



Valves, Automation & Controls

Series 45116
150# 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

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www.smithcooper.com

www.sharpevalves.com

Los Angeles, CA

Chicago, IL

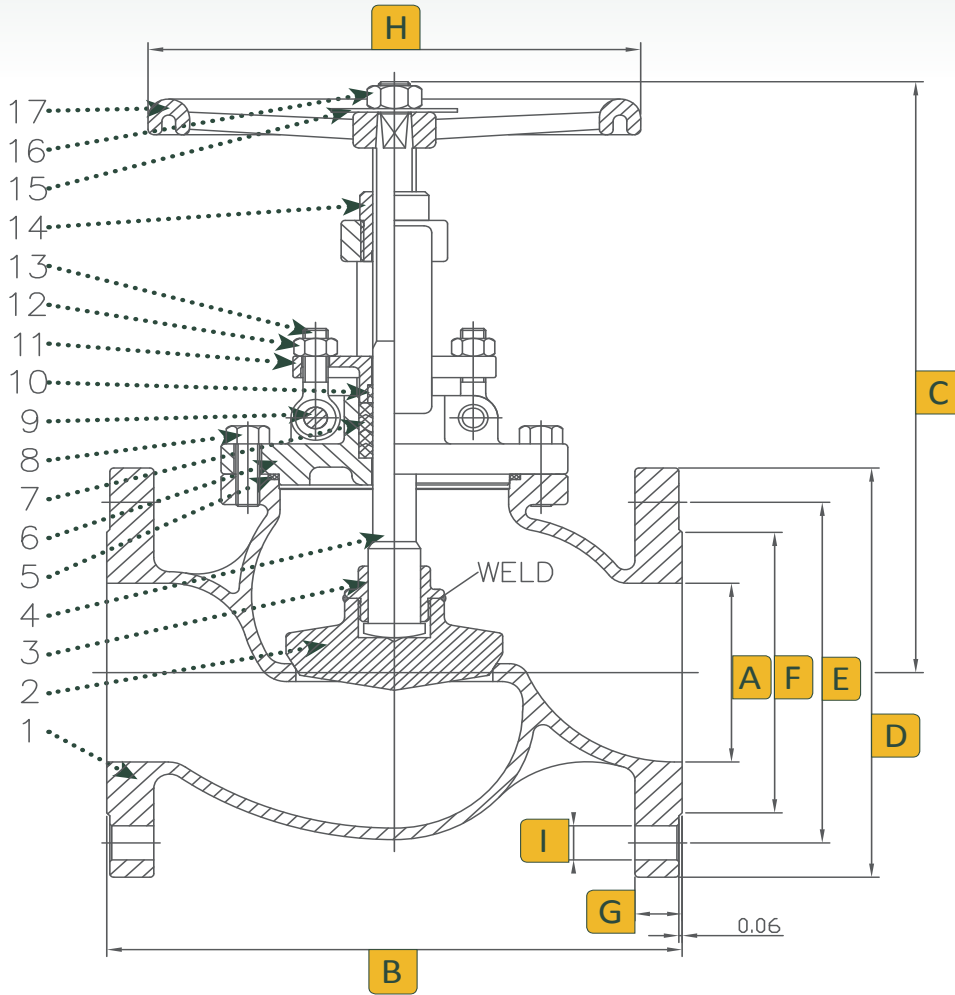
Atlanta, GA

Vancouver, WA

Houston, TX

Series 45116 150# FLANGED STAINLESS STEEL GLOBE VALVE

1/2"- 12" Dimensions, Parts & Materials



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

*Optional

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
1/2	0.59	4.25	7.32	3.50	2.38	1.38	0.43	5.51	0.625	4
3/4	0.79	4.61	7.32	3.88	2.75	1.69	0.43	5.51	0.625	4
1	0.98	5.00	8.35	4.25	3.12	2.00	0.43	5.51	0.625	4
1-1/2	1.57	6.50	9.69	5.00	3.88	2.88	0.56	6.29	0.625	4
2	1.97	7.99	9.92	6.00	4.75	3.62	0.62	7.87	0.75	4
2-1/2	2.56	8.50	12.12	7.00	5.50	4.12	0.69	7.87	0.75	4
3	3.15	9.49	12.87	7.50	6.00	5.00	0.75	9.84	0.75	4
4	3.94	11.50	15.12	9.00	7.50	6.19	0.94	9.84	0.75	8
6	5.91	15.98	21.53	11.00	9.50	8.50	1.00	13.78	0.875	8
8	7.87	19.49	26.34	13.50	11.75	10.62	1.12	13.78	0.875	8
10	9.84	24.49	32.44	16.00	14.25	12.75	1.19	19.69	1.00	12
12	12.00	27.50	31.30	19.00	17.00	15.00	1.25	18.11	1.00	12

