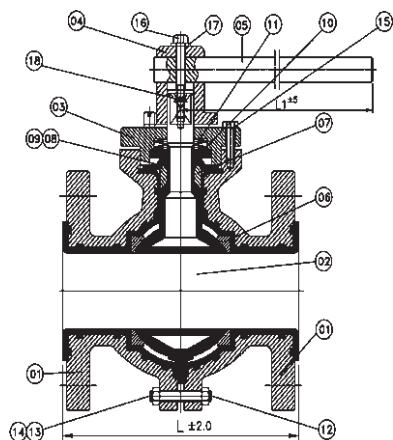




LINED BALL VALVE (FULL PORT)

Schematic Representation Only



Body Material Options :

- Ductile Iron GGG40.3 / ASTM A395
- Cast Steel ASTM A216 Gr.WCB
- ASTM A351 Gr. CF8 / S.S.304
- ASTM A351 Gr. CF8M / S.S.316
- Cast Iron IS2108 FG 260

Technical Specifications :

- Design Standard : BS EN ISO 17292:2004 (Formerly BS 5351)
- Drilling : ASA #150 / DIN 2632/2633 / BS 10 Table D, E or F
- Face to Face : ANSI B 16.10 / DIN 3202 / BS EN 558-1/2
- Lining Thickness : 3 to 5 mm
- Testing Standard : BS EN 12266-1&2 (2003)

Dimensional Data :

	SIZE (NB)	L ^{\$} (mm)	L1 (mm)
ANSI #150 FLANGED RF	15	140*	190
	20		
	25	127 / 140*	
	40	165	250
	50	178	330
	65	203*	430
	80	203	430
	100	228	530
	150	267	675
	200	294	675

* As per BS EN 558 – 2 Table 6, Series-3.

Testing in accordance with BS EN 12266-1 (2003) Table A.3

Technical Information subject to change without notice

18	GRUB SCREW (ALLEN CAP)	MS	1
17	PLAIN WASHER FOR LEVER BOSS	S.S	1
16	HEX HEAD SCREW FOR LEVER BOSS	S.S	1
15	HEX HEAD BOLT FOR TOP COVER	MS	4
14	SPRING WASHER	SPRING STEEL	8
13	HEX NUT	MS	4
12	HEX HEAD BOLT	MS	4
11	DISC SPRING -NICKEL PLATED	SPRING STEEL	4
10	THURST WASHER	MS (NICKEL PLATED)	1
9	DIAPHRAGM BACKUP	S.S	1
8	FLEXIBLE DIAPHRAGM	PTFE	1
7	SPHEAR BUSH	PTFE	1
6	SEAT RING	PTFE	2
5	LEVER ROD	MS	1
4	LEVER BOSS	ASTM A216 Gr.WCB	1
3	TOP COVER	ASTM A216 Gr.WCB	1
2	LINED INTEGRAL BALL	ASTM A216 Gr.WCB (FEP / PFA / ETFE LINED)	1
1	LINED SIDE PIECE	Ductile Iron / WCB (FEP / PFA / ETFE LINED)	2
NO.	DESCRIPTION	MOC	QTY

Lining Material Options :

- PFA – ASTM D 3307, Type II
- FEP – ASTM D 2116, Type IV
- ETFE – ASTM D 3159, Type I, Gr. 1
- PVDF – ASTM D 3322
- POLYPROPYLENE – ASTM D 4101
- HDPE

Salient Features :

- 'Maintenance Free' Glandless Live Load Design
- One Piece Integral Ball Stem Combination
- Minimum Cavity & Full Flow Efficient
- No Backlash in Stem & Ball even after prolonged service.
- Exceptionally Low Torque as compared to Plug Valve.

Test & Inspection Data :

- Hydraulic Test # : Body (Shell) – 20 Kg/Cm²
Seat – 11 Kg/Cm²
- Pneumatic Test # : Seat – 6 Kg/Cm²
- Spark Test : 15 K.V. D.C

Optional Design / Components :

- Antistatic Clip
- Higher Sizes Available On Request
- Pneumatic Actuator
- Other Accessories Available On Request
- Gear Box

Quality Valves you can rely on, Always.