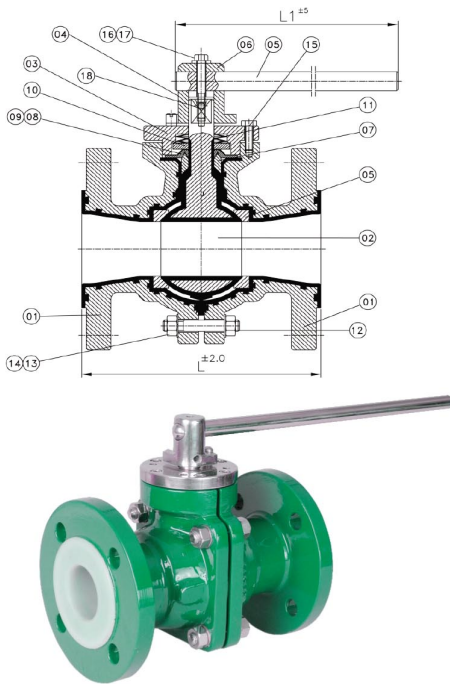


2LR Series - Standard Port Lined Ball Valve

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 :

- TEFLON® PFA – ASTM D 3307
- TEFLON® FEP – ASTM D 2116
- TEFLON® (ETFE) – ASTM D 3159
- KYNAR® (PVDF) – ASTM D 3322
- POLYPROPYLENE – 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 / BE 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 ^s (mm)	L1 (mm)	Torque (N.m)
ANSI #150 FLANGED RF	DN15-1/2"	140*†	190	13
	DN20-3/4"			
	DN25-1"	127		
	DN40-1 1/2"	165	190	13
	DN50-2"	178	250	18
	DN65-2 1/2"	203*	330	35
	DN80-3"	203	430	45
	DN100-4"	228	430	65
	DN150-6"	267	530	100
	DN200-8"	294	G. Box	190
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

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/Cm²
Seat - 11 Kg/Cm²
- Pneumatic Test # : Seat - 6 Kg/Cm²
- Spark Test : 15 K.V. D.C

Optional Design/Components :

- Antistatic Clip
- Pneumatic Actuator
- Gear Box

Technical Information subject to change without notice



How to Order - 2LR Series

How to Order:

Series	Material				Features			
Number	Body	Ball	Body & Trim Liner	Seats	Ends	Class	Size	Operation
2LR	2 WCB	2 WCB	A PFA	P PTFE	F FLANGED RF	0 ANSI 150#	0.5 1/2"	L Manual Lever Operator
	3 CF8M	3 316SS	F FEP				0.75 3/4"	G Gear Operator
	4 CF8	4 304SS	E ETFE				01 1"	B Bare Shaft
	6 DI/CI	8 ALLOY 20	K KYNAR				01.25 1-1/4"	P Pneumatic Actuator
	8 ALLOY 20	9 HASTELLOY	P PPL				01.5 1-1/2"	E Electric Actuator
	9 HASTELLOY		W HDPE				02 2"	X Stem Extension w/Lever
							03 3"	
							04 4"	
							05 5"	
							06 6"	
							08 8"	
							10 10"	

2 Pcs Standard Port Ball Valve, Body DI + PFA Liner, Trim 304 + PFA Liner, Seat PTFE, Flanged RF
ANSI Class 150# Size 6" with Lever

2LR-64AP-F006L

