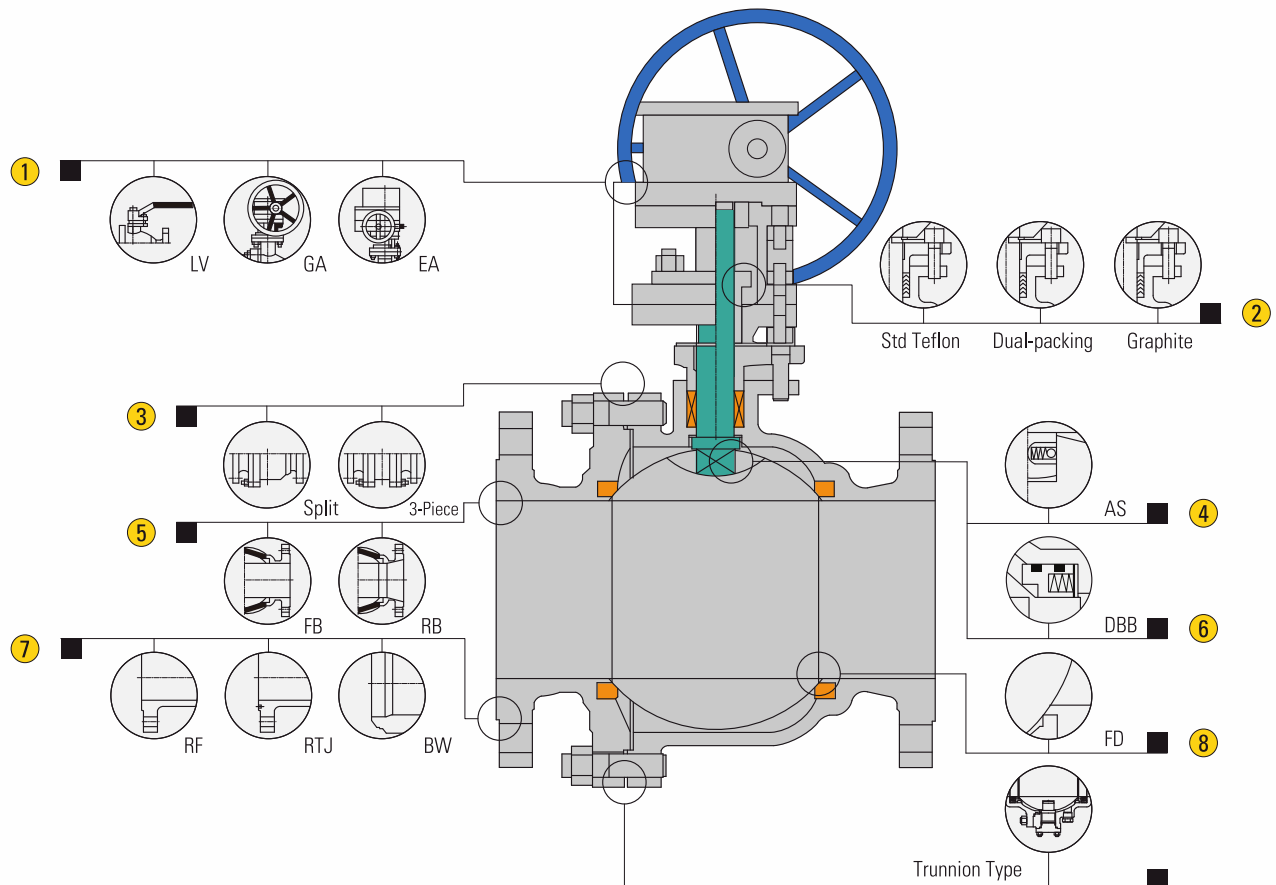


Available modifications for cast steel and stainless steel valves

- Trim changes
- End connection modifications
- Packing and gasket changes
- Operator mounting
- Handwheel extensions
- Prepressure equalizing
- AS od FD
- Customer specified coatings
- Weld end bore changes
- Oxygen & chlorine cleaning & packing



1. Operating

Extended lever for easy operation. Also available with gearing, motor actuators, pneumatic or hydraulic actuators for more difficult services.

