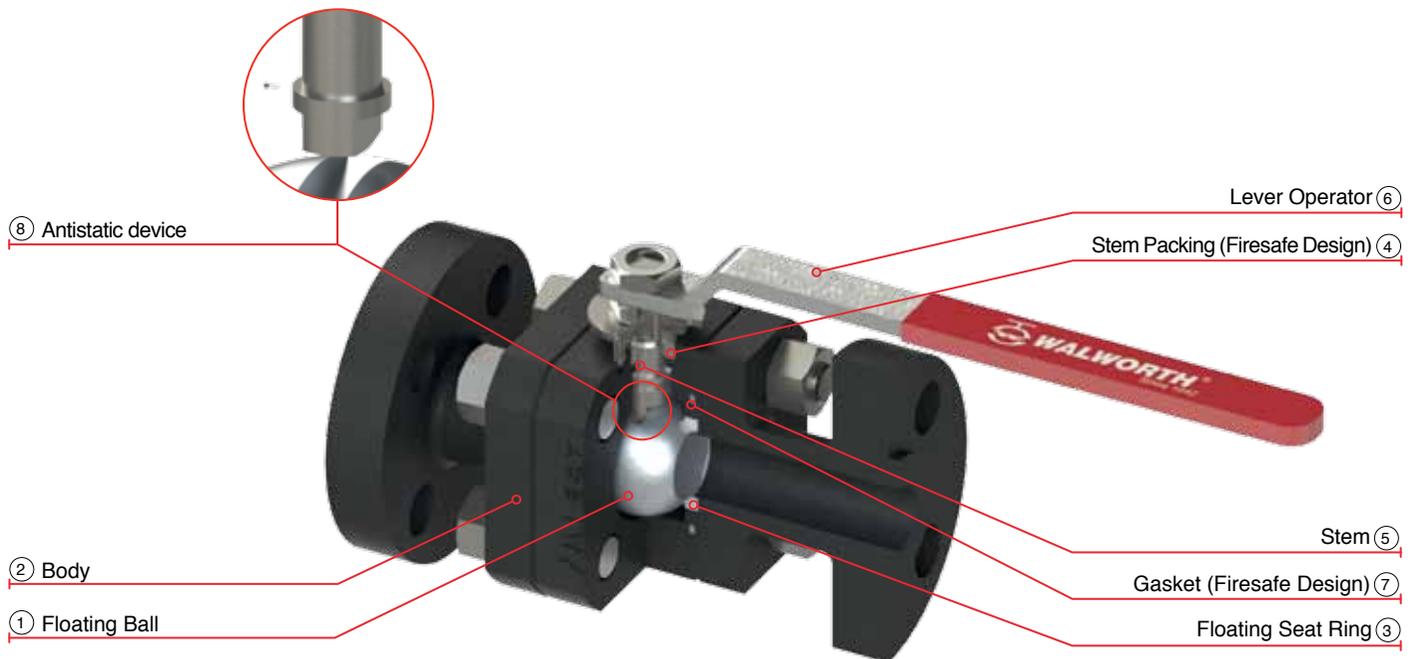


WALWORTH FIRE SAFE FLOATING BALL VALVES CLASS 1500

Design Features

- Design in accordance with API 6D
- CLASS 1500 as per ASME B16.34
- Full Port
- Reduced Port (upon request)
- Three-pieces body
- Fire safe design as per API 607
- Forged Steel Construction
- Bolted Body
- Flanged ends as per ASME B16.5
- End to end dimensions as per ASME B16.10
- Butt Weld ends as per ASME B16.25

