50	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25
Face to Face (A)	RF	7.00	8.00	9.00	15.50	18.00	21.00	24.00	27.00	30.00	34.00	42.00
	BWE	8.50	11.13	12.00	18.00	20.50	22.00	25.00	30.00	33.00	36.00	45.00
Handle Length (C)	14.76	14.76	15.55	15.55	25.23	-	-	-	-	-	-	-
Handwheel Diameter (F)	-	-	-	18.11	18.11	18.11	24.00	24.00	24.00	24.00	24.00	28.00
Approx. Weight (lbs.)	46	54	111	179	331	510	818	1094	1461	1901	2285	3605

Larger sizes are available upon request.

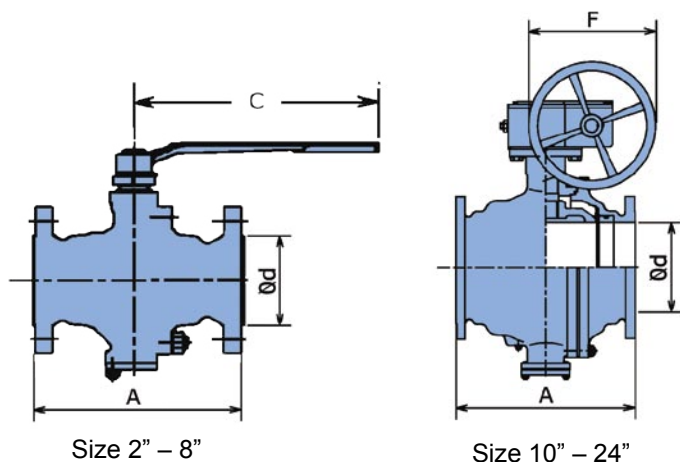
MODEL F300/G300, FF300/GG300

Construction: Split body, 2-piece or 3-piece, trunnion mounted ball, double seal design, double block and bleed, anti-static device, fire-safe to API-607/API-6FA, spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6D
End Flange	ASME B16.5
Rating	ASME Class 300

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



Standard Materials

Figure Number: 2-Piece	F300-1-CC-G, G300-1-CC-G	F300-1-BC-G, G300-1-BC-G	F300-1-LC-G, G300-1-LC-G
Figure Number: 3-Piece	FF300-1-CC-G, GG300-1-CC-G	FF300-1-BC-G, GG300-1-BC-G	FF300-1-LC-G, GG300-1-LC-G
Body/Cap	A216 WCB	A216 WCB	A351 CF8M
Ball/Stem	ASTM A105*	A351 CF8M/316SS	A351 CF8M/316SS
Seats & Inserts	ASTM A105* + RTFE	F316 + RTFE	F316 + RTFE
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

CLASS 300 • Full Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm	
Bore Size (d)	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25	
Face to Face (A)	RF	8.50	11.13	12.00	15.88	19.75	22.38	25.50	30.00	33.00	36.00	39.00	45.00
	BWE	8.50	11.13	12.00	15.88	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00
Handle Length (C)	12.40	19.49	21.46	25.23	-	-	-	-	-	-	-	-	
Handwheel Diameter (F)	-	18.11	18.11	18.11	24.00	24.00	24.00	28.00	28.00	28.00	28.00	30.00	
Approx. Weight (lbs.)	51	100	167	326	505	892	1302	1766	2112	2860	3884	6107	

CLASS 300 • Reduced Bore

Larger sizes are available upon request.

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm	
Bore Size (d)	1.50	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	
Face to Face (A)	RF	8.50	11.13	12.00	15.88	19.75	22.38	25.50	30.00	33.00	36.00	39.00	45.00
	BWE	8.50	11.13	12.00	15.88	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00
Handle Length (C)	12.40	12.40	19.49	21.46	25.23	-	-	-	-	-	-	-	
Handwheel Diameter (F)	-	-	18.11	18.11	18.11	24.00	24.00	24.00	28.00	28.00	28.00	28.00	
Approx. Weight (lbs.)	47	60	114	208	390	522	1050	1443	1989	2813	3162	4694	

Larger sizes are available upon request.

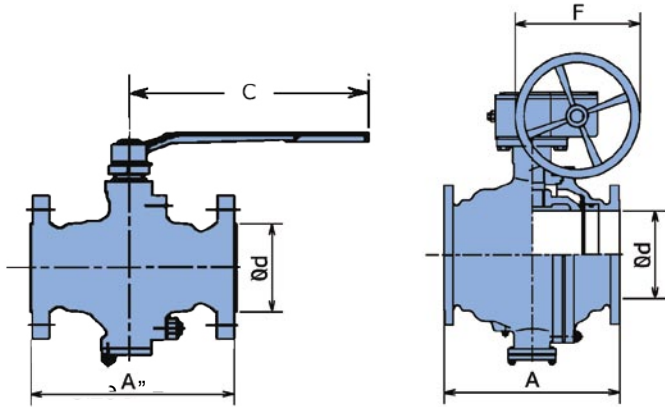
MODEL F600/G600, FF600/GG600

Construction: Split body, 2-piece or 3-piece, trunnion mounted ball, Double seal design, double block and bleed, anti-static device, fire-safe to API-607/API-6FA, spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6D
End Flange	ASME B16.5
Rating	ASME Class 600

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



Size 8" – 24"

Standard Materials

Figure Number: 2-Piece	F600-1-CC-B, G600-1-CC-B	F600-1-BC-B, G600-1-BC-B	F600-1-LC-B, G600-1-LC-B
Figure Number: 3-Piece	FF600-1-CC-B, GG600-1-CC-B	FF600-1-BC-B, GG600-1-BC-B	FF600-1-LC-B, GG600-1-LC-B
Body/Cap	A216 WCB	A216 WCB	A351 CF8M
Ball/Stem	ASTM A105*	A351 CF8M/316SS	A351 CF8M/316SS
Seats & Inserts	ASTM A105* + Nylon	F316 + Nylon	F316 + Nylon
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

CLASS 600 • Full Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm
Bore Size (d)	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25
Face to Face (A)	RF	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	55.00
	RTJ	11.63	14.13	17.13	22.13	26.13	31.13	33.13	35.13	39.13	43.13	55.38
	BWE	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	55.00
Handle Length (C)	19.69	25.39	33.46	-	-	-	-	-	-	-	-	-
Handwheel Diameter (F)	11.80	18.11	18.11	24.00	24.00	24.00	28.00	28.00	28.00	28.00	30.00	30.00
Approx. Weight (lbs.)	58	113	179	455	880	1316	2253	2688	3000	4083	4875	8006

