

MODEL SHURJOINT SJ-300F BUTTERFLY VALVE

Resilient Seated Butterfly Valve from 2" to 12"

Product Description

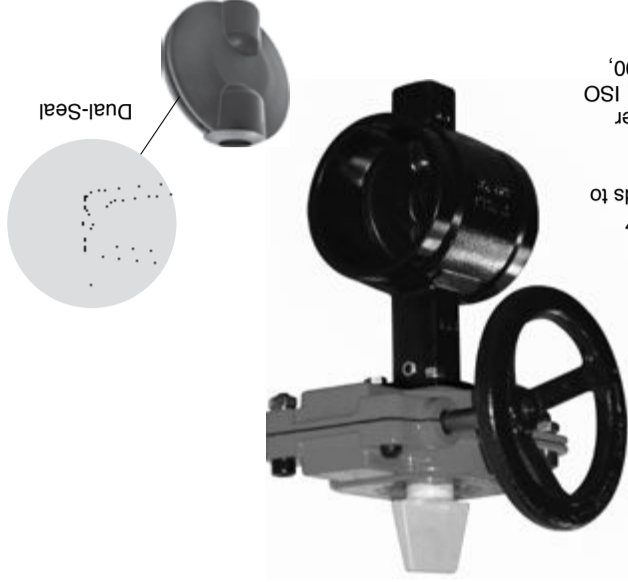
The Model SJ-300F Butterfly Valve is a grooved-end shut-off valve equipped with a worm gear operator and supervisory switch and wiring.

The Model SJ-300F is cULus* and FM* approved 300 psi (20 Bar, 2.0 MPa) WWP (water working pressure) for indoor and outdoor use. Flow characteristics satisfy UL Specification 1091 and FM Approval Standard 1112.

* For approval information, please visit Shurjoint website, www.shurjoint.com for details.

When the Model SJ-300F Butterfly Valve is used in fire protection applications, installations shall conform to NFPA 13 and NFPA 72.

The valve consists of an epoxy powder coated ductile iron body and EPDM rubber encapsulated dual-seal disc. The EPDM disc encapsulation rubber is certified under NSF/ANSI 61 & NSF/ANSI 372 for use in potable water systems.



Specifications:
 Overall dimension: MSS SP 67
 End connections: Grooved ends to ANSI/WWA C-606
 Applicable pipe: UL listed or FM approved pipe, ISO 4200, DIN 2448, BSI 1387-3600, NFA 49004

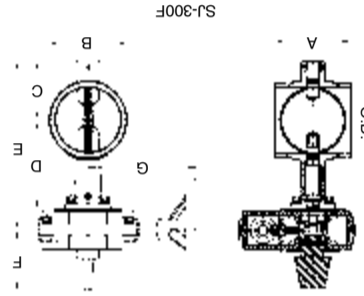
Technical Data:
 Range: 2" - 12"
 Working pressure: 300 psi
 Sealing test: 110% of working pressure
 Shell test: 200% of working pressure

Dual-Seal

Performance Data

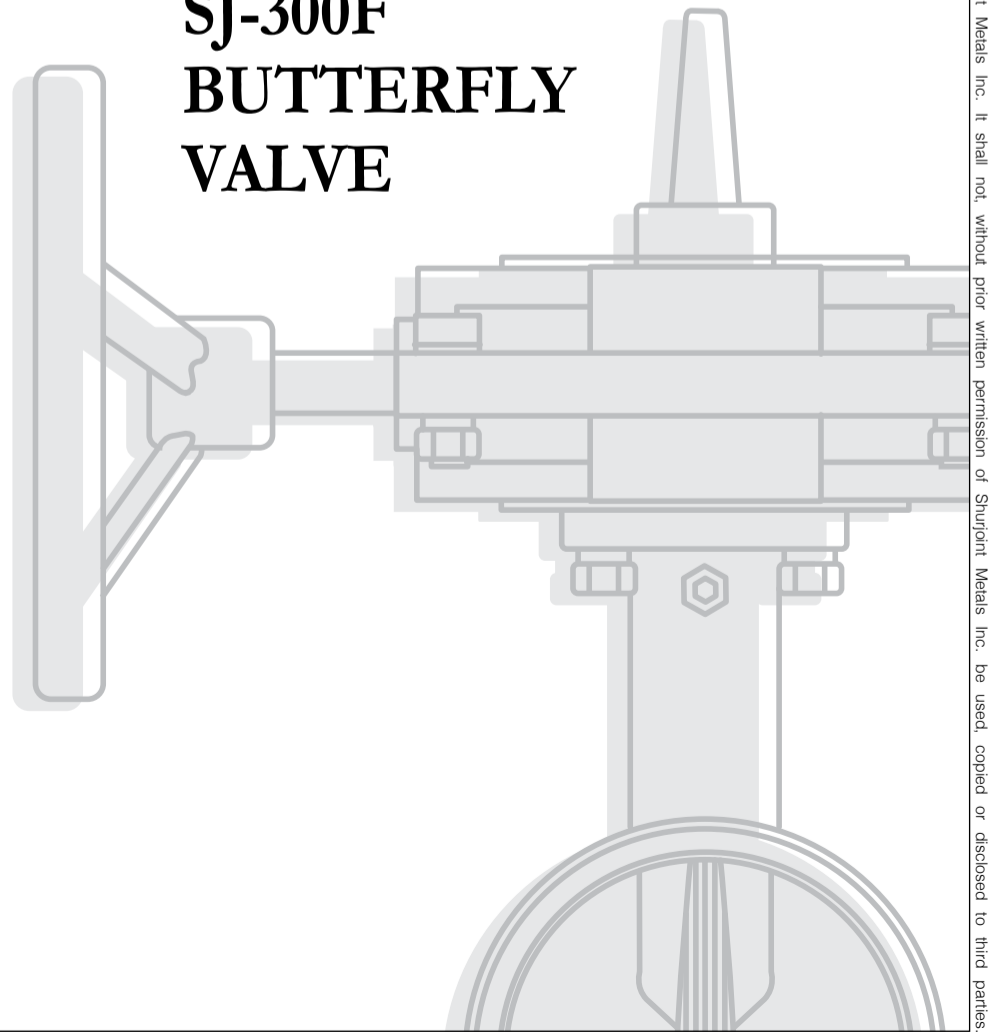
Nominal Pipe Size	Dimensions				Weight ⁽²⁾
	OD	in	mm	Lbs	
2	2.375	3.19	2.66	2.48	6.42
3	3.500	3.81	3.62	3.00	18.92
4	4.500	4.56	4.65	3.50	21.78
5	5.500	5.81	5.71	4.00	27.01
6	6.625	6.81	6.77	4.50	30.14
8	8.625	8.74	8.74	5.51	38.72
10	10.750	10.87	10.87	6.69	49.27
12	12.750	12.87	12.87	8.07	64.97
150	168.3	148	148	184	13.81
165.1mm	165.1	148	148	184	13.81
139.7mm	139.7	148	148	184	12.25
100	114.3	116	118	89	9.90
76.1mm	76.1	97	80	68	8.37
65	2.875	3.81	3.15	3.15	18.26
50	60.3	81	65	63	7.60
200 JIS	216.3	133	133	222	17.60
250	273.0	159	170	235	26.88
300	323.9	165	165	260	34.00

