



Valves, Automation & Controls

Series 45316
300# FLANGED STAINLESS STEEL
GLOBE VALVE

Design Features

- Outside screw and yoke
- Bolted bonnet
- Welded Seat
- Yoke Integrated with Bonnet
- Loose Disc
- Rising stem and non-rising hand-wheel

Applicable Standards

- Steel valves ANSI B16.34
- Face to face ANSI B16.10
- End flanges ANSI B16.5
- Butt-weld ends ANSI B16.25
- Inspection and test API 598



USA 800-766-0076

Fax 323-890-4456

www.smithcooper.com

www.sharpevalves.com

Los Angeles, CA

Chicago, IL

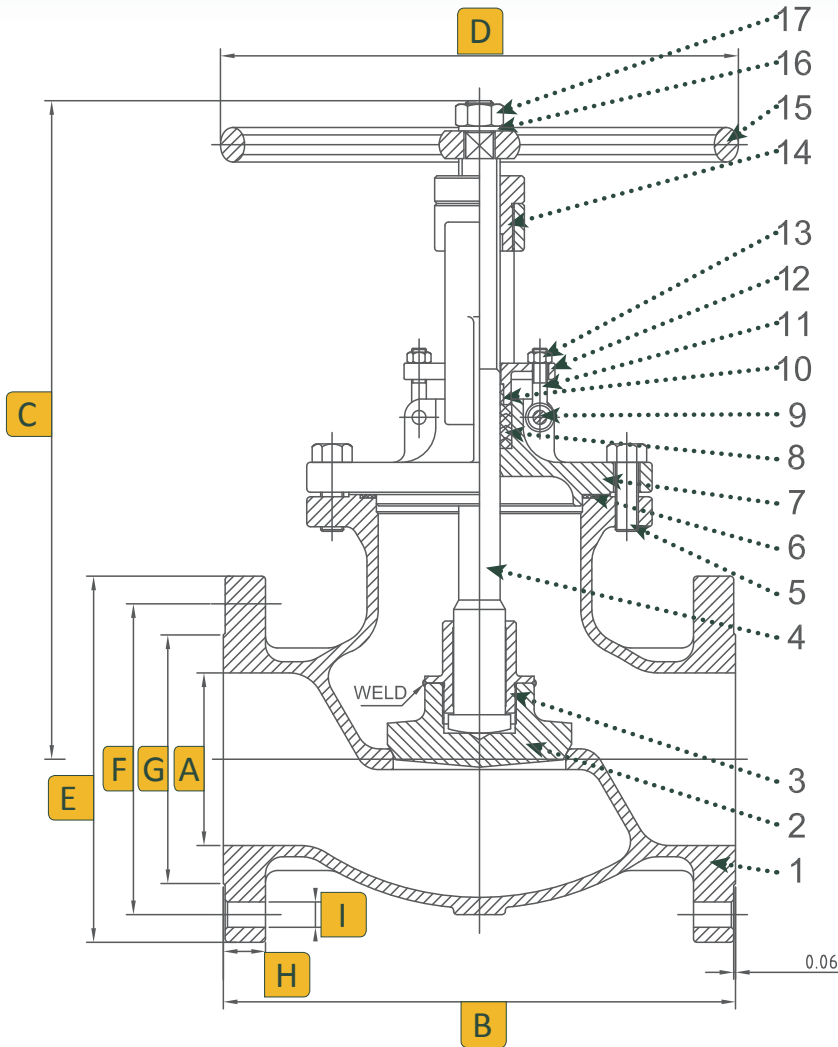
Atlanta, GA

Vancouver, WA

Houston, TX

300# FLANGED STAINLESS STEEL GLOBE VALVE

**1/2" - 6" Dimensions,
Parts & Materials**



No.	Part Name	Material
1	Body	316 Stainless Steel ASTM A351 CF8M
2	Disc	316 Stainless Steel ASTM A351 CF8M
3	Seat Ring	316 Stainless Steel ASTM A351 CF8M
4	Stem	316 Stainless Steel
5	Bonnet Bolt	304 Stainless Steel
6	Gasket	Grafoil + 304 Sheet
7	Bonnet	316 Stainless Steel
8	Gland Packing	PTFE (Graphite*)
9	Pin	304 Stainless Steel
10	Gland Sleeve	PTFE
11	Eye Bolt	304 Stainless Steel
12	Gland	316 Stainless Steel
13	Nut	304 Stainless Steel
14	Yoke Sleeve	Brass
15	Hand-wheel	Ductile Iron
16	Washer	304 Stainless Steel
17	Nut	304 Stainless Steel

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
1/2	0.59	5.98	9.06	5.51	3.74	2.62	1.38	0.56	0.62	4
3/4	0.79	7.00	9.06	5.51	4.62	3.25	1.69	0.62	0.75	4
1	0.98	7.99	9.06	5.51	4.88	3.50	2.01	0.69	0.75	4
1-1/2	1.57	9.02	12.91	9.84	6.12	4.51	2.88	0.81	0.875	4
2	1.97	10.51	14.88	9.84	6.50	5.00	3.62	0.88	0.75	8
2-1/2	2.56	11.49	16.18	11.81	7.50	5.88	4.12	1.00	0.875	8
3	3.15	12.52	16.77	11.81	8.25	6.62	5.00	1.12	0.875	8
4	3.94	14.02	20.47	11.81	10.00	7.88	6.19	1.25	0.875	8
6	5.91	17.48	26.26	17.72	12.50	10.62	8.50	1.44	0.875	12