CLASS 600 • Reduced Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm
Bore Size (d)	1.50	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25
Face to Face (A)	RF	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	55.00
	RTJ	11.63	14.13	17.13	22.13	26.13	31.13	33.13	35.13	39.13	43.13	55.38
	BWE	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	55.00
Handle Length (C)	19.69	19.69	25.39	33.46	-	-	-	-	-	-	-	-
Handwheel Diameter (F)	-	11.80	18.11	18.11	24.00	24.00	24.00	28.00	28.00	28.00	28.00	30.00
Approx. Weight (lbs.)	53	70	141	270	510	962	1426	2006	2302	2960	4183	5720

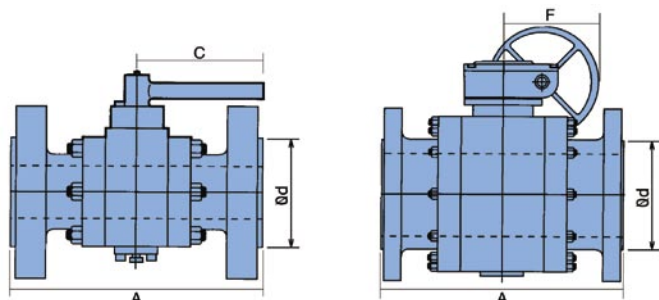
MODEL FF150/GG150

Construction: Three-piece body design, full bore, or reduced bore trunnion mounted ball, double block and bleed, anti-static device, fire-safe to API-607/API-6FA. Spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6D
End Flange	ASME B16.5
Rating	ASME Class 150

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



Standard Materials

Figure Number	FF150-1-CF-G, GG150-1-CF-G	FF150-1-BF-G, GG150-1-BF-G	FF150-1-LF-G, GG150-1-LF-G
Body/Cap	ASTM A105	ASTM A105	ASTM A182 F316
Ball	ASTM A105*	ASTM A182 F316	ASTM A182 F316
Stem	AISI 4140*	ASTM A182 F316	ASTM A182 F316
Seats & Inserts	ASTM A105* + RTFE	ASTM A182 F316 + RTFE	ASTM A182 F316 + RTFE
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

CLASS 150 • Full Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm	30" 750mm	36" 900mm	40" mm	42" mm	48" mm
Bore Size (d)	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25	29.00	34.50	*	*	*
Face to Face (A)	RF	7.00	8.00	9.00	15.50	18.00	21.00	24.00	27.00	30.00	34.00	42.00	51.00	60.00	*	*	*
	BWE	8.50	11.13	12.00	18.00	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00	55.00	68.00	*	*
Handle Length (C)	14.76	15.55	15.55	25.23	-	-	-	-	-	-	-	-	-	-	*	*	*
Handwheel Diameter (F)	-	-	18.11	18.11	18.11	24.00	24.00	24.00	24.00	24.00	28.00	28.00	30.00	30.00	*	*	*
Approx. Weight (lbs.)	62	117	198	359	550	847	1236	1683	2266	3157	3956	6813	11506	19382	*	*	*

* Available on request.

CLASS 150 • Reduced Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm	30" 750mm	36" 900mm
Bore Size (d)	1.50	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25	29.00
Face to Face (A)	RF	7.00	8.00	9.00	15.50	18.00	21.00	24.00	27.00	30.00	34.00	42.00	51.00	60.00
	BWE	8.50	11.13	12.00	18.00	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00	55.00
Handle Length (C)	14.76	14.76	15.55	15.55	25.23	-	-	-	-	-	-	-	-	-
Handwheel Diameter (F)	-	-	-	18.11	18.11	18.11	24.00	24.00	24.00	24.00	24.00	28.00	28.00	30.00
Approx. Weight (lbs.)	57	68	139	224	414	638	1023	1368	1826	2376	2856	4506	7363	13882

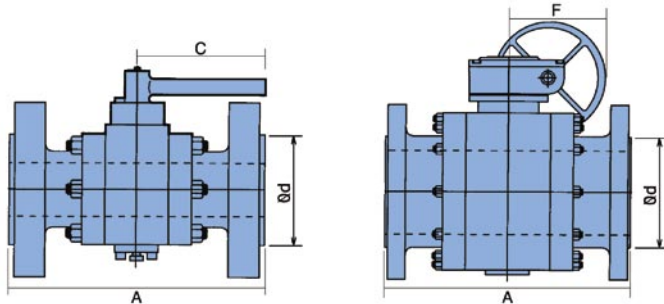
MODEL FF300/GG300

Construction: Three-piece body design, full bore, or reduced bore trunnion mounted ball, double block and bleed, anti-static device, fire-safe to API-607/API-6FA. Spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6D
End Flange	ASME B16.5
Rating	ASME Class 300

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



Standard Materials

Figure Number	FF300-1-CF-G, GG300-1-CF-G	FF300-1-BF-G, GG300-1-BF-G	FF300-1-LF-G, GG300-1-LF-G
Body/Cap	ASTM A105	ASTM A105	ASTM A182 F316
Ball	ASTM A105*	ASTM A182 F316	ASTM A182 F316
Stem	AISI 4140*	ASTM A182 F316	ASTM A182 F316
Seats & Inserts	ASTM A105* + RTFE	ASTM A182 F316 + RTFE	ASTM A182 F316 + RTFE
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

CLASS 300 • Full Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm	30" 750mm	36" 900mm	40" mm	42" mm	48" mm	
Bore Size (d)	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25	29.00	34.50	*	*	*	
Face to Face (A)	RF	8.50	11.13	12.00	15.88	19.75	22.38	25.50	30.00	33.00	36.00	39.00	45.00	55.00	68.00	*	*	*
	BWE	8.50	11.13	12.00	15.88	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00	55.00	68.00	*	*	*
Handle Length (C)	12.40	19.49	21.46	25.23	-	-	-	-	-	-	-	-	-	-	*	*	*	
Handwheel Diameter (F)	-	18.11	18.11	18.11	24.00	24.00	24.00	28.00	28.00	28.00	28.00	30.00	30.00	30.00	*	*	*	
Approx. Weight (lbs.)	64	125	209	407	631	1115	1628	2208	2640	3575	4855	7634	14520	22220	*	*	*	

* Available on request.

