

Dimensions 200 CWP • Threaded Bonnet • Plug Type Disc

Figure 40

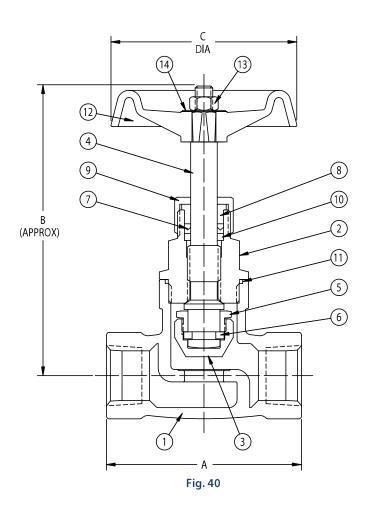
Globe Valve, Threaded Ends, Plug Type Disc

Size Range:

½ through 2 inches

Design Features:

- Threaded Bonnet
- Inside Screw
- Rising Stem
- Integral Seat
- MSS SP-42
- ASME B16.34



Dimensions and Weights

		Dimensions (inches)		
Valve Size	Weight (lbs)	A	B (open)	С
1/2	1.0	2.60	3.7	2.7
3/4	1.4	3.20	3.8	2.7
1	1.8	3.54	4.5	3.1
1 ½	3.3	4.72	5.8	3.6
2	4.9	5.55	6.6	4.0

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.

1	Body	ASTM A351 CF8M
2	Bonnet	ASTM A351 CF8M
3	Disc	316 SS
4	Stem	316 SS
5	Disc Nut	316 SS
6	Disc Washer	316 SS
7	Packing	PTFE
8	Gland	316 SS
9	Gland Nut	316 SS
10	Packing Washer	316 SS
11	Gasket	PTFE
12	Handwheel	Aluminum
13	Handwheel Nut	304 SS
14	ID Tag	Aluminum



Dimensions Class 150 • OS&Y • Plug Type Disc

Figure 310

Globe Valve, Threaded Ends, Plug Type Disc

Figure 314

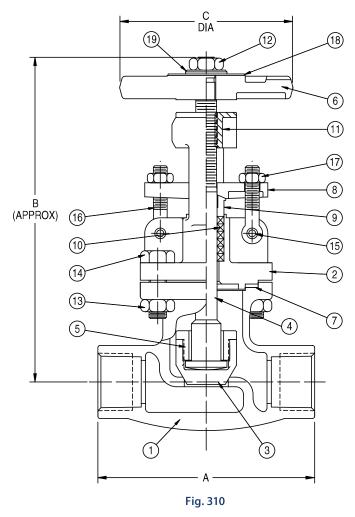
Globe Valve, Socket Weld Ends, Plug Type Disc

Size Range:

½ through 2 inches

Design Features:

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



Dimensions and Weights

	Weight	Dimensions (inches)				
Valve Size	(lbs)	A	B (open)	С	D*	
1/2	6.6	3.74	7.1	3.9	.38	
3/4	6.9	4.53	7.3	3.9	.50	
1	8.7	4.92	7.9	3.9	.50	
1 ½	12.6	5.52	9.2	5.5	.50	
2	17.3	6.50	10.2	6.3	.31	

^{*}For Figure 314 only - Socket weld depth

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

Pipe Threads	ASME B1.20.1
Wall Section	ASME B16.34
Socket Weld Ends	ASME B16.11
End-to-End	Manufacturer's Standard
Pressure–Temp Rating	ASME B16.34
Testing	API 598

1	Body	ASTM A351 CF3M
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 Bo l t Nut	ASTM A194 GR 8
14	Bonnet Bo l t	ASTM A193 GR B8
15	Eyebo l t Pin	ASTM A276 T304
16	Eyebolt	ASTM A193 GR B8
17	Eyebo l t Nut	ASTM A194 GR 8
18	ID Tag	304 SS
19	Washer	ASTM A276 T304