2. Packing

STD Packing multiple V-TEFLON packing, combined with live loading, maintains packing compression under high cycle and severe service applications. Graphite packing use situation for high-temperature.

3. Body & Bonnet

Split or 3-piece, split body & bonnet for 12" & smaller. Disassembles easy for repair or replacement of internal components.

4. AS

Anti static. A metallic contact is always granted between ball and stem/body to discharge eventual statics build-up during service.

5. Bore

Full bore or reduced bore. Full bore design provides exceptional flow control.

6. DBB

Double block & bleed. The body cavity is isolated when the ball is in either fully closed or fully opened position, the medium entrapped in it can easily be bled to avoid over pressure.

7. End Connections

A choice of flange, RTJ flanged or butt welding end for piping flexibility.

8. FD

Fire durable. Design to API 607 or BS 6755 to grant their operation suitability in case of fire. Second metal-to-metal seal acts as backup if primary seal is destroyed by fire. Valves ordered for compliance with API 607 will be provided with graphite packing and gaskets.

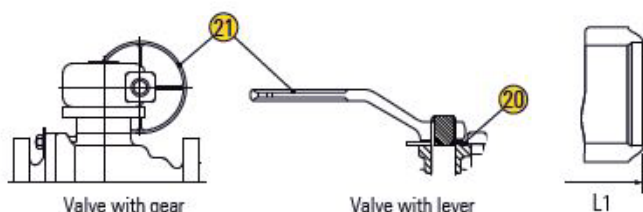
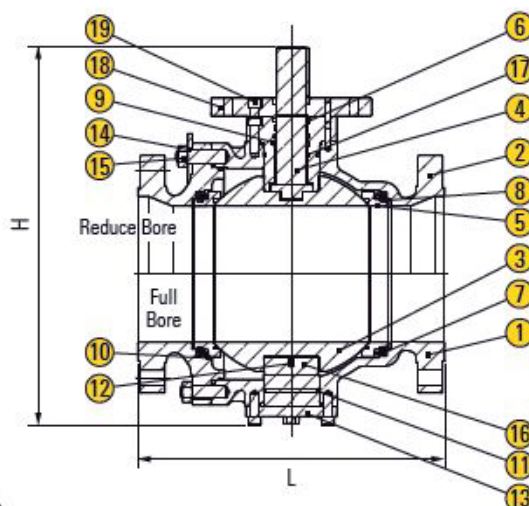
BALL VALVE API 6D (TRUNNION)

FIRE SAFE & ANTI-STATIC

CAST STEEL / STAINLESS STEEL



Tel: 03-5569 2933 (6 Lines) Fax: 03-5569 2588, 5569 2788
Email: mercroid@mercroid.com.my, valmicro@valmicro.com.my
http://www.mercroid.com.my



SPECIFICATION

Steel Ball Valves	API 608 / API 6D
Steel Ball Valves	ISO 14313
Fire Durable	API 607
Anti Static	API 608
Steel Valves	ASME B16.43
Face to Face	ASME B16.10
End Flanges	ASME B16.5
Butt Welding Ends	ASME B16.25
Inspection and Test	API 598 / API 6D

APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media
(Refer to corrosion resistance table for valve materials selection).

MATERIAL

Parts	ASTM Specification		
	Carbon Steel	Stainless Steel	Low Temperature Service
1 Body	A216-WCB	A351-CF8M	A352-LCB
2 Bonnet	A216-WCB	A351-CF8M	A352-LCB
3 Ball	A182-F304*1	A182-F316	A182-F304*1
4 Stem	A276-304	A276-316	A276-304
5 Seat	A105+ENP	A182-F316	A350-LF2+ENP
6 Stem Insert	Class Filled PTFE		
7 Seat Spring	A313-304	Inconel X-750	A313-304
8 Seat O-ring	NBR	Viton	Viton
9 Stem O-ring	NBR	Viton	Viton
10 Bonnet Gasket	Graphite+304*2	Graphite+316*2	Graphite+304*2
11 Bonnet O-ring	NBR	Viton	Viton
12 Antistatic Spring	A313-304	A313-316	A313-304
13 Grounding Plunger	A216-WCB	A182-F316	A182-F304
14 Bonnet Stud	A193-B7	A193-B8	A320-L7
15 Bonnet Stud Nut	A194-2H	A194-8	A194-4
16 Trunnion	A276-304	A276-316	A276-304
17 Trunnion Bearing	304+PTFE	316+PTFE	A304+PTFE
18 Gland Flange	A216-WCB	A351-CF8M	A352-LCB
19 Gland Bolt	A193-B7	A193-B8	A193-B7
20 Stop Plate	Carbon Steel	Carbon Steel+Zn	Carbon Steel
21 Handle	Carbon Steel		

