

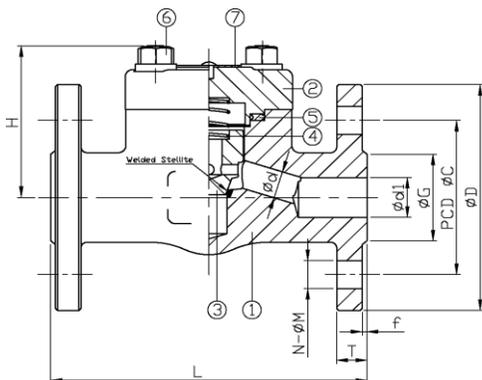


**FEATURES**

- Class 150
- Class 300
- Flanged Ends
- Bolted Cap
- Spring/Lift Type?
- 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 + Stellite
2	Bonnet	ASTM A105N
3	Disc	ASTM A276-420
4	Spring	SS 316
5	Gasket	304 + Graphite
6	Bolt	ASTM A193-B7
7	Nameplate	Aluminum

**SM831CF - 150# Dimensions (Inches)**

Size	d	d1	G	C	D	L	H	T	f	N	M	Weight (lb)
1/2"	0.37	0.63	1.37	2.37	3.54	4.25	2.20	0.47	0.06	4.00	0.63	5.30
3/4"	0.49	0.73	1.69	2.75	3.94	4.61	2.20	0.53	0.06	4.00	0.63	6.00
1"	0.69	1.04	2.00	3.13	4.33	5.00	2.95	0.59	0.06	4.00	0.63	9.10
1-1/4"	0.93	1.38	2.50	3.50	4.53	5.51	3.35	0.65	0.06	4.00	0.63	12.80
1-1/2"	1.12	1.61	2.87	3.87	4.92	6.50	3.82	0.72	0.06	4.00	0.63	17.60
2"	1.44	2.07	3.63	4.75	5.91	7.99	4.65	0.78	0.06	4.00	0.75	27.80

**SM833CF - 300# Dimensions (Inches)**

Size	d	d1	G	C	D	L	H	T	f	N	M	Weight (lb)
1/2"	0.37	0.63	1.37	2.63	3.74	5.98	2.20	0.59	0.06	4.00	0.63	7.90
3/4"	0.49	0.73	1.69	3.25	4.53	7.01	2.28	0.65	0.06	4.00	0.75	9.60
1"	0.69	1.04	2.00	3.50	4.92	7.99	2.95	0.72	0.06	4.00	0.75	13.90
1-1/4"	0.93	1.38	2.50	3.87	5.31	8.50	3.35	0.78	0.06	4.00	0.75	15.90
1-1/2"	1.12	1.61	2.87	4.50	6.10	9.02	3.82	0.85	0.06	4.00	0.89	24.70
2"	1.44	2.07	3.63	5.00	6.50	10.51	4.65	0.91	0.06	8.00	0.75	37.50

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.