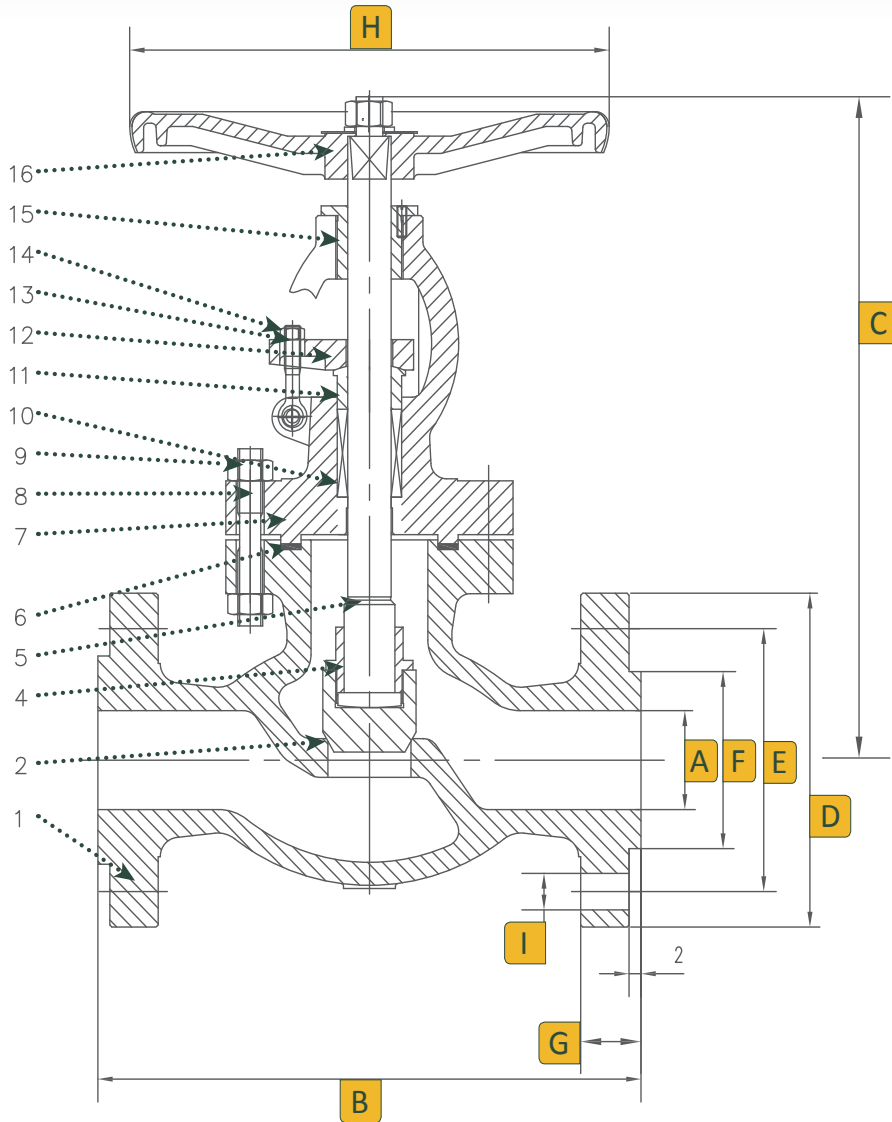


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Series 45116

150# FLANGED STAINLESS STEEL GLOBE VALVE

14"- 16" Dimensions,
Parts & Materials



No.	Part Name	Material
1	Body	316 Stainless Steel ASTM A351 CF8M
2	Disc	316 Stainless Steel ASTM A351 CF8M
4	Disc Cover	316 Stainless Steel
5	Stem	A182 F316
6	Gasket	RTFE (Grafoil + 316 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	Yoke Sleeve	Brass
16	Hand Wheel	Ductile Iron

*Optional

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
14	13.27	15.00	33.50	21.00	18.75	16.25	1.38	18.11	1.125	12
16	15.24	16.00	35.12	23.50	21.25	18.25	1.44	18.11	1.125	16



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150# FLANGED STAINLESS STEEL GLOBE VALVE

Technical Information

Temperature °F*	Working Pressure psi
-20 to 100	275
200	235
300	215
400	195
500	170
600	140
650	125
700	110
750	95
800	80
850	65
900	50
950	35
1000	20

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

How to Order

Size	Series	Class	Ends	Body Material	Options
2	45	1 150 Flange	1 Flange	6 316 Stainless Steel	60 Gear Operator*
2-1/2			2 Butt-weld*		6 Graphite stem packing & Bonnet Seal*
3					
4					
6					
8*					
10*					
12*					
14*					
16*					

*POA

Example: 3 - 45 - 1 - - 1 - 4 = 3-45-1-1-4

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