CLASS 300 • Reduced Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm	30" 750mm	36" 900mm	
Bore Size (d)	1.50	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25	29.00	
Face to Face (A)	RF	8.50	11.13	12.00	15.88	19.75	22.38	25.50	30.00	33.00	36.00	39.00	45.00	55.00	68.00
	BWE	8.50	11.13	12.00	15.88	20.50	22.00	25.00	30.00	33.00	36.00	39.00	45.00	55.00	68.00
Handle Length (C)	12.40	12.40	19.49	21.46	25.23	-	-	-	-	-	-	-	-	-	
Handwheel Diameter (F)	-	-	18.11	18.11	18.11	24.00	24.00	24.00	28.00	28.00	28.00	28.00	30.00	30.00	
Approx. Weight (lbs.)	59	75	143	260	488	653	1313	1804	2486	3516	3953	5867	9878	18018	

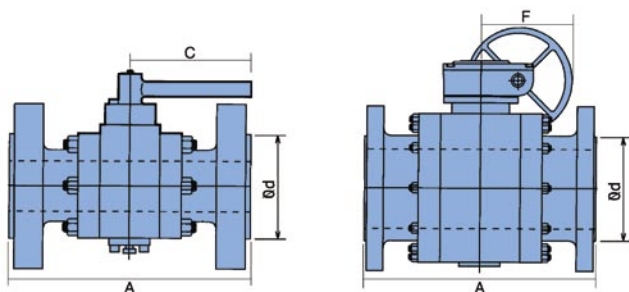
MODEL FF600/GG600

Construction: Three-piece body design, full bore, or reduced bore trunnion mounted ball, double block and bleed, anti-static device, fire-safe to API-607/API-6FA. Spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6D
End Flange	ASME B16.5
Rating	ASME Class 600

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



Standard Materials

Figure Number	FF600-1-CF-B, GG600-1-CF-B	FF600-1-BF-B, GG600-1-BF-B	FF600-1-LF-B, GG600-1-LF-B
Body/Cap	ASTM A105	ASTM A105	ASTM A182 F316
Ball	ASTM A105*	ASTM A182 F316	ASTM A182 F316
Stem	AISI 4140*	ASTM A182 F316	ASTM A182 F316
Seats & Inserts	ASTM A105* + Nylon	ASTM A182 F316 + Nylon	ASTM A182 F316 + Nylon
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

CLASS 600 • Full Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm	30" 750mm	36" 900mm	40" mm	42" mm	48" mm	
Bore Size (d)	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25	29.00	34.50	*	*	*	
Face to Face (A)	RF	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	65.00	82.00	*	*	*
	RTJ	11.63	14.13	17.13	22.13	26.13	31.13	33.13	35.13	39.13	43.13	47.25	55.38	65.50	82.63	*	*	*
	BWE	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	65.00	82.00	*	*	*
Handle Length (C)	19.69	25.39	33.46	-	-	-	-	-	-	-	-	-	-	-	*	*	*	
Handwheel Diameter (F)	11.80	18.11	18.11	24.00	24.00	24.00	28.00	28.00	28.00	28.00	30.00	30.00	30.00	30.00	*	*	*	
Approx. Weight (lbs.)	73	141	224	569	1100	1645	2816	3360	3750	5104	6094	10008	16000	29260	*	*	*	

* Available on request.

CLASS 600 • Reduced Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm	30" 750mm	36" 900mm	
Bore Size (d)	1.50	2.00	3.00	4.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25	29.00	
Face to Face (A)	RF	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	65.00	82.00
	RTJ	11.63	14.13	17.13	22.13	26.13	31.13	33.13	35.13	39.13	43.13	47.25	55.38	65.50	82.63
	BWE	11.50	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	65.00	82.00
Handle Length (C)	19.69	19.69	25.39	33.46	-	-	-	-	-	-	-	-	-	-	
Handwheel Diameter (F)	-	11.80	18.11	18.11	24.00	24.00	24.00	28.00	28.00	28.00	28.00	30.00	30.00	30.00	
Approx. Weight (lbs.)	66	88	176	337	638	1203	1782	2508	2878	3700	5229	7150	12694	22836	

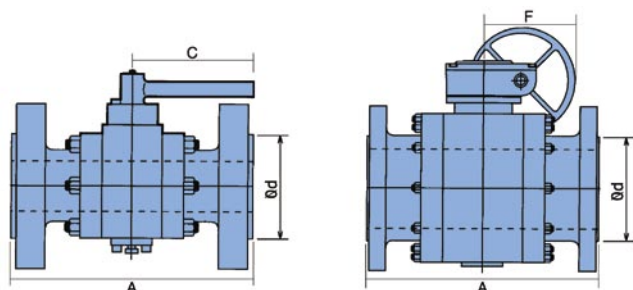
MODEL FF900/GG900

Construction: Three-piece body design, full bore, or reduced bore trunnion mounted ball, double block and bleed, anti-static device, fire-safe to API-607/API-6FA. Spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6D
End Flange	ASME B16.5
Rating	ASME Class 900

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



Standard Materials

Figure Number	FF900-1-CF-B, GG900-1-CF-B	FF900-1-BF-B, GG900-1-BF-B	FF900-1-LF-B, GG900-1-LF-B
Body/Cap	ASTM A105	ASTM A105	ASTM A182 F316
Ball	ASTM A105*	ASTM A182 F316	ASTM A182 F316
Stem	AISI 4140*	ASTM A182 F316	ASTM A182 F316
Seats & Inserts	ASTM A105* + Nylon	ASTM A182 F316 + Nylon	ASTM A182 F316 + Nylon
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

CLASS 900 • Full Bore

Dimensions in inches

Valve Size	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	
	50mm	80mm	100mm	150mm	200mm	250mm	250mm	350mm	400mm	450mm	500mm	600mm	750mm	900mm	
Bore Size (d)	2.00	3.00	4.00	6.00	8.00	10.00	12.00	12.75	14.75	16.75	18.63	22.50	28.11	*	
Face to Face (A)	RF	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00	70.08	*
	RTJ	14.63	15.13	18.13	24.13	29.13	33.13	38.13	40.88	44.88	48.50	52.50	61.75		*
	BWE	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00	70.08	*
Handle Length (C)	18.10	21.38	36.00	-	-	-	-	-	-	-	-	-	-	*	
Handwheel Diameter (F)	-	18.11	18.11	24.00	24.00	28.00	28.00	30.00	30.00	30.00	30.00	30.00		*	
Approx. Weight (lbs.)	125	167	409	913	1320	1936	3428	3249	4972	6292	9284	15070	26862	*	

* Available on request.

