

Dimensions Class 150 • OS&Y • Plug Type Disc

Figure 317

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

Size Range:

½ through 12 inches

Design Features:

- Bolted Bonnet
- Recessed Retained Gasket
- Rising Stem
- Integral Seat
- Disc Guide Below Seat
- MSS SP-42
- ASME B16.34

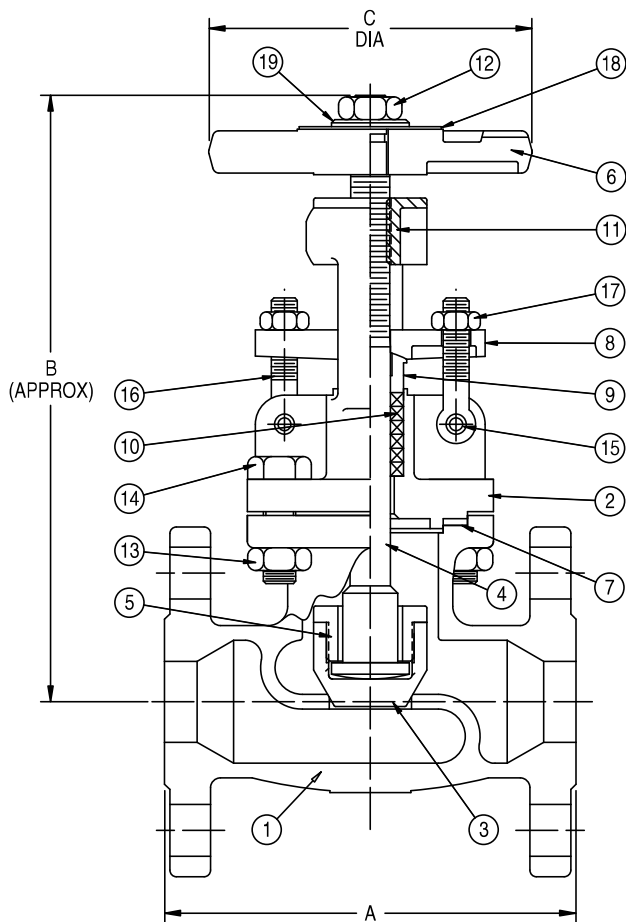


Fig. 317

Dimensions and Weights

Valve Size	Weight (lbs)	Dimensions (inches)		
		A	B (open)	C
½	7.6	4.25	7.1	3.9
¾	8.9	4.63	7.3	3.9
1	11.6	5.00	7.9	3.9
1 ½	16.4	6.50	9.2	5.5
2	25.2	8.00	10.2	6.3
2 ½	46.3	8.50	11.1	7.9
3	61.7	9.50	13.5	7.9
4	97.0	11.50	14.8	8.8
6	198.5	16.00	16.9	11.0
8	383.7	19.50	22.0	11.8
10	546.8	24.50	29.7	15.7
12	848.9	27.50	32.5	15.7

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