Dimensions Class 150 • OS&Y • Plug Type Disc

Figure 317

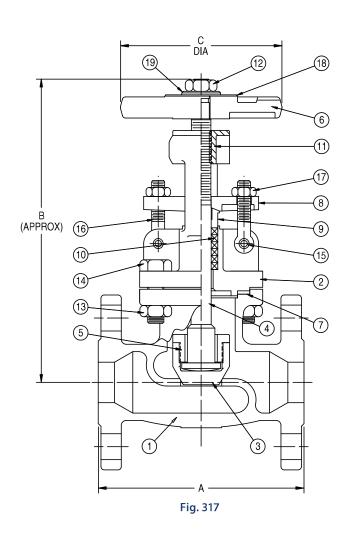
Globe Valve, Raised Face, Flanged Ends, Plug Type Disc

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



Dimensions and Weights

		Dimensions (inches)			
Valve Size	Weight (lbs)	А	B (open)	С	
1/2	7.6	4.25	7.1	3.9	
3/4	8.9	4.63	7.3	3.9	
1	11.6	5.00	7.9	3.9	
11/2	16.4	6.50	9.2	5.5	
2	25.2	8.00	10.2	6.3	
2 1/2	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

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	Eyebo l t Pin	ASTM A276 T304
16	Eyebolt	ASTM A193 GR B8
17	Eyebo l t Nut	ASTM A194 GR 8
18	ID Tag	304 SS
19	Washer	ASTM A276 T304



Dimensions Class 300 • OS&Y • Plug Type Disc

Figure 2310

Globe Valve, Threaded Ends, Plug Type Disc

Figure 2314

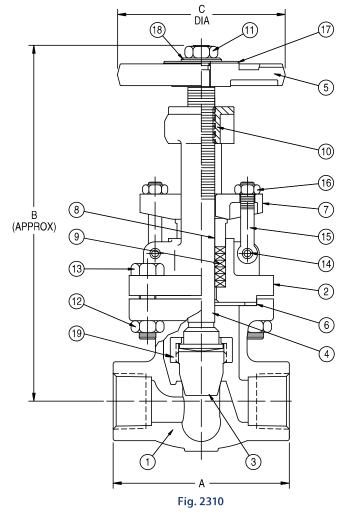
Globe Valve, Socket Weld Ends, Plug Type Disc

Size Range:

½ through 2 inches

Design Features:

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



Dimensions and Weights

	Weight	Dimensions (inches)			
Valve Size	(lbs)	A	B (open)	С	D*
1/2	7.0	3.23	7.8	3.9	.38
3/4	7.0	3.23	7.8	3.9	.50
1	10.3	4.13	9.0	5.5	.50
1 1/2	18.2	4.92	10.7	7.9	.50
2	22.6	5.91	11.3	7.9	.62

^{*}For Figure 2314 only - Socket weld depth

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

Pipe Threads	ASME B1.20.1
Wall Section	ASME B16.34
Face-to-Face	Manufacturer's Standard
Pressure-Temp. Ratings	ASME B16.34
Socket Weld Ends	ASME B16.11
Testing	API 598

1	Body	ASTM A351 CF3M
2	Bonnet	ASTM A351 CF8M
3	Disc	ASTM A351 CF8M
4	Stem	ASTM A276 T316
5	Handwheel	ASTM A536
6	Gasket	PTFE
7	Gland Flange	ASTM A351 CF8
8	Gland	ASTM A276 T316
9	Packing	PTFE
10	Stem Nut	ASTM A439, D2
11	Handwheel Nut	ASTM A193 GR 8
12	Bonnet Bolt Nut	ASTM A194 GR 8
13	Bonnet Bolt	ASTM A193 GR B8
14	Eyebolt Pin	ASTM A276 T304
15	Eyebolt	ASTM A193 GR B8
16	Eyebolt Nut	ASTM A194 GR 8
17	ID Tag	304 SS
18	Washer	304 SS
19	Stem Ring	ASTM A276 T316

Please refer to page 28 for Pressure-Temperature Ratings.



