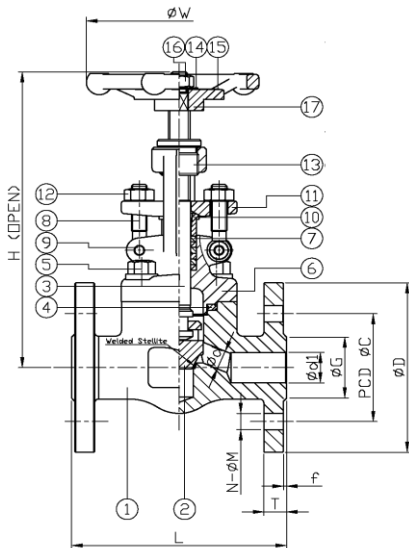




FORGED STEEL GLOBE VALVE

SM821CF/SM823CF



FEATURES

- Class 150
- Class 300
- Flanged Ends
- OS&Y
- Conventional Port
- NACE MR-0175

APPLICABLE STANDARDS

- Basic Design API 602 & ASME B16.34
- Flanged Ends ASME B16.5
- Face to Face Dimensions per ASME B16.10
- Test and Inspection to API 598

Materials of Construction

Item	Part	Material Spec
1	Body	ASTM A105N
2	Disc	ASTM A276-420
3	Stem	ASTM A276-410 + Stellite
4	Gasket	ASTM A276-410
5	Bolt	304 + Graphite
6	Bonnet	ASTM A193-B7
7	Packing	ASTM A105N
8	Eye Bolt	Graphite
9	Pin	ASTM A193-B7
10	Gland	ASTM A276-304
11	Gland Flange	ASTM A276-420
12	Nut	ASTM A105N
13	Stem Nut	ASTM A194-2H
14	Washer	ASTM A276-410
15	Nameplate	
16	Handwheel Nut	Aluminum
17	Handwheel	ASTM A108-1020

SM821CF - 150# Dimensions (Inches)

Size	d	d1	G	C	D	L	H	W	T	f	N	M	Torque (in-lbs)	Weight (lb)
1/2"	0.37	0.63	1.37	2.37	3.54	4.25	6.34	3.94	0.47	0.06	4	0.63	345.20	6.30
3/4"	0.49	0.73	1.69	2.75	3.94	4.61	6.34	3.94	0.53	0.06	4	0.63	345.20	8.00
1"	0.69	1.04	2.00	3.13	4.33	5.00	7.60	4.72	0.59	0.06	4	0.63	345.20	11.70
1-1/4"	0.93	1.38	2.50	3.50	4.53	5.51	9.06	6.30	0.65	0.06	4	0.63	575.30	17.60
1-1/2"	1.12	1.61	2.87	3.87	4.92	6.50	9.76	6.30	0.72	0.06	4	0.63	575.30	21.40
2"	1.44	2.07	3.63	4.75	5.91	7.99	11.42	8.66	0.78	0.06	4	0.75	575.30	34.00

SM823CF - 300# Dimensions (Inches)

Size	d	d1	G	C	D	L	H	W	T	f	N	M	Torque (in-lbs)	Weight (lb)
1/2"	0.37	0.63	1.37	2.63	3.74	5.98	6.34	3.94	0.59	0.06	4	0.63	345.20	8.30
3/4"	0.49	0.73	1.69	3.25	4.53	7.01	6.34	3.94	0.65	0.06	4	0.75	345.20	11.00
1"	0.69	1.04	2.00	3.50	4.92	7.99	7.60	4.72	0.72	0.06	4	0.75	345.20	15.80
1-1/4"	0.93	1.38	2.50	3.87	5.31	8.50	9.06	6.30	0.78	0.06	4	0.75	575.30	20.50
1-1/2"	1.12	1.61	2.87	4.50	6.10	9.02	9.76	6.30	0.85	0.06	4	0.89	575.30	29.30
2"	1.44	2.07	3.63	5.00	6.50	10.51	11.42	8.66	0.91	0.06	8	0.75	575.30	42.30

The information presented on this sheet is correct at the time of publication. Service Metal reserves the right to change design, and/or material specifications without notice.



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