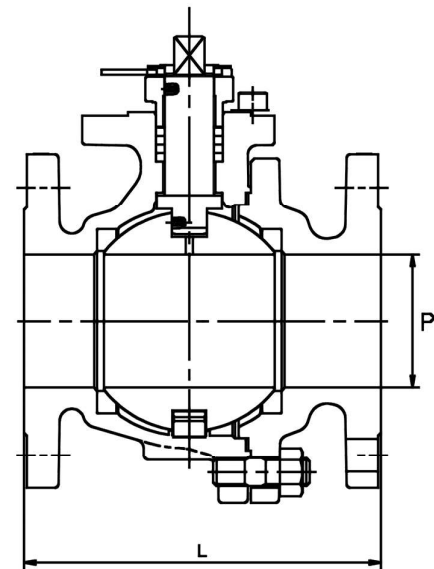
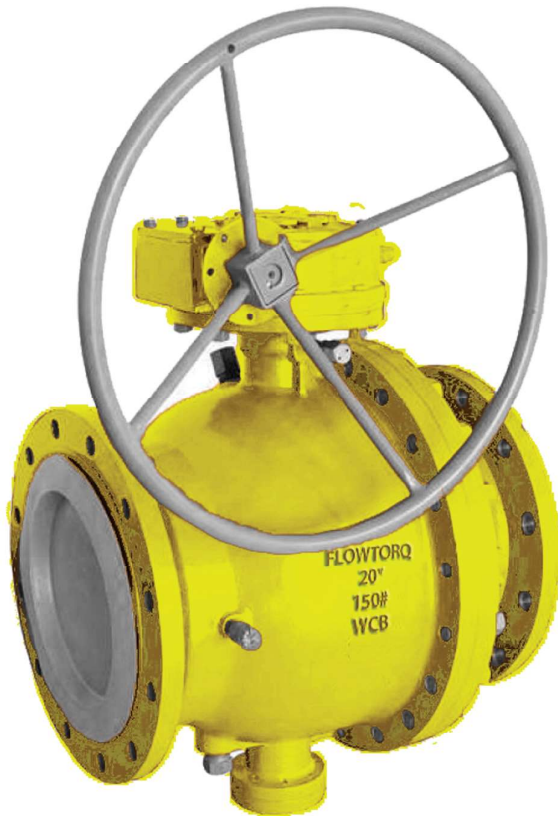




BALL VALVES - 2 PIECE BALL VALVES - 150#, 300#, 600#, 900#, 1500# & 2500#. Flanged, Butt Welded and Screwed* Ends

FLOWTORQ make 2 Piece design Ball Valves comes in cast two piece body in screwed, threaded and flanged types. A main body houses ball, stem and 1 seat whereas the side piece or adaptor houses 1 seat and sometimes, some portion of ball. And retainers wherever applicable. Ideal in tight shut off applications from low pressures to high and very high pressure as well. These ball valves are also designed and manufactured with extended stem for hot and cold applications. 2 piece ball valves are designed and manufactured in smaller to higher sizes and are expensive as compared to 1 piece design for similar size and class variant.



DESIGN & TESTING STANDARD
Design as per BS5351, ASME B16.34 & ISO 17292
ISO 5211 Top flange
FIRE SAFE as per BS API 607
Pressure testing according, API 598 & ISO 5208
Face to Face as per ASME B16.10 / ASME B16.34
RF, RTJ End Connection as per ASME B16.5
Butt Weld as per ASME B16.25
NPT / SW as per relevant standards

