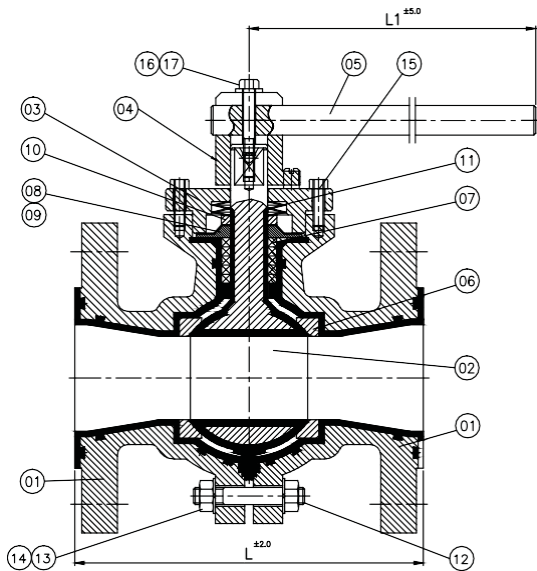


STANDARD PORT LINED BALL VALVE



NO.	DESCRIPTION	MOC
01	Lined Side Piece	Ductile Iron / WCB (FEP Lined)†
02	Lined Integral Ball	ASTM A216 Gr.WCB (FEP Lined)†
03	Top Cover	ASTM A216 Gr.WCB
04	Lever Boss	ASTM A216 Gr.WCB
05	Lever Rod	MS
06	Seat Ring	PTFE
07	Chevron Ring	PTFE
08	Flexible Diaphragm	PTFE
09	Diaphragm Backup	S.S.
10	Thrust Washer	MS (Nickel Plated)
11	Disc Spring-Nickel Plated	Spring Steel
12	Stud	HT 8 8
13	Hex Nut	HT 8 8
14	Spring Washer	Spring Steel
15	Hex Head Bolt For Top Cover	HT 8 8
16	Hex Head Screw For Lever Boss	S.S
17	Plain Washer For Lever Boss	S.S

Schematic Representation Only

† Standard Scope of Supply



DIMENSIONAL DATA

	SIZE	L [§] (mm)	L1 (mm)	Torque [§] (N.m)
ANSI #150 FLANGED RF	DN15-1/2"	140*†	175	14
	DN20-3/4"			
	DN25-1"	127		
	DN40-1 1/2"	165	175	14
	DN50-2"	178	235	23
	DN65-2 1/2"	203*	310	37
	DN80-3"	203	410	55
	DN100-4"	228	405	75
	DN150-6"	267	505	115
	DN200-8"	294	G. Box	225
	DN250-10"	533 [@]	G. Box	Consult

§ As per BS EN 558-2, Series 3. † Standard Scope of Supply.

* As per Manufacturer's Standard | § Torque measured at ΔP = 11 Bar at Room Temperature in Wet Condition (Test Media - water).

Testing in accordance with BS EN 12266-1(2012) Table A.3

@ As per EN558, Sr. 12

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
- ☑ ANT. PFA - ASTM D 3307
- ☑ FEP - ASTM D 2116
- ☑ ETFE - ASTM D 3159
- ☑ PVDF - ASTM D 3222
- ☑ PP - ASTM D 4101
- ☑ HDPE - ASTM D 3350

TECHNICAL SPECIFICATIONS

- ☑ Design Standard : BS EN ISO 17292:2015 (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 / BE EN 558-1/2
- ☑ Lining Thickness : 3 to 5 mm
- ☑ Testing Standard : BS EN 12266-1&2 (2012)

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
- ☑ 100% Leak tight (class VI leakage rate) operation

TEST & INSPECTION DATA

- ☑ Hydrostatic Test[§] : Body (Shell) - 20 Kg/Cm²
- ☑ Hydrostatic Test[§] : Seat - 11 Kg/Cm²
- ☑ Pneumatic Test[§] : Seat - 6 Kg/Cm²
- ☑ Spark Test : 15 K.V. D.C

OPTIONAL DESIGN/COMPONENTS

- ☑ Antistatic Clip
- ☑ Pneumatic / Electric Actuated ON / OFF & Control Valves
- ☑ Limit switch, Solenoid Valve, Positioners - Electro Pneumatic / Smart
- ☑ Gear Box

Technical Information subject to change without notice