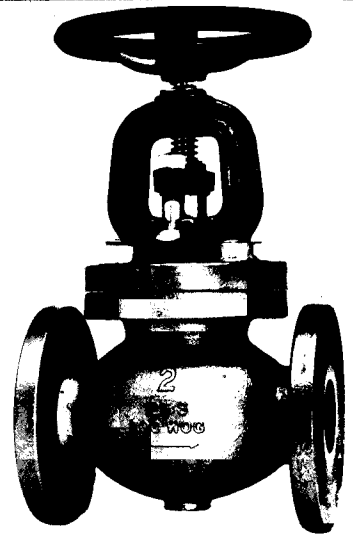


RED-WHITE



125-POUND CAST IRON GLOBE VALVES

Outside screw and yoke, rising stem,
bolted bonnet, flanged ends.
Bronze trimmed (Fig.No.400A).
Stainless steel trimmed (Fig.No.510)



Pressure-Temperature Ratings

Service Temperature		Sizes 2" to 12"	
°F	°C	Psig	Bar
-20 to 150	-29 to 66	200	13.7
200	93	190	13.1
225	107	180	12.4
250	121	175	12.0
275	135	170	11.7
300	149	165	11.3
325	163	155	10.6
353(5)	178	150	10.3
375	191	145	10.0
406(6)	208	140	9.6
425	218	130	8.9
450	232	125	8.6
Hydrostatic test pressure	Shell	350	24.1
	Seat	200	13.7

Materials Fig.No.400A Bronze trimmed valves

No.	