CLASS 900 • Reduced Bore

Dimensions in inches

Valve Size	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	
	50mm	80mm	100mm	150mm	200mm	250mm	250mm	350mm	400mm	450mm	500mm	600mm	750mm	900mm	
Bore Size (d)	1.50	2.00	3.00	4.00	6.00	8.00	10.00	12.00	12.75	14.75	16.75	18.63	*	*	
Face to Face (A)	RF	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00	*	*
	RTJ	14.63	15.13	18.13	24.13	29.13	33.13	38.13	40.88	44.88	48.50	52.50	61.75	*	*
	BWE	14.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00	*	*
Handle Length (C)	18.11	18.11	21.38	36.00	-	-	-	-	-	-	-	-	*	*	
Handwheel Diameter (F)	-	-	18.11	18.11	24.00	24.00	24.00	28.00	28.00	30.00	30.00	30.00	*	*	
Approx. Weight (lbs.)	88	117	213	462	983	1540	2526	3615	3777	5361	6351	11880	*	*	

* Available on request.

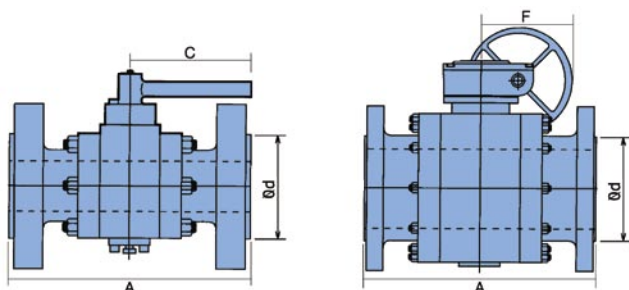
MODEL FF1500/GG1500

Construction: Three-piece body design, full bore, or reduced bore trunnion mounted ball, double block and bleed, anti-static device, fire-safe to API-607/API-6FA. Spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6D
End Flange	ASME B16.5
Rating	ASME Class 1500

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



Standard Materials

Figure Number	FF1500-1-CF-B, GG1500-1-CF-B	FF1500-1-BF-B, GG1500-1-BF-B	FF1500-1-LF-B, GG1500-1-LF-B
Body/Cap	ASTM A105	ASTM A105	ASTM A182 F316
Ball	ASTM A105*	ASTM A182 F316	ASTM A182 F316
Stem	AISI 4140*	ASTM A182 F316	ASTM A182 F316
Seats & Inserts	ASTM A105* + Nylon	ASTM A182 F316 + Nylon	ASTM A182 F316 + Nylon
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

CLASS 1500 • Full Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm	
Bore Size (d)	2.00	3.00	4.00	5.75	7.63	9.50	11.38	12.50	14.25	16.00	17.75	21.00	
Face to Face (A)	RF	14.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50	60.50	65.50	80.50
	RTJ	14.63	18.60	21.60	28.00	33.10	39.40	45.10	50.23	55.35	61.38	66.38	81.54
	BWE	14.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50	60.50	65.50	80.50
Handle Length (C)	28.00	-	-	-	-	-	-	-	-	-	-	-	
Handwheel Diameter (F)	18.11	18.11	24.00	24.00	28.00	28.00	28.00	30.00	30.00	30.00	30.00	30.00	
Approx. Weight (lbs.)	173	303	447	1067	1628	3315	4998	6336	9064	13772	20064	31504	

CLASS 1500 • Reduced Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm	24" 600mm	
Bore Size (d)	1.50	2.00	3.00	4.00	5.75	7.63	9.50	11.38	12.50	14.25	16.00	17.75	
Face to Face (A)	RF	14.50	18.50	21.50	27.75	32.75	39.00	44.50	49.50	54.50	60.50	65.50	80.50
	RTJ	14.63	18.60	21.60	28.00	33.10	39.40	45.10	50.23	55.35	61.38	66.38	81.54
	BWE	14.50	18.50	21.5	27.75	32.75	39.00	44.50	49.50	54.50	60.50	65.50	80.50
Handle Length (C)	17.51	28.00	-	-	-	-	-	-	-	-	-	-	
Handwheel Diameter (F)	18.11	18.11	18.11	24.00	24.00	28.00	30.00	30.00	30.00	30.00	30.00	30.00	
Approx. Weight (lbs.)	130	205	335	763	1188	2270	3887	5581	7216	10956	16588	24090	

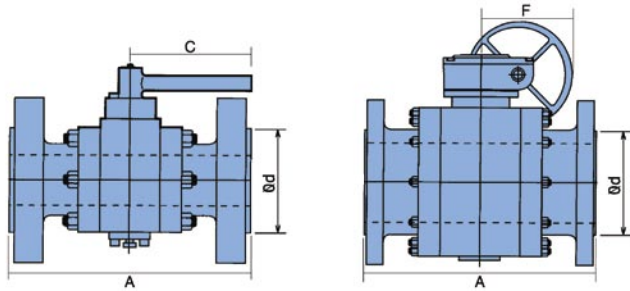
MODEL FF2500/GG2500

Construction: Three-piece body design, full bore, or reduced bore trunnion mounted ball, double block and bleed, anti-static device, fire-safe to API-607/API-6FA. Spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6D
End Flange	ASME B16.5
Rating	ASME Class 2500

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



Standard Materials

Figure Number	FF2500-1-CF-B, GG2500-1-CF-B	FF2500-1-BF-B, GG2500-1-BF-B	FF2500-1-LF-B, GG2500-1-LF-B
Body/Cap	ASTM A105	ASTM A105	ASTM A182 F316
Ball	ASTM A105*	ASTM A182 F316	ASTM A182 F316
Stem	17-4 PH	17-4 PH	17-4 PH
Seats & Inserts	ASTM A105* + Nylon	ASTM A182 F316 + Nylon	ASTM A182 F316 + Nylon
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

CLASS 2500 • Full Bore

Dimensions in inches

Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm
Bore Size (d)	1.65	2.44	3.43	5.16	7.05	8.78	10.43
Face to Face (A)	RF	17.76	22.76	26.50	35.98	40.24	50.00
	RTJ	17.87	22.99	26.89	36.50	40.82	50.87
	BWE	17.76	27.76	26.50	35.98	40.24	50.00
Handle Length (C)	-	-	-	-	-	-	-
Handwheel Diameter (F)	18.11	24.00	24.00	24.00	30.00	30.00	30.00
Approx. Weight (lbs.)	390	620	866	1518	2974	4994	7187

