

AWWA C504 Center Line Butterfly Valve

Specification

- Meet or exceed the requirements of AWWA C504
- Rubber seats bonded to the body
- Robust design
- Mounting flange in accordance with MSS SP-102 or ISO 5211
- Flange and drilling complies with ASME B16.1 Class 125
- Mechanical-joint ends complied with ANSI/AWWA C111/A21.11

Working Pressure and Temperature

- 150 psi / 250 psi rated at -10°C to 120°C (14°F to 250°F) for EPDM liner
- 150 psi / 250 psi rated at -10°C to 82°C (14°F to 180°F) for BUNA-N liner

Options

- SS304 / 316 stainless steel shaft
- BUNA-N bonded body seat
- Gear operator or handle operated
- Flange and drilling complies with EN1092 PN10/16
- O-Ring stem seal for Flanged Ends Valves

Material Specifications

No.	Part	Material	ASTM Specification
1	Stem	Stainless Steel	A276, Grade 420
2	Packing Gland	Ductile Iron	A536 65-45-12
3	V-Packing	Rubber	D2000, BUNA-N
4	Bushing	Brass	B16 C37700
5	Body	Ductile Iron	A536 65-45-12
6	Body seat	Rubber	D2000 EPDM
7	Disc	Ductile Iron with SS316 Edge	
		Stainless Steel	A351, CF8
8	Packing Bushing	Brass	B16 C37700
9	Bottom Plate	Ductile Iron	A536, 65-45-12
10	O-Ring	Rubber	D2000, BUNA-N
11	Seal Bushing	Stainless Steel	A276, Grade 304
12	Shaft Bushing	Brass	B16 C37700

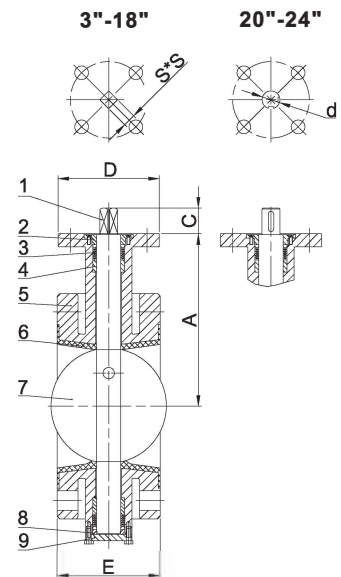
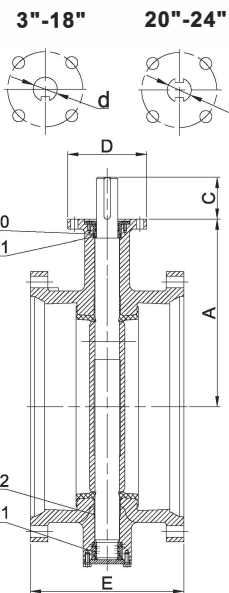
FIG. LV2102 - Stainless Steel Disc FIG. LV2103 - Ductile Iron Disc

Schematic



MJ Ends

Flanged Ends



Corrosion Protection

- Fusion bonded coating interior and exterior complies with AWWAC550

Dimensions (inch/mm)

Size	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
A	6.30/160	7.05/179	8.39/213	9.65/245	10.91/277	12.52/318	14.06/357	16.06/408	17.32/438	18.58/472	22.52/573
C	FL 1.18/30	1.18/30	1.18/30	1.18/30	1.18/30	1.18/30	1.77/45	1.77/45	1.77/45	1.77/45	1.77/45
	MJ 2.17/55	2.17/55	2.17/55	2.17/55	2.17/55	3.15/80	3.15/80	3.94/100	3.94/100	3.94/100	3.94/100
D	3.54/90	3.54/90	4.92/125	4.92/125	4.92/125	5.91/150	5.91/150	6.50/210	6.50/210	6.50/210	6.50/210
d/S	FL □ 11	□ 14	□ 22	□ 22	□ 22	□ 22	□ 22	□ 27	□ 27	Φ48	Φ48
	MJ Φ14	Φ14	Φ25	Φ25	Φ25	Φ40	Φ40	Φ45	Φ45	Φ48	Φ48
E	FL 5/127	5/127	5/127	6/152	8/203	8/203	8/203	8/203	8/203	8/203	8/203
	MJ 8.50/216	8.50/216	8.50/216	8.62/219	9.25/235	9.25/235	11.50/292	11.93/303	12.24/311	12.52/318	13.27/337

Notes

- Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.