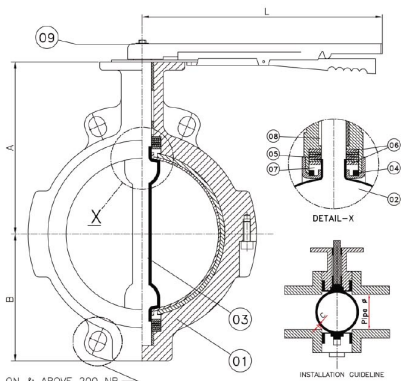


9L Series - Wafer Type Lined Butterfly Valve

Schematic Representation Only



Technical Specifications :

- Design Standard : BS EN 593:2004 (Formerly BS 5155)
- Drilling : ANSI B16.5 / DIN PN10/16
- Face to Face : API 609 / DIN 3202 K1 / BS 5155 / ISO 5752 / BS EN 558-1/2
- Lining Thickness : 3 to 5 mm
- Testing Standard : BS EN 12266-1&2 (2003)

Dimensional Data :

Suitable to Mount Between ANSI #150 / PN10-16 Flanges							
SIZE	F/F [†] (±2) (mm)	A (mm)	B (mm)	L (mm)	Min. Pipe Ø* (mm)	C\$ (mm)	Torque (N.m)
DN40-1 1/2"	33	90	65	260	26	1.5	15
DN50-2"	43	100	67	260	29	1.5	30
DN65-2 1/2"	46	115	65	260	49	1.5	40
DN80-3"	46	120	80	260	68	1.5	40
DN100-4"	52	158	95	260	88	1.5	50
DN150-6"	58*	190	120	325	145	1.5	100
DN200-8"	64*	220	162	G.Box	196	3	180
DN250-10"	70*	250	200	G.Box	245	3	250
DN300-12"	80*	270	232	G.Box	293	3	350
DN350-14"	86*	300	255	G.Box	332	3	500
DN400-16"	102	300	290	G.Box	378	3	600
DN450-18"	114	395	310	G.Box	430	3	1200
DN500-20"	127	420	342	G.Box	480	3	1500
DN600-24"	156*	510	400	G.Box	572	6	2000

* Smallest Pipe Ø of connecting pipe for Inline Mounting.

\$ 'C' Shows the minimum clearance required between Valve Disc & Pipe ID

◆ per Manufacturer's Standard † As per BS EN 558-2, Table-5, Series-20

No.	Description	Moc
1	Wafer Type Body	ASTM A216 Gr.WCB†
2	Body Liner	PFA† / PTFE
3	Disc With Integral Shaft	CS With S.S. Shaft Encapsulated With FEP † / PFA
4	Elastomer Backup	Silicon
5	Wedge Ring	PTFE
6	Thrust Washer	S.S.
7	GFT Bush	Glass Filled PTFE
8	Guide Bush	S.S. PTFE Coated
9	Lever Assembly	CS

† Standard Scope of Supply

Body / Disc 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

Lining Material Options :

- TEFLON® PTFE – ASTM D 4895-91a
- TEFLON® PFA – ASTM D 3307
- TEFLON® FEP – ASTM D 2116
- TEFZEL® (ETFE) – ASTM D 3159

Salient Features :

- 'Maintenance Free' High Performance Design
- Bubble Tight Closer provides process efficiency
- Dynamic Live Loaded Seal Design give super safe operation.
- Intact Performance in severe conditions of corrosion, abrasion and temperature fluctuation.

Test & Inspection Data :

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

Optional Design/Components :

- Anti-static Clip
- Gear Box / Actuator
- Unlined Disc – Astm A351 Gr.CF8 / CF8M
- Extended Stem Design
- Lug Type Design

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

⊚ Seat Test will be provided @1.5 of design pressure. Design Pressure of 400NB is 5 Kg/cm² & on and above 450NB is 2 Kg/cm²

Technical Information subject to change without notice

How to Order - 9L Series

How to Order:

Series	Material					Features						
Number	Body	Disc	Body & Trim Liner	Seats	Ends	Class	Size	Operation				
9L	2 WCB	2 WCB	A PFA	A PFA	W WAFER	0 ANSI 150#	01.5 1-1/2"	L	Manual Lever Operator			
	3 CF8M	3 316SS	F FEP	F FEP			02 2"	G	Gear Operator			
	4 CF8	4 304SS	E ETFE				02.5 2-1/2"	B	Bare Shaft			
	6 DI / CI	8 ALLOY 20	P PTFE				03 3"	P	Pneumatic Actuator			
	8 ALLOY 20	9 HASTELLOY					04 4"	E	Electric Actuator			
	9 HASTELLOY						05 5"	X	Stem Extension w/Lever			
							06 6"					
							08 8"					
							10 10"					
							12 12"					
							14 14"					
							16 16"					
							18 18"					
							20 20"					
							24 24"					

Wafer Type Lined Butterfly Valve, Body DI + PFA Liner, Disc 304 + PFA Liner, FEP Seat, Wafer ANSI Class 150# Size 6" with Lever

9L-64AF-W006L