CLASS 2500 • Reduced Bore

Dimensions in inches

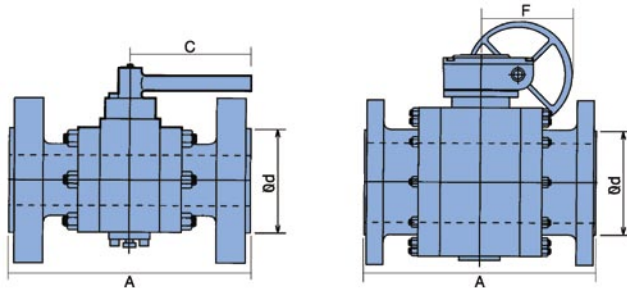
Valve Size	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	12" 250mm
Bore Size (d)	1.50	2.05	2.44	3.43	5.16	7.05	8.78
Face to Face (A)	RF	17.76	22.76	26.50	35.98	40.24	50.00
	RTJ	17.87	22.99	26.89	36.50	40.87	50.87
	BWE	17.76	22.76	26.50	35.98	40.24	50.00
Handle Length (C)	-	-	-	-	-	-	-
Handwheel Diameter (F)	18.11	18.11	24.00	24.00	24.00	30.00	30.00
Approx. Weight (lbs.)	270	400	601	1357	2416	3667	5647

MODEL FF3009/GG3009

Construction: Three-piece body design, full bore, or reduced bore trunnion mounted ball, double block and bleed, anti-static device, fire-safe to API-607/API-6FA. Spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6A
End Flange	API-6A
Rating	API 3000



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

Standard Materials

Figure Number	FF3009-1-CF-B, GG3009-1-CF-B	FF3009-1-BF-B, GG3009-1-BF-B	FF3009-1-LF-B, GG3009-1-LF-B
Body/Cap	ASTM A105	ASTM A105	ASTM A182 F316
Ball	ASTM A105*	ASTM A182 F316	ASTM A182 F316
Stem	17-4 PH	17-4 PH	17-4 PH
Seats & Inserts	ASTM A105* + Nylon	ASTM A182 F316 + Nylon	ASTM A182 F316 + Nylon
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

API 3000 • Full Bore

Dimensions
in inches

Valve Size	2-1/16" 51.6mm	3-1/8" 78.13mm	4-1/16" 101.6mm	5-1/8" 128.1mm	7-1/16" 176.6mm
Bore Size (d)	2.06	3.12	4.06	5.12	7.06
Face to Face (A)	RTJ 14.61	17.13	20.12	24.13	28.11
Handle Length (C)	30.00	36.00	-	-	-
Handwheel Diameter (F)	-	-	17.00	20.00	24.00
Approx. Weight (Lbs.)	110	190	350	550	950

API 3000 • Reduced Bore

Dimensions
in inches

Valve Size	2-1/16" 51.6mm	3-1/8" 78.13mm	4-1/16" 101.6mm	7-1/16" 176.6mm
Bore Size (d)	1.81	2.06	3.12	5.12
Face to Face (A)	RTJ 14.61	17.13	20.12	24.13
Handle Length (C)	30.00	36.00	-	-
Handwheel Diameter (F)	-	-	17.00	20.00
Approx. Weight (Lbs.)	110	190	350	750

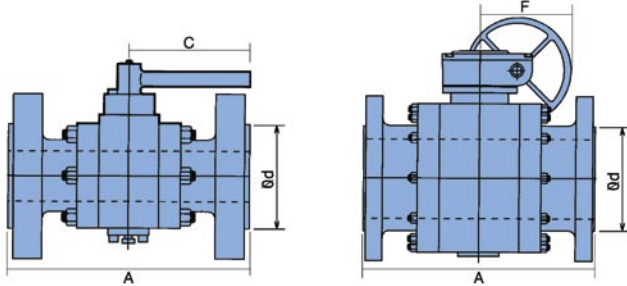
MODEL FF5009/GG5009

Construction: Three-piece body design, full bore, or reduced bore trunnion mounted ball, double block and bleed, anti-static device, fire-safe to API-607/API-6FA. Spring loaded seats, designed according to API-6D.

Dimensions

Face to Face	API-6A
End Flange	API-6A
Rating	API 5000

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



Standard Materials

Figure Number	FF5009-1-CF-B, GG5009-1-CF-B	FF5009-1-BF-B, GG5009-1-BF-B	FF5009-1-LF-B, GG5009-1-LF-B
Body/Cap	ASTM A105	ASTM A105	ASTM A182 F316
Ball	ASTM A105*	ASTM A182 F316	ASTM A182 F316
Stem	17-4 PH	17-4 PH	17-4 PH
Seats & Inserts	ASTM A105* + Nylon	ASTM A182 F316 + Nylon	ASTM A182 F316 + Nylon
Seals	Viton/Graphite	Viton/Graphite	Viton/Graphite

* Electroless Nickel Plating .003"

API 5000 • Full Bore

Dimensions
in inches

Valve Size	2-1/16" 51.6mm	3-1/8" 78.13mm	4-1/16" 101.6mm	5-1/8" 128.1mm	7-1/16" 176.6mm
Bore Size (d)	2.06	3.12	4.06	5.12	7.06
Face to Face (A)	RTJ 14.61	18.62	21.61	28.62	32.01
Handle Length (C)	30.00	-	-	-	-
Handwheel Diameter (F)	-	17.00	20.00	20.00	24.00
Approx. Weight (Lbs.)	110	240	420	805	1,360

API 5000 • Reduced Bore

Dimensions
in inches

Valve Size	2-1/16" 51.6mm	3-1/8" 78.13mm	4-1/16" 101.6mm	7-1/16" 176.6mm
Bore Size (d)	1.81	2.06	3.12	5.12
Face to Face (A)	RTJ 14.61	18.62	21.61	28.00
Handle Length (C)	30.00	-	-	-
Handwheel Diameter (F)	-	17.00	20.00	24.00
Approx. Weight (Lbs.)	110	240	420	1,190

MODEL AW201



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

CS: Bar Stock

SS: Investment Cast

End to End: STANVAL Standard

End Threads: B2.1 NPT

Rating: 2000 WOG

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

Standard Materials

Figure Number	AW201-3-BF-R-L	AW201-3-LC-R-L
Body/Retainer	A105	A351 CF8M
Ball/Stem	A351 CF8M/316SS	A351 CF8M/316SS
Seat	RTFE	RTFE
Seals	PTFE	PTFE