(1) End to end dimensions conform to MSS SP-67.
 (2) The weight includes the worm gear operator.

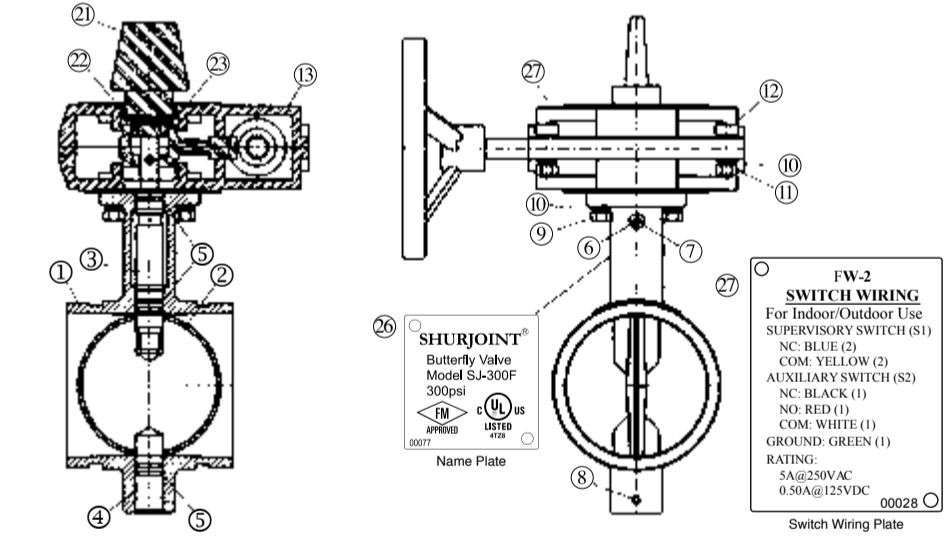


SHURJOINT®

Installation, Operation & Maintenance SJ-300F BUTTERFLY VALVE



Part List



No.	Part Name	Material
1	Valve Body	DI ASTM A536 Gr. 65-45-12 Epoxy coated (FDA approved)
2	Disc	DI/EPDM (FDA approved) Encapsulated
3	Upper Stem	Stainless Steel AISI 410
4	Lower Stem	Stainless Steel AISI 410
5	O-Ring	EPDM
6	Set Screw	Cr-Mo Steel
7	Hex. Nut	Carbon Steel
8	Spring Pin	Spring Steel
9	Hex. Bolt	Carbon Steel
10	Spring Washer	Spring Steel
11	Hex. Nut	Carbon Steel
12	Set Screw	Cr-Mo Steel
13	Actuator Case	DI ASTM A 536 Gr. 65-45-12
14	Segment Gear	DI ASTM A 536 Gr. 65-45-12
15	Packing	Nitrile
16	Case O-Ring	Nitrile
17	Handwheel Shaft	Carbon Steel SAE 1015
18	Worm Gear	Carbon Steel SAE 1045
19	Washer	Phosphor Bronze
20	Spring Pin	Spring Steel
21	Indicator Flag	DI ASTM A536 Gr. 65-45-12
22	Indicator O-Ring	Nitrile
23	Snap Ring	Carbon Steel
24	Handwheel	DI ASTM A536 Gr. 65-45-12
25	Switches & Wiring	UL listed
26	Name Plate	Aluminum
27	Switch Wiring Plate Model No. FW-1 for 2" ~ 3", FW-2 for 4" ~ 6" and FW-3 for 8" ~ 12"	Aluminum
28	Conduit Fitting	Commercial

FW-2 SWITCH WIRING
 For Indoor/Outdoor Use
 SUPERVISORY SWITCH (S1)
 NC: BLUE (2)
 COM: YELLOW (2)
 AUXILIARY SWITCH (S2)
 NC: BLACK (1)
 NO: RED (1)
 COM: WHITE (1)
 GROUND: GREEN (1)
 RATING:
 5A@250VAC
 0.50A@125VDC

00028

Switch Wiring Plate