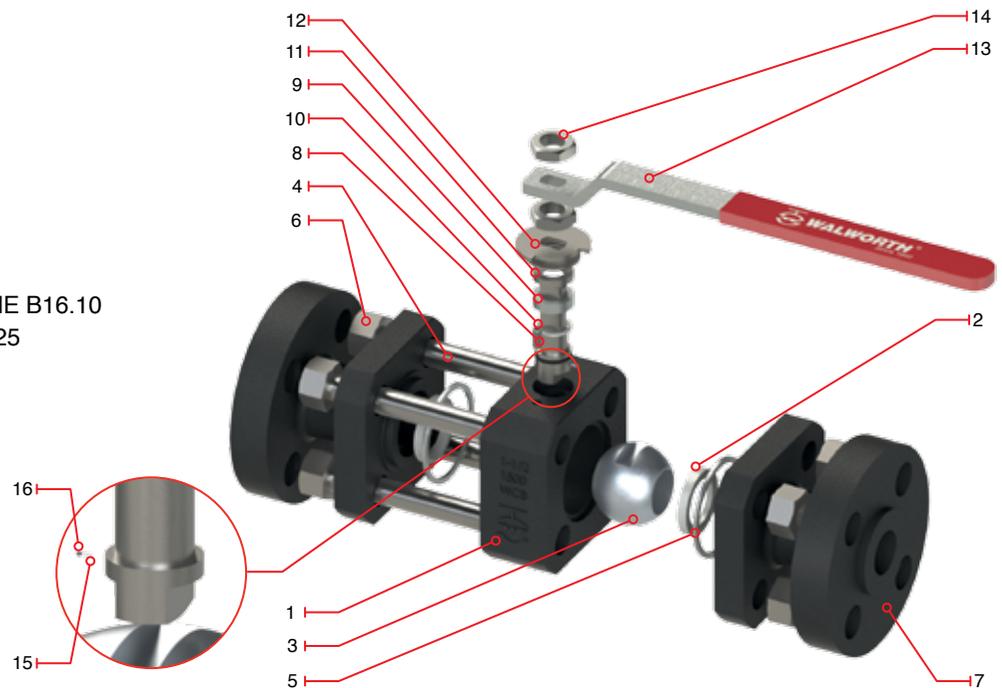


- ① Floating Ball. For all sizes & pressure ratings. The ball is only hold by the stem and is in movement with the direction of the fluid in order to seal with the seat rings.
- ② Body. Made of three pieces that includes the central body bolted with the end flanges.
- ③ Floating Seat Ring. Two independent dynamic soft seat rings that get in contact with the floating ball which seal in one side of the valve depending on the fluid direction.
- ④ Stem Packing (firesafe design). It is a graphite seal that ensure safety for fire emergency as it has a reliable operation with high levels of sealing integrity when operating the valve.
- ⑤ Stem. The stem design is anti blow out which is held up by the valve body and fits in the bottom with a small cavity in the top part of the floating ball.
- ⑥ Lever operator. It is supplied in all sizes to open and close the valve.
- ⑦ Gasket (firesafe design). It is a graphite seal that ensure safety for fire emergency as it has a reliable operation with high levels of sealing integrity between body and ends.
- ⑧ Antistatic device. An Inconel spring with a small ball is placed between stem-body to prevent static continuity.

WALWORTH FIRE SAFE FLOATING BALL VALVES CLASS 1500

Design Features

- Design in accordance with API 6D
- CLASS 1500 as per ASME B16.34
- Full Port
- Reduced Port (upon request)
- Three-pieces body
- Fire safe design as per API 607
- Forged Steel Construction
- Bolted Body
- Flanged ends as per ASME B16.5
- End to end dimensions as per ASME B16.10
- Butt Weld ends as per ASME B16.25



Regular Bill of Materials

No.	Description	Carbon Steel with Trim F4 (SS304)	Carbon Steel with Trim F3 (SS316)	Stainless Steel 316	Carbon Steel with Trim F4 (SS304) NACE	Stainless Steel 316 with Trim F3 (SS316) NACE
1	Body	ASTM A105	ASTM A105	ASTM A182 Gr. F316	ASTM A105	ASTM A182 Gr. F316
2	Seat Ring	Nylon				
3	Ball	ASTM A182 Gr. F304	ASTM A182 Gr. F316	ASTM A182 Gr. F316	ASTM A182 Gr. F304	ASTM A182 Gr. F316
4	Stud	ASTM A193 Gr. B7	ASTM A193 Gr. B7	ASTM A193 Gr. B8	ASTM A193 Gr. B7M	ASTM A193 Gr. B8M
5	Gasket	Flexible Graphite + Stainless Steel				
6	Nut	ASTM A194 Gr. 2H	ASTM A194 Gr. 2H	ASTM A194 Gr. 8	ASTM A194 Gr. 2HM	ASTM A194 Gr. 8M
7	End	ASTM A105	ASTM A105	ASTM A182 Gr. F316	ASTM A105	ASTM A182 Gr. F316
8	Stem	ASTM A564 Gr 630 17-4PH	ASTM A564 Gr 630 17-4PH	ASTM A564 Gr 630 17-4PH	ASTM A564 Gr 630 17-4PH	ASTM A564 Gr 630 17-4PH
9	Packing	Flexible Graphite				
10	Stem Seat	RPTFE				
11	Washer	Carbon or Stainless Steel				
12	Stop Plate	Carbon or Stainless Steel				
13	Lever	Carbon Steel				
14	Stem Nut	ASTM A194 Gr. 2H	ASTM A194 Gr. 2H	ASTM A194 Gr. 8	ASTM A194 Gr. 2HM	ASTM A194 Gr. 8M
15	Antistatic Spring	Inconel 750				
16	Small ball	Stainless Steel				
*17	Identification Plate	Stainless Steel				