*Note : (1) A 105+ENP optional, (2) Spiral wound construction

*Specification given are subject to changed without further notice.

CLASS 150

Unit : mm

Size (mm)	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L (RF)	178	190	203	229	394	457	533	610	686	762	864	914	1067	1143	1245	1295	1372	1524
L1 (BW)	216	241	283	305	457	521	559	635	762	838	914	991	1143	1245	1346	1397	1524	1727
H	177	190	210	235	530	625	650	780	790	920	970	1100	1150	1290	1400	1630	1840	2050
W	350	400	500	500	600	600	600	600	800	800	800	800	800	800	800	800	800	800
Weight (Kg)	13.5	15.5	24.5	32.5	76	132	147	182	241	370	495	726	1125	1250	1640	1930	2390	2760

CLASS 300

Unit : mm

Size (mm)	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L (RF)	216	241	283	305	403	502	568	648	762	838	914	991	1143	1245	1346	1397	1524	-
L1 (BW)	216	241	283	305	403	521	559	635	762	838	914	991	1143	1245	1346	1397	1524	-
H	177	190	210	235	530	625	650	780	790	920	970	1100	1150	1290	1400	1630	1800	-
W	350	400	500	500	600	600	600	600	800	800	800	800	800	800	800	800	800	-
Weight (Kg)	14	16	25	34	82	145	155	185	238	375	516	782	1280	1375	1825	2180	2260	-

CLASS 600

Unit : mm

Size (mm)	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700
L (RF) / L1 (BW)	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1549
L2 (RTJ)	295	333	359	435	562	664	791	841	892	994	1095	1200	1407	1461	1562
H	180	193	215	241	540	635	665	790	810	925	985	1130	1185	1335	1450
W	350	400	500	500	600	600	600	600	800	800	800	800	800	800	800
Weight (Kg)	19	25	42	51	82	200	395	610	805	1010	1350	1656	2775	3125	3790

CLASS 900

Unit : mm

Size (mm)	50	65	80	100	150	200	250	300	350	400	450	500	600
L (RF) / L1 (BW)	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549
L2 (RTJ)	371	422	384	460	613	740	841	968	1038	1140	1232	1334	1568
H	219	235	260	390	655	770	805	965	980	1145	1195	1360	1425
W	500	500	500	600	600	600	600	800	800	800	800	800	800
Weight (Kg)	23	31	51	61	102	240	480	735	965	1215	1625	1995	3335

CLASS 1500

Unit : mm

Size (mm)	50	65	80	100	150	200	250	300	350	400
L (RF) / L1 (BW)	368	419	470	546	705	832	991	1130	1257	1384
L2 (RTJ)	371	422	473	549	711	841	1000	1146	1276	1407
H	285	306	338	506	852	1000	1045	1255	1270	1485
W	500	500	600	600	600	800	800	800	800	800
Weight (Kg)	33	44	73	87	145	345	685	1050	1385	1735

CLASS 2500

Unit : mm

Size (mm)	50	65	80	100	150	200	250	300	350	400
L (RF) / L1 (BW)	451	508	578	673	914	1022	1270	1422	-	-
L2 (RTJ)	454	540	584	683	927	1038	1292	1445	-	-
H	304	327	362	540	911	1070	1120	1345	-	-
W	500	600	600	600	800	800	800	800	-	-
Weight (Kg)	41	55	91	110	182	430	855	1315	-	-

*Specification given are subject to changed without further notice.