2000 WOG

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

MODEL BW201



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: STANVAL Standard

End Threads: ASME B2.1 NPT

Rating: 2000 WOG

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

Standard Materials

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

2000 WOG

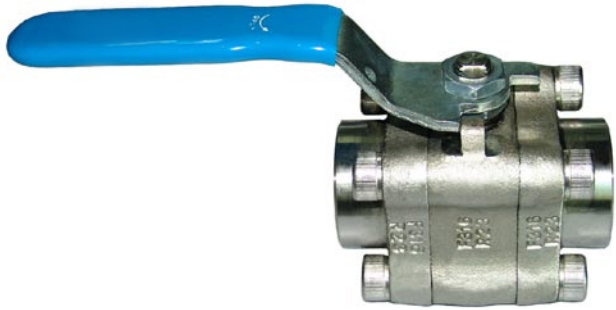
Dimensions in inches

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

MODEL D801/DD801/D1501

Construction:

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



End to End: STANVAL 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	D801-1-DF-G-L DD801-1-DF-G-L D1501-1-DF-B-L	D801-1-LF-G-L DD801-1-LF-G-L D1501-1-LF-B-L
Body/Cap	A105N	F316SS
Ball/Stem	A182 F6A	A182 F316
Seats	RTFE/Nylon	RTFE/Nylon
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

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:** STANVAL 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

Standard Materials

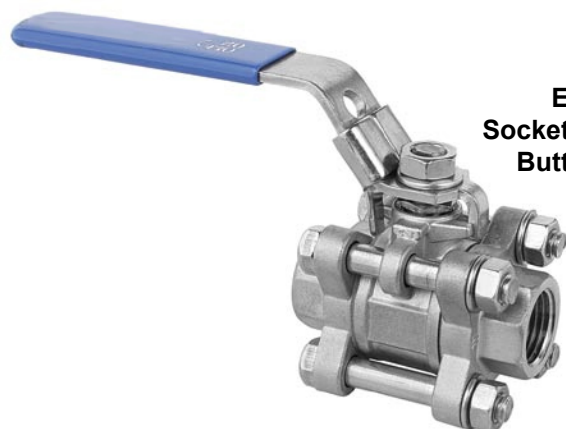
Figure Number	DW101-3-BC-R-L	DW101-3-LC-R-L
Body/Cap	A216 WCB	A351 CF8M
Ball/Stem	A351 CF8M/316SS	A351 CF8M/316SS
Seats	RTFE	RTFE
Seals	PTFE	PTFE

1000 WOG

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	0.51	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

MODEL DW081



- 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:** STANVAL 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

Standard Materials

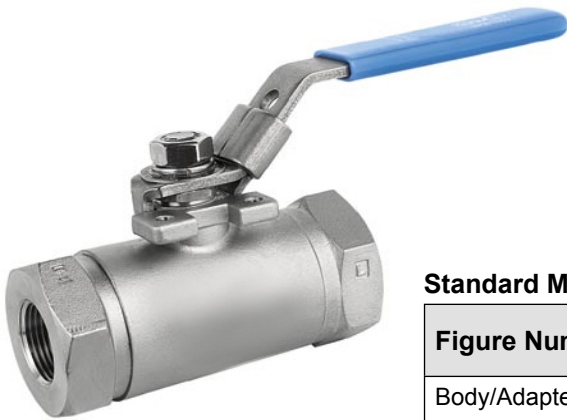
Figure Number	DW101-3-BC-R-L	DW101-3-LC-R-L
Body/Cap	A216 WCB	A351 CF8M
Ball/Stem	A351 CF8M/316SS	A351 CF8M/316SS
Seats	RTFE	RTFE
Seals	PTFE	PTFE

800 WOG

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

Dimensions in inches

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: STANVAL Standard

End Threads: ASME B1.20.1

Rating: 3000 WOG

Standard Materials

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

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	A216 WCB / AISI 1018		A351 CF8M	
Ball/Stem	316SSS		316SS	
Seats	Delrin		Delrin	
Seals	VITON / Graphite		VITON / 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

MODEL BW601/CW601



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: STANVAL Standard

End Threads: ASME B1.20.1

Rating: 6000 WOG

Standard Materials

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

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	A216 WCB / AISI 1018		A351 CF8M	
Ball/Stem	316SSS		316SS	
Seats	Delrin		Delrin	
Seals	VITON / Graphite		VITON / Graphite	

6000 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	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

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: STANVAL Standard Male x Female

End Threads: ASME B1.20.1

Rating: 3000 WOG

Standard Materials

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

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	VITON / Graphite		VITON / Graphite	

3000 WOG

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

MODEL BW604/CW604



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: STANVAL Standard Male x Female

End Threads: ASME B1.20.1

Rating: 6000 WOG

Standard Materials

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

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	VITON / Graphite		VITON / Graphite	

6000 WOG

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

MODEL SW601 NEEDLE VALVE



****NACE MR-01-75 Certified****
(For CF8M body only)

Construction: Heavy duty body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, Delrin replaceable soft seat.

End to End: STANVAL Standard Female x Female

End Threads: ASME B1.20.1

Rating: 6000 WOG

6000 WOG

Dimensions in inches

Valve Size	1/4" 8mm	1/2" 15mm	3/4" 20mm	1" 25mm
Bore Size	0.25	0.25	0.38	0.38
End to End	2.88	2.88	4.25	4.25
Centerline to End	1.44	1.44	2.13	2.13
Height at Close Pos.	3.63	3.63	4.96	4.96
Open Travel	0.38	0.38	0.35	0.35
Approx. Weight (lbs.)	1.36	1.19	2.39	2.38

Standard Materials

Figure Number	SW601-3-SF-N-L	SW601-3-LC-N-L
Body	12L14	A351 CF8M
Stem	316SS	316SS
Seat	Delrin	Delrin
Seals	Viton	Viton

MODEL SW1001 NEEDLE VALVE



****NACE MR-01-75 Certified****
(For CF8M body only)

Construction: Heavy duty body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, metal to metal stem seat.

End to End: STANVAL Standard Female x Female

End Threads: ASME B1.20.1

Rating: 10000 WOG

10000 WOG

Dimensions in inches

Valve Size	1/4" 8mm	1/2" 15mm
Bore Size	0.25	0.25
End to End	2.88	2.88
Centerline to End	1.44	1.44
Height at Close Pos.	3.63	3.63
Open Travel	0.38	0.38
Approx. Weight (lbs.)	1.36	1.19

Standard Materials

Figure Number	SW1001-3-SF-M-L	SW1001-3-LC-M-L
Body	12L14	A351 CF8M
Stem	316SS	316SS
Seat	Metal	Metal
Seals	Viton	Viton

MODEL SW604 NEEDLE VALVE



****NACE MR-01-75 Certified****
(For CF8M body only)

Construction: Heavy duty body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, Delrin replaceable soft seat.