* Not Shown

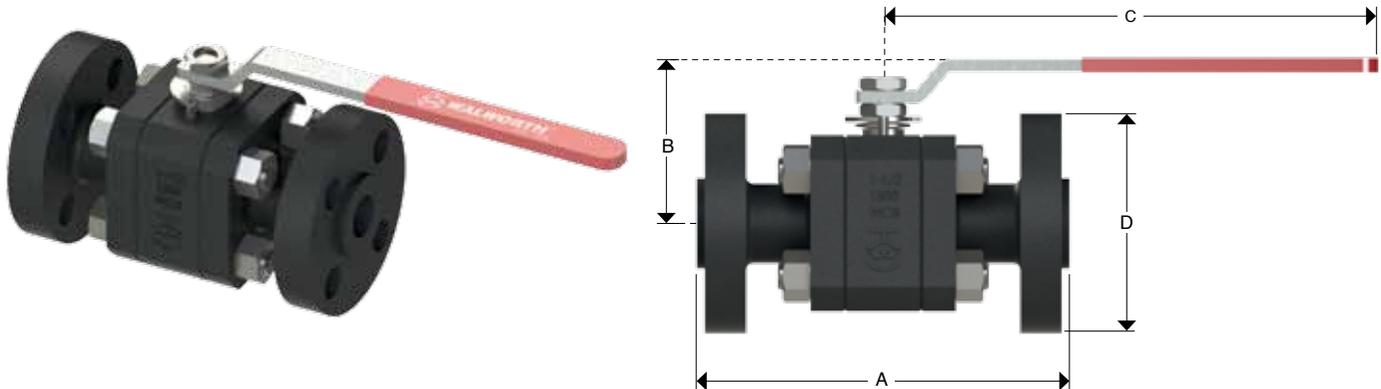
WALWORTH FIRE SAFE FLOATING BALL VALVES CLASS 1500

Design Features

- Design in accordance with API 6D
- CLASS 1500 as per ASME B16.34
- Full Port
- Three-pieces body
- Fire safe design as per API 607
- Forged Steel Construction
- Bolted Body
- Flanged ends as per ASME B16.5
- End to end dimensions as per ASME B16.10
- Butt Weld ends as per ASME B16.25

Lever Operator	
Catalog Figure No.	Type of Ends
7512-Z	Flanged Raised Face
7513-Z	Flanged Ring Type Joint
7514-Z	Butt Weld

Lever Operator (Reduced Port)	
Catalog Figure No.	Type of Ends
7512-RZ	Flanged Raised Face
7513-RZ	Flanged Ring Type Joint
7514-RZ	Butt Weld



Dimensions and Weights

D Nominal Diameter	mm	15	20	25	32	40
	in	1/2	3/4	1	1 1/4	1 1/2
A (RF)	mm	216	229	254	279	305
	in	8 1/2	9	10	11	12
D	mm	121	130	149	159	178
	in	4 3/4	5 1/8	5 6/7	6 1/4	7
B	mm	75	81	105	125	150
	in	3	3 1/5	4 1/7	5	6
C	mm	180	230	230	230	400
	in	7	9	9	9	15 3/4
Weight 7512-Z	kg	9	11	17	23	29
	lb	19.85	24.26	37.49	50.72	63.95

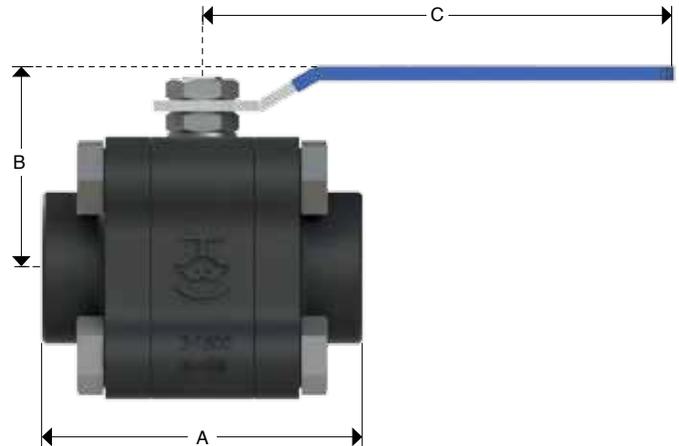
WALWORTH FIRE SAFE FLOATING BALL VALVES

CLASS 1500 (THREADED OR SOCKET WELD ENDS)

- Design in accordance with ASME 16.34
- CLASS 800 as per API 602
- Full Port
- Three-pieces body
- Fire safe design as per API 607
- Forged Steel Construction
- Bolted Body
- Threaded ends as per ASME B1.20.1
- End to end dimensions as per WALWORTH standard
- Socket Weld ends as per ASME B16.11

Lever Operator	
Catalog Figure No.	Type of Ends
7511-Z	Threaded (S)
7517-Z	Socket Weld (SW)
7510-Z	Threaded X Socket Weld (SSW)

Lever Operator (Reduced Port)	
Catalog Figure No.	Type of Ends
7511-RZ	Threaded (S)
7517-RZ	Socket Weld (SW)
7510-RZ	Threaded X Socket Weld (SSW)



Dimensions and Weights

D Nominal Diameter	mm	15	20	25	40	50
	in	1/2	3/4	1	1 1/2	2
A	mm	92	108	120	145	170
	in	3 5/8	4 1/4	4 5/7	5 5/7	6 2/3
B	mm	59	68	73	90	97
	in	2 1/3	2 2/3	2 7/8	3 1/2	3 5/6
C	mm	120	160	160	215	250
	in	4 5/7	6 2/7	6 2/7	8 1/2	9 5/6
Weight 7511-Z	kg	1.2	2	3.5	6	9.5
	lb	2.65	4.41	7.72	13.23	20.95