



Valves, Automation & Controls

Series 45114
150# FLANGED CAST 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

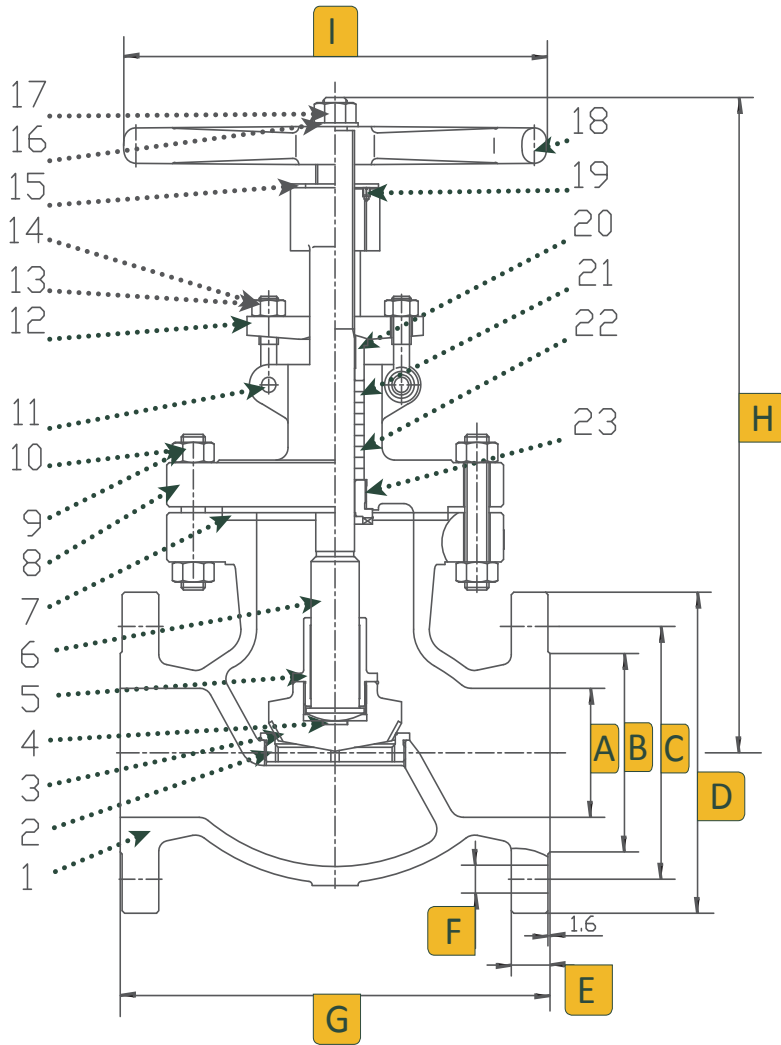
Applicable Standards

- 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
- NACE MR-0175



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2"- 6" Dimensions, Parts & Materials



No.	Part Name	Material
1	Body	Carbon Steel ASTM A216 - WCB
2	Seat	A105 & STL6
3	Disc	A105 & 410 Stainless Steel
4	Thrust Plate	410 Stainless Steel
5	Disc Cover	410 Stainless Steel
6	Stem	A182 F6a
7	Gasket	304 Stainless Steel & Flexible Graphite
8	Bonnet	Carbon Steel ASTM A216 - WCB
9	Stud	B7 Steel A193
10	Nut	2H Steel A194
11	Pin	Carbon Steel
12	Gland Flange	Carbon Steel
13	Eye Bolt	B7 Steel A193
14	Eye Nut	2H Steel A194
15	Stem Nut	D-2
16	Gasket	410 Stainless Steel
17	Nut	Carbon Steel
18	Hand-wheel	Ductile Iron
19	Screw	Carbon Steel
20	Gland	410 Stainless Steel
21	Packing	Flexible Graphite
22	Packing	Flexible Graphite
23	Back Seat	410 Stainless Steel

Dimensions (Inches)