End to End: STANVAL Standard Male x Female

End Threads: ASME B1.20.1

Rating: 6000 WOG

6000 WOG

Dimensions in inches

Valve Size	1/4" 8mm	1/2" 15mm	3/4" 20mm	1" 25mm
Bore Size	0.25	0.25	0.44	0.44
End to End	3.25	3.38	5.50	5.50
Centerline to End	1.44	1.44	2.13	2.13
Height at Close Pos.	3.63	3.63	4.76	4.76
Open Travel	0.38	0.38	0.55	0.55
Approx. Weight (lbs.)	1.28	1.28	2.39	2.38

Standard Materials

Figure Number	SW604-3-SF-N-L	SW604-3-LC-N-L
Body	12L14	A351 CF8M
Stem	316SS	316SS
Seat	Delrin	Delrin
Seals	Viton	Viton

MODEL SW1004 NEEDLE VALVE



****NACE MR-01-75 Certified****
(For CF8M body only)

Construction: Heavy duty body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, metal to metal stem seat.

End to End: STANVAL Standard Male x Female

End Threads: ASME B1.20.1

Rating: 10000 WOG

10000 WOG

Dimensions in inches

Valve Size	1/4" 8mm	1/2" 15mm
Bore Size	0.25	0.25
End to End	2.88	2.88
Centerline to End	1.44	1.44
Height at Close Pos.	3.63	3.63
Open Travel	0.38	0.38
Approx. Weight (lbs.)	1.36	1.19

Standard Materials

Figure Number	SW1004-3-SF-M-L	SW1004-3-LC-M-L
Body	12L14	A351 CF8M
Stem	316SS	316SS
Seat	Metal	Metal
Seals	Viton	Viton

MODEL SGW605 GAUGE VALVE



****NACE MR-01-75 Certified****
(For Model SGW605-3-LC-N-L)

Construction: Oversized barstock body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, Delrin replaceable soft seat.

End to End: STANVAL Standard
End Threads: ASME B1.20.1
Rating: 6000 WOG

6000 WOG

Valve Size	1/2" 15mm
Bore Size	0.25
End to End	5.63
Centerline to End	2.38
Height at Close Pos.	3.63
Open Travel	0.38
Approx. Weight (lbs.)	2.29

Dimensions
in inches

Standard Materials

Figure Number	SGW605-3-SF-N-L	SGW605-3-LC-N-L
Body	12L14	A351 CF8M
Stem	316SS	316SS
Seat	Delrin	Delrin
Seals	Viton	Viton

MODEL SGW1005 GAUGE VALVE



****NACE MR-01-75 Certified****
(For Model SGW1005-3-LC-M-L)

Construction: Oversized barstock body, precision threaded bonnet with bonnet locking pin, metal to metal back seat, O-ring stem seal, metal to metal stem seat.

End to End: STANVAL Standard
End Threads: ASME B1.20.1
Rating: 10000 WOG

10000 WOG

Valve Size	1/2" 15mm
Bore Size	0.25
End to End	5.63
Centerline to End	2.38
Height at Close Pos.	3.63
Open Travel	0.38
Approx. Weight (lbs.)	2.29

Dimensions
in inches

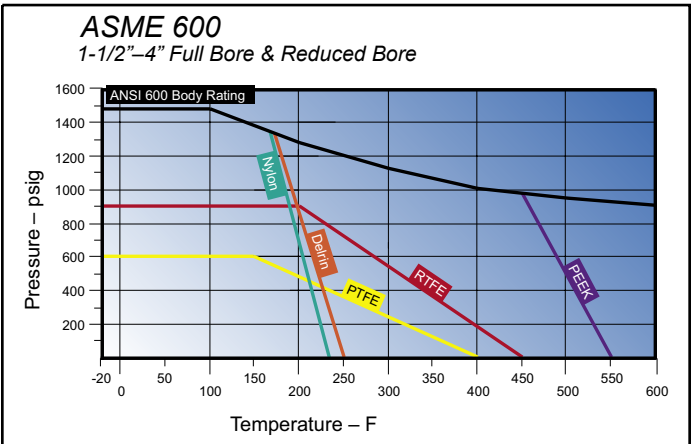
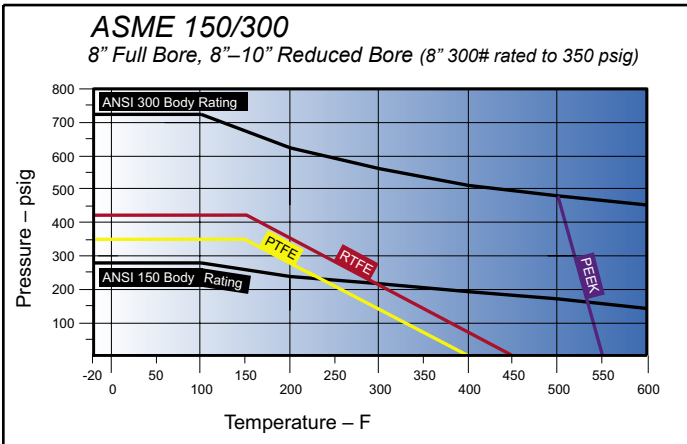
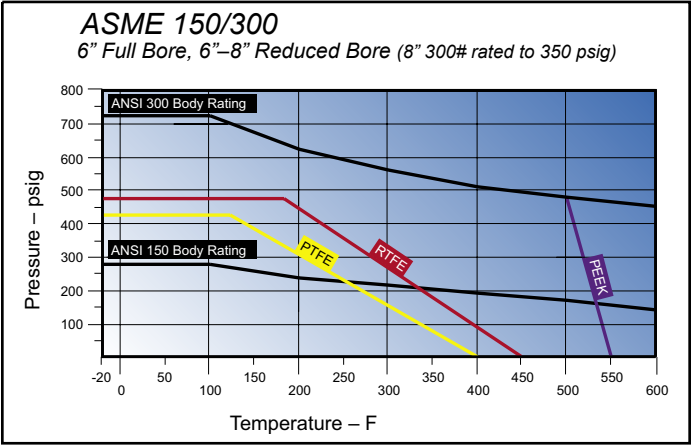
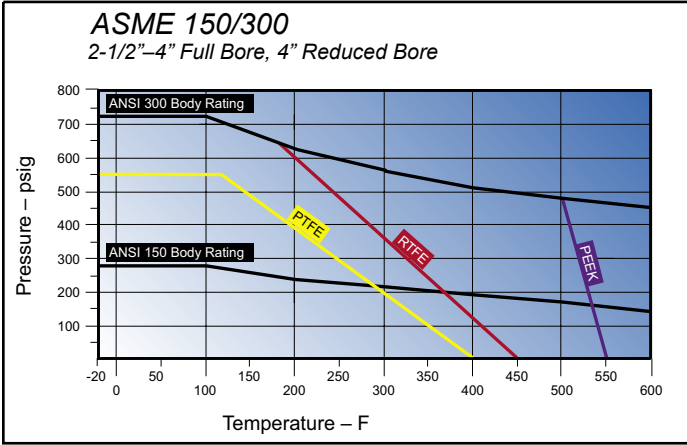
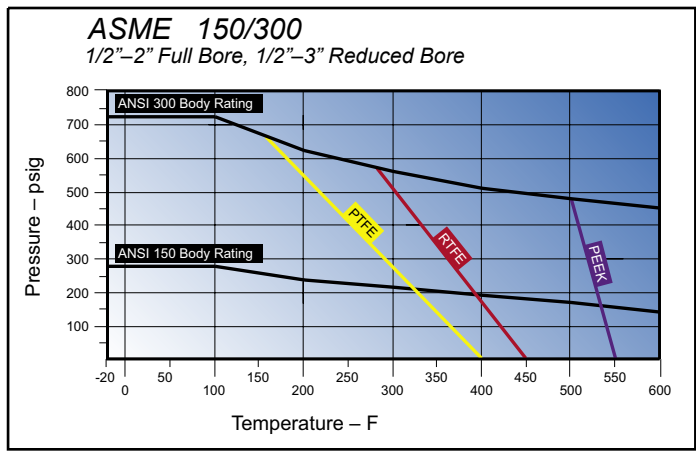
Standard Materials