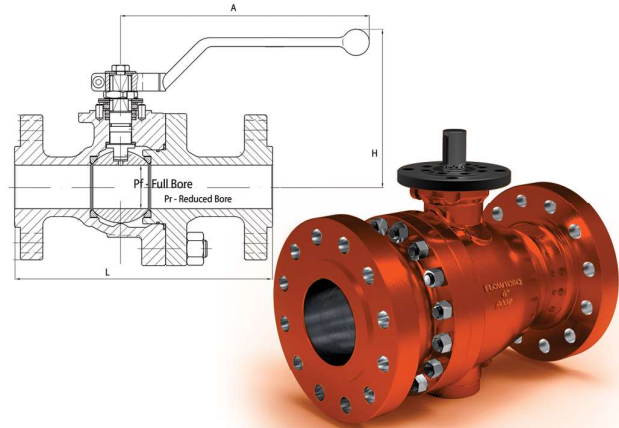
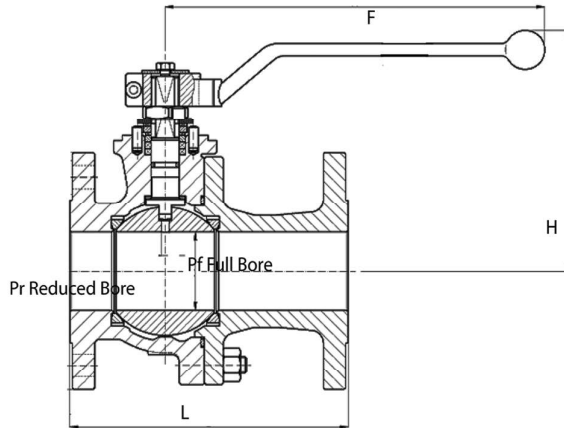
TEST / INSPECTION	METHOD	ACCEPTANCE CRITERIA
Visual Inspection		MSS SP-55
Marking		MSS SP-25 & ISO5208
Dimensional Inspection		Applicable valve
Chemical Analysis	ASTM E350	Applicable Standard
Mechanical Properties	ASTM A370	Applicable Standard
Liquid Penetrant Inspection	ASTM A165	ASME B16.34
Magnetic Particle Inspection	ASTM E709	ASME B16.34
Radiographic Inspection	ASME B16.34	ASME B16.34
Ultrasonic Inspection	ASTM A388	ASME B16.34
Pressure Testing	API 598 / ISO 5208	API 598 / ISO 5208



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150# - FULL BORE					
Size (P)		L	H	F	Weight (kg)
IN.	MM				
1/2"	15	108	110	164	2
3/4"	20	117	117	164	3
1"	25	127	129	164	3.5
1.1/2"	40	165	148	213	8
2"	50	178	155	348	11
2.1/2"	65	190	169	445	16
3"	80	203	207	495	23
4"	100	229	231	698	38
6"	150	394	298	868	88
8"	200	457	352		155
10"	250	533	499		175
12"	300	610	585		295
14"	350	686	656		580
16"	400	762	770		750

(Code - PV-10", 10"^c-GEN)

150# - REDUCE BORE					
Size (P)		L	H	F	Weight (kg)
IN.	MM				
1/2"	9.5	108	81	164	2
3/4"	15	117	98	164	2.5
1"	20	127	101	164	3
1.1/2"	32	165	117	210	5.2
2"	40	178	134	210	8
2.1/2"	52				
3"	49	203	149	348	14.5
4"	76	229	189	445	26
6"	102	267	227	495	45
8"	152	292	264		77
10"	203	330	307		114
12"	254	356	342		230
14"	305				
16"	337				

(Code - PV-10", 10"^c-GEN)

300# - FULL BORE					
Size (P)		L	H	F	Weight (kg)
IN.	MM				
1/2"	15	140	110	164	3
3/4"	20	152	117	164	4
1"	25	165	129	164	5
1.1/2"	40	190	148	213	11
2"	50	216	155	213	14
2.1/2"	65	241	180	213	30
3"	80	283	207	445	32
4"	100	305	231	495	52
6"	150	511	298	698	94
8"	200	502	443		157
10"	250	568	510		263
12"	300	648	610		480
14"	350	762	664		655
16"	400	838	777		890

(Code - PV-10", 10"^c-GEN)

300# - REDUCE BORE					
Size (P)		L	H	F	Weight (kg)
IN.	MM				
1/2"	9.5	140	81	164	2
3/4"	15	152	98	164	2.5
1"	20	165	101	164	4.5
1.1/2"	32	190	117	210	8.5
2"	40	216	134	210	11
2.1/2"	52	241	177	213	28
3"	49	283	149	348	21.5
4"	76	305	189	445	29
6"	102	403	227	495	70
8"	152	419	264		115
10"	203				
12"	254				
14"	305				
16"	337				

(Code - PV-10", 10"^c-GEN)

600# - FULL BORE					
Size (P)		L	H	F	Weight (kg)
IN.	MM				
1/2"	15	165	111	164	5.5
3/4"	20	190	117	164	8
1"	25	216	119	210	10
1.1/2"	40	241	137	347	19
2"	50	292	180	445	29
2.1/2"	65	330	295	210	58
3"	80	356	228	698	42
4"	100	432	245	698	78
6"	150	559	400		192
8"	200	660	472		329
10"	250	787	548		460
12"	300	838	680		570

(Code - J)

600# - REDUCE BORE					
Size (P)		L	H	F	Weight (kg)
IN.	MM				
1/2"	9.5	165	89	164	5
3/4"	15	190	111	164	8
1"	20	216	117	210	9
1.1/2"	32	241	119	347	15
2"	40	292	137	348	25
2.1/2"	52	330	270	210	40
3"	49	356	201	695	30
4"	76	432	228	695	64

(Code - J)