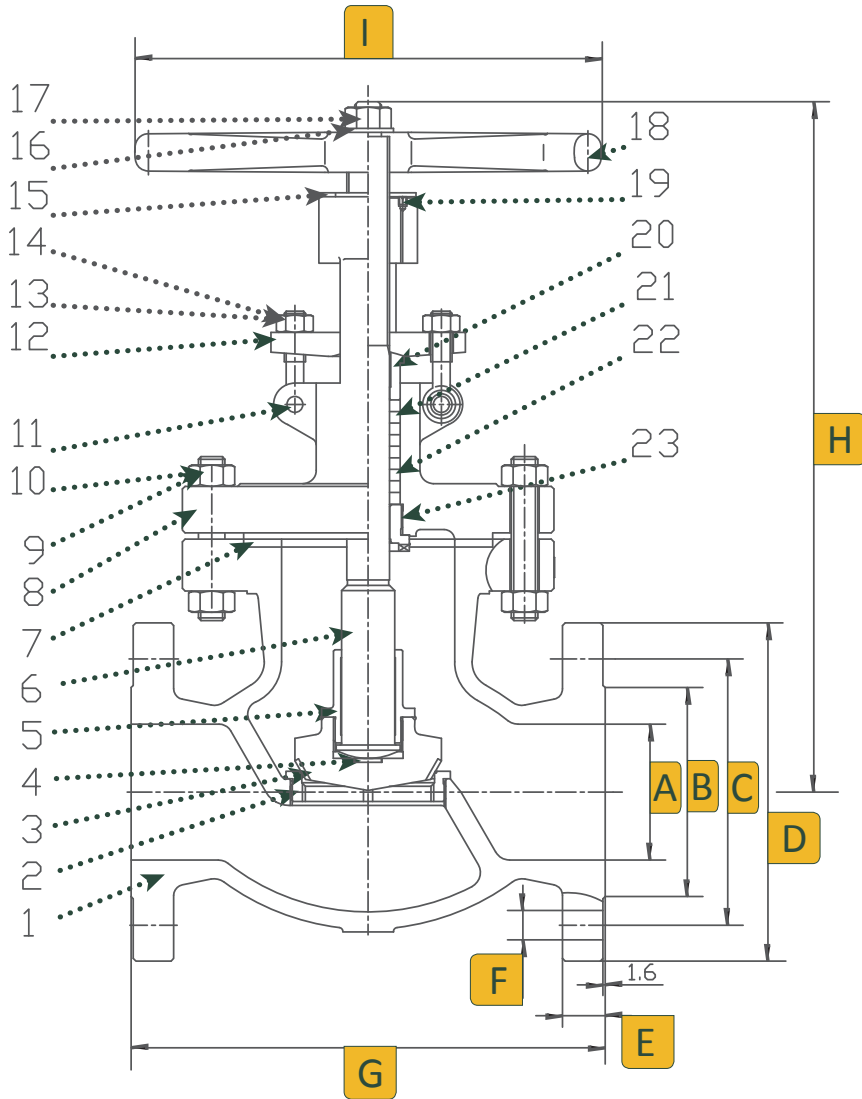
Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
2	2.01	3.62	4.76	6.00	0.75	0.75	8.00	13.43	7.87	4
2-1/2	2.52	4.13	5.51	7.00	0.88	0.75	8.50	14.45	9.84	4
3	2.99	5.00	6.00	7.50	0.94	0.75	9.50	14.76	9.84	4
4	4.02	6.18	7.50	9.00	0.94	0.75	11.50	19.02	11.81	8
6	5.98	8.50	9.50	11.00	1.00	0.875	16.00	20.35	13.78	8



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Series 45114 150# FLANGED CAST STEEL GLOBE VALVE

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



No.	Part Name	Material
1	Body	Carbon Steel ASTM A216 - WCB
2	Seat	A105 & STL.6
3	Disc	A105 & 410 Stainless Steel
4	Thrust Plate	410 Stainless Steel
5	Disc Cover	410 Stainless Steel
6	Stem	A182 F6a
7	Gasket	304 Stainless Steel & Flexible Graphite
8	Bonnet	Carbon Steel ASTM A216 - WCB
9	Stud	B7 Steel A193
10	Nut	2H Steel A194
11	Pin	Carbon Steel
12	Gland Flange	Carbon Steel
13	Eye Bolt	B7 Steel A193
14	Eye Nut	2H Steel A194
15	Stem Nut	D-2
16	Gasket	410 Stainless Steel
17	Nut	Carbon Steel
18	Hand-wheel	Ductile Iron
19	Screw	Carbon Steel
20	Gland	410 Stainless Steel
21	Packing	Flexible Graphite
22	Packing	Flexible Graphite
23	Back Seat	410 Stainless Steel

Dimensions (Inches)

Size	A	B	C	D	E	F	G	H	I	Num of Bolt Holes
8	8.00	10.62	11.75	13.50	1.12	0.875	19.50	23.23	15.75	8
10	10.00	12.75	14.25	16.00	1.18	1.00	24.50	29.70	17.72	12
12	12.00	15.00	17.00	19.00	1.25	1.00	27.50	37.10	22.05	12
14	13.27	16.25	18.75	21.00	1.37	1.125	31.00	37.40	22.05	12
16	15.21	18.50	21.25	23.50	1.44	1.125	36.00	38.00	25.20	16



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Technical Information

Temperature °F	Working Pressure psi
-20 to 100	285
200	260
300	230
400	200
500	170
600	140
650	125
700	110
750	95
800	80
850	65
900	50
950	35
1000	20

How to Order

Size	Series	Class		Ends		Body Material		Options	
2	45	1	150	1	Flange Butt-weld*	4	Carbon Steel		
2-1/2									
3									
4									
6									
8									
10									
12									
14*									
16*									

*POA

Example: 8 - 45 - 1 - - 1 - 4 = 8-45-1-1-4

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