Dimensions Class 300 • OS&Y • Plug Type Disc

Figure 2317

Globe Valve, Raised Face, Flanged Ends, Plug Type Disc

Size Range:

½ through 8 inches

Design Features:

- Bolted Bonnet
- Recessed Retained Gasket
- Rising Stem, Rising Handwheel
- Integral Seat
- MSS SP-42
- ASME B16.34

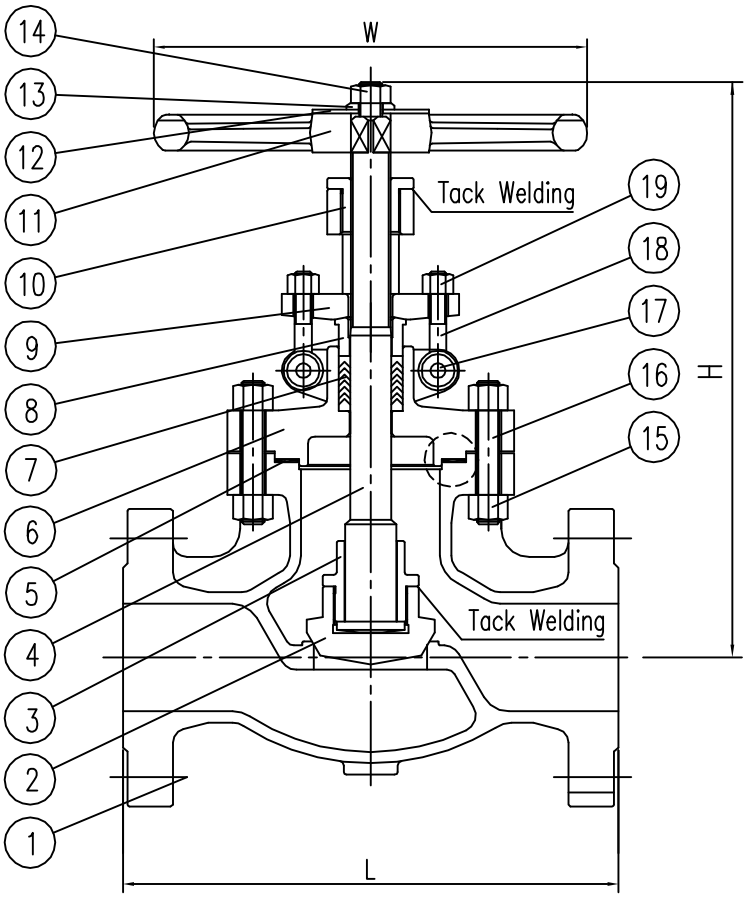

Fig. 2317

Dimensions and Weights

Valve Size	Weight (lbs)	Dimensions (inches)		
		L	H (open)	W
½	8.5	6.00	7.8	3.9
¾	10.8	7.00	7.8	3.9
1	16.3	8.00	9.0	5.5
1 ½	28.3	9.00	10.7	7.9
2	34.2	10.50	11.3	7.9
3	83.8	12.50	16.7	11.0
4	130.1	14.00	18.5	11.0
6	317.5	17.50	28.0	13.8
8	562.3	22.00	32.3	15.8

Please refer to page 28 for Pressure-Temperature Ratings.

Globe valves are ideal for throttling service. Their flow characteristics permit accurate and repeatable flow control. However, caution must be exercised to avoid extremely close throttling when pressure drop exceeds 20%. This creates excessive noise, vibration and possible damage to valves and piping. CRANE® does not recommend applications in excess of this due to possible damage to the valve.

Industry Standards

End Flanges	ASME B16.5
Wall Section	ASME B16.34
Face-to-Face	ASME B16.10
Pressure-Temp Rating	ASME B16.34
Testing	API 598

Materials of Construction

1	Body	ASTM A351 CF8M
2	Disc	ASTM A351 CF8M
3	Disc Cap	ASTM A351 CF8M
4	Stem	ASTM A276 T316
5	Gasket	PTFE
6	Bonnet	ASTM A351 CF8M
7	Packing	PTFE
8	Gland	ASTM A276 T317
9	Gland Flange	ASTM A351 CF8
10	Yoke Sleeve	ASTM A439 D2
11	Handwheel	ASTM A536
12	ID Tag	304 SS
13	Washer	ASTM A276 420
14	Handwheel Nut	ASTM A194 GR 8
15	Nut	ASTM A194 GR 8
16	Bonnet Bolt	ASTM A193 GR B8
17	Hinge Pin	ASTM A276 T304
18	Bolt	ASTM A193 GR B8
19	Nut	ASTM A194 GR 8