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

14 13 12 11 10 16 5 Tack Welding 19 16 5 Tack Welding 19 15 15

Fig. 2317

Dimensions and Weights

		Dimensions (inches)			
Valve Size	Weight (lbs)	L	H (open)	w	
1/2	8.5	6.00	7.8	3.9	
3/4	10.8	7.00	7.8	3.9	
1	16.3	8.00	9.0	5.5	
1½	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

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



Dimensions Class 600 • OS&Y • Plug Type Disc

Figure 4310

Globe Valve, Threaded Ends, Plug Type Disc

Figure 4314

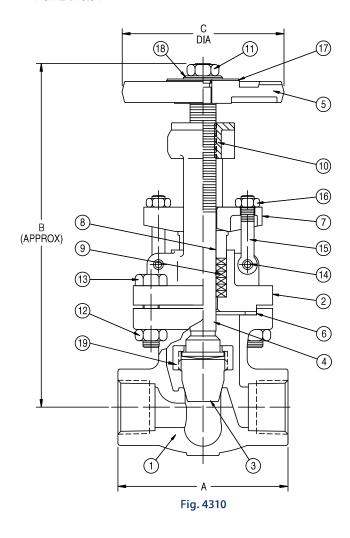
Globe Valve, Socket Weld Ends, Plug Type Disc

Size Range:

½ through 2 inches

Design Features:

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



Dimensions and Weights

	Weight	Dimensions (inches)			
Valve Size	(lbs)	Α	B (open)	С	D*
1/2	7.0	3.23	7.8	3.9	.38
3/4	7.0	3.23	7.8	3.9	.50
1	10.3	4.13	9.0	5.5	.50
1½	18.2	4.92	10.7	7.9	.50
2	22.6	5.91	11.3	7.9	.62

^{*}For Figure 4314 only - Socket weld depth

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

Pipe Threads	ASME B1.20.1
Wall Section	ASME B16.34
Face-to-Face	Manufacturer's Standard
Pressure-Temp. Ratings	ASME B16.34
Socket Weld Ends	ASME B16.11
Testing	API 598

1	Body	ASTM A351 CF3M
2	Bonnet	ASTM A351 CF8M
3	Disc	ASTM A351 CF8M
4	Stem	ASTM A276 T316
5	Handwheel	ASTM A536
6	Gasket	PTFE
7	Gland Flange	ASTM A351 CF8
8	Gland	ASTM A276 T316
9	Packing	PTFE
10	Stem Nut	ASTM A439, D2
11	Handwheel Nut	ASTM A193 GR 8
12	Bonnet Bolt Nut	ASTM A194 GR 8
13	Bonnet Bolt	ASTM A193 GR B8
14	Eyebolt Pin	ASTM A276 T304
15	Eyebolt	ASTM A193 GR B8
16	Eyebolt Nut	ASTM A194 GR 8
17	ID Tag	304 SS
18	Washer	304 SS
19	Stem Ring	ASTM A276 T316



Dimensions Class 600 • OS&Y • Plug Type Disc

Figure 4317

Globe Valve, Raised Face, Flanged Ends

Size Range:

2 through 6 inches

Design Features:

- Bolted Bonnet
- Ring Type Joint Bonnet Gasket
- Rising Stem, Rising Handwheel
- Integral Seat
- MSS SP-42
- ASME B16.34

Fig. 4317

Dimensions and Weights

		Dimensions (inches)		
Valve Size	Weight (lbs)	L	H (open)	W
2		11.50	11.3	11.0
2 1/2	119.1	13.00	17.0	11.8
3	138.9	14.00	18.8	13.8
4	264.6	17.00	20.9	17.7
6	480.7	22.00	26.6	19.7

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

1	Body	ASTM A351 CF8M
2	Disc	ASTM A351 CF8M
3	Disc Cap	ASTM A351 CF8M
4	Stem	ASTM A276 T316/304
5	Ring Type Joint Gasket	ASTM A276 T316/304
6	Bonnet	ASTM A351 CF8
7	Packing	PTFE
8	Gland	ASTM A276 T316/304
9	Gland Flange	ASTM A351 CF8M
10	Yoke Nut	ASTM A439, D2
11	Handwheel	ASTM A395 65 45 15
12	ID Tag	304 SS
13	Handwheel	ASTM A276 T304
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	Eyebolt	ASTM A193 GR B8
19	Nut	ASTM A194 GR 8