Figure Number	SGW1005-3-SF-M-L	SGW1005-3-LC-M-L
Body	12L14	A351 CF8M
Stem	316SS	316SS
Seat	Metal	Metal
Seals	Viton	Viton

PRESSURE/TEMPERATURE CHART

Model A, B, & C Floating Ball Valve

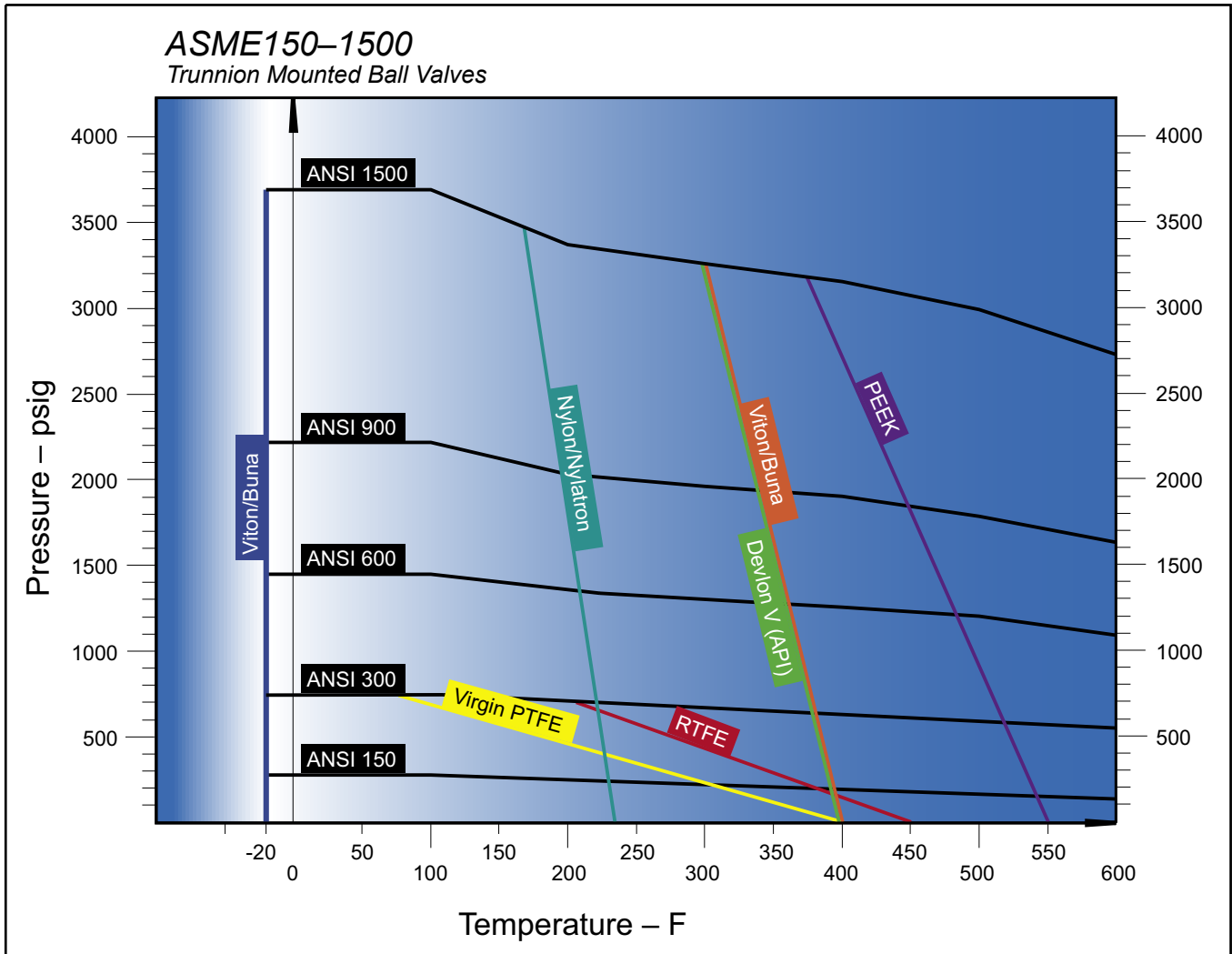
The following chart indicates the pressure and temperature ratings for commonly used seat and seal material used in ASME 150#–600# STANVAL floating ball valves. Other materials are available upon request.



PRESSURE/TEMPERATURE CHART

Model F, FF, G & GG Trunnion Mounted Ball Valve

The following chart indicates the pressure and temperature ratings for commonly used seat insert plastic and elastomer seal material used in STANVAL trunnion mounted ball valves. Other materials are available upon request.



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