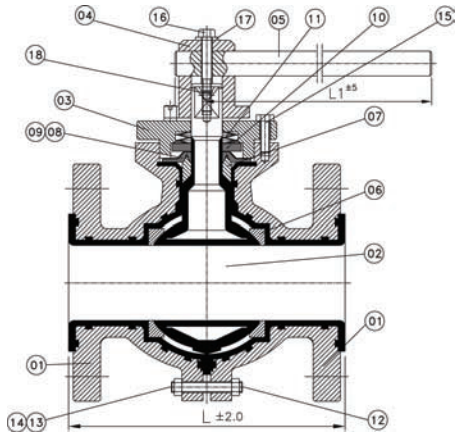
FULL PORT LINED BALL VALVE



Schematic Representation Only

No.	Description	MOC
1	Lined Side Piece	Ductile Iron / WCB(FEP Lined)†
2	Lined Integral Ball	ASTM A216 Gr.WCB(FEP Lined)†
3	Top Cover	ASTM A216 Gr.WCB
4	Lever Boss	ASTM A216 Gr.WCB
5	Lever Rod	MS
6	Seat Ring	PTFE
7	Sphear Bush	PTFE
8	Flexible Diaphragm	PTFE
9	Diaphragm Backup	S.S.
10	Thurst Washer	MS (Nickel Plated)
11	Disc Spring -nickel Plated	Spring Steel
12	Hex Head Bolt	MS
13	Hex Nut	MS
14	Spring Washer	Spring Steel
15	Hex Head Bolt For Top Cover	MS
16	Hex Head Screw For Lever Boss	S.S.
17	Plain Washer For Lever Boss	S.S.
18	Grub Screw (allen Cap)	MS

† Standard Scope of Supply

Body Material Options :

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

Lining Material Options :

- PFA - ASTM D 3307
- FEP - ASTM D 2116
- ETFE - ASTM D 3159
- PVDF - ASTM D 3322
- PP - ASTM D 4101
- HDPE

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 / Customer Specified.
- 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)

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.

Dimensional Data :

	SIZE	L$ (mm)	L1 (mm)	Torque§ (N.m)
ANSI #150 FLANGED RF	DN15-1/2" DN20-3/4"	140*†	175	14
	DN25-1"	127		
	DN40-1 1/2"	165	235	23
	DN50-2"	178	310	37
	DN65-2 1/2"	203*†	410	55
	DN80-3"	203	405	75
	DN100-4"	228	505	115
	DN150-6"	267	650	225
	DN200-8"	457@	G. Box	Consult Factory
	DN250-10"	533@	G. Box	Consult Factory

$ As per BS EN 558-2 Table-6, Series 3. † Standard Scope of Supply.
* As per Manufacturer's Standard | § Torque measured at △P = 11 Bar at Room Temperature in Wet Condition (Test Media - water).
# Testing in accordance with BS EN 12266-1(2003) Table A.3
@ As per EN558, Table 6, Sr. 12

Test & Inspection Data :

- Hydraulic Test # : Body (Shell) - 20 Kg/Cm^2
- Hydraulic Test # : Seat - 11 Kg/Cm^2
- Pneumatic Test # : Seat - 6 Kg/Cm^2
- Spark Test :15 K.V. D.C

Optional Design/Components :

- Antistatic Clip
- Pneumatic Actuator
- Gear Box

Technical Information subject to change without notice

HI-TECH™ APPLICATOR