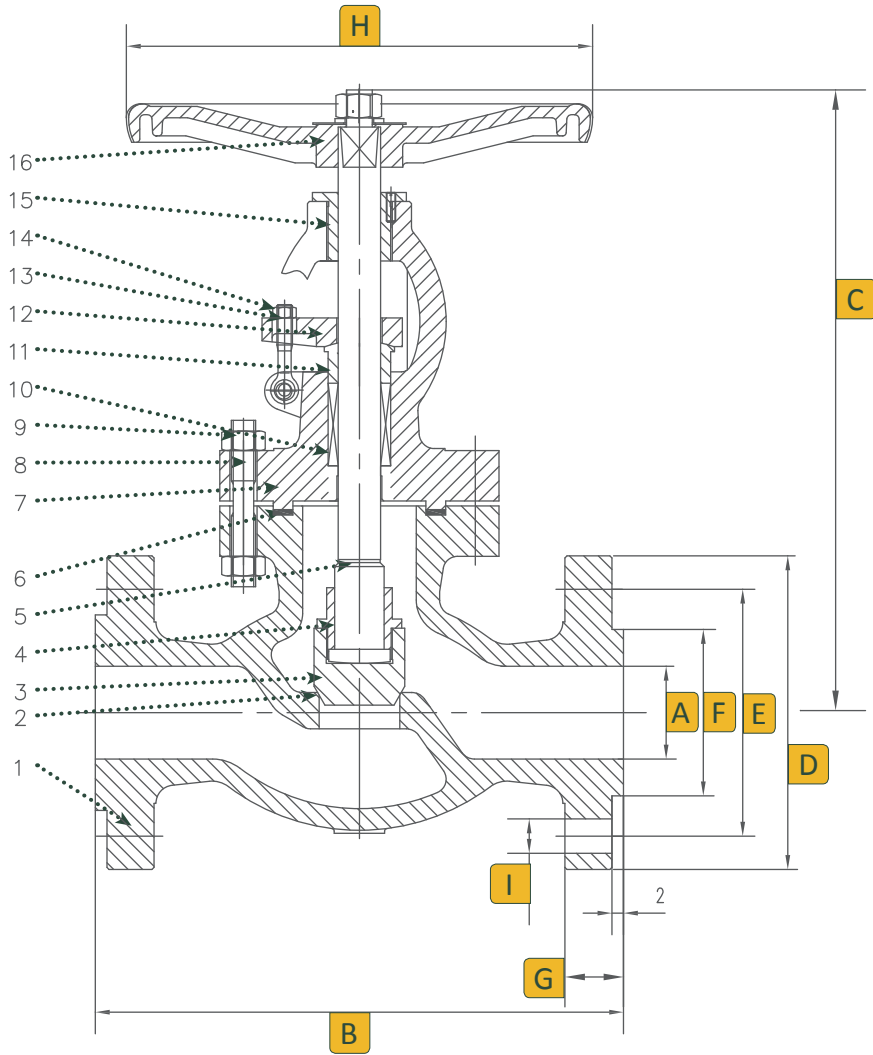


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300# FLANGED STAINLESS STEEL GLOBE VALVE

**8"- 16" Dimensions,
Parts & Materials**



No.	Part Name	Material
1	Body	316 Stainless Steel ASTM A351 CF8M
2	Seal Facing	316 Stainless Steel
3	Disc	316 Stainless Steel ASTM A351 CF8M
4	Disc Nut	316 Stainless Steel
5	Stem	316 Stainless Steel
6	Gasket	Grafoil + 304 Sheet
7	Bonnet	316 Stainless Steel
8	Bonnet Bolt	B8 Stainless Steel
9	Bonnet Nut	Grade 8 Nut
10	Stem Packing	Graphite
11	Gland	316 Stainless Steel
12	Gland Flange	316 Stainless Steel
13	Gland Eyebolt	B8 Stainless Steel
14	Gland Nut	Grade 8 Nut
15	Stem Nut	Steel
16	Hand Wheel	Ductile Iron

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
8	7.87	22.01	32.64	19.68	15.00	13.00	10.62	1.62	1.00	12
10	10.00	24.50	36.61	23.62	17.50	15.25	12.76	1.88	1.125	16
12	12.01	28.00	32.83	18.11	20.50	17.75	15.00	2.00	1.25	16
14	13.27	33.00	36.77	18.11	23.00	20.25	16.26	2.12	1.25	20
16	15.24	34.00	45.28	18.11	25.50	22.50	18.50	2.25	1.375	20



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300# FLANGED STAINLESS STEEL GLOBE VALVE

Technical Information

Temperature °F	Working Pressure psi
-20 to 100	720
200	620
300	560
400	515
500	480
600	450
650	440
700	435
750	425
800	420
850	420
900	415
950	385
1000	365

*Standard PTFE seals limited to 450°F, over 450°F use graphite.

How to Order

Size	Series	Class	Ends	Body Material	Options	
1/2	45	3	300 Flange	1 Flange	6 316 Stainless Steel	GO Gear Operator* G Graphite stem packing & Bonnet Seal*
3/4						
1						
1-1/2						
2*						
2-1/2*						
3*						
4*						
6*						
8*						
10*						
12*						
14*						
16*						
16*						
16*						

Example:

3 - 45 - 3 - - 1 - 6

*POA
= 3-45-3-1-6

Due to continuous development of our product range, we reserve the right to change the dimensions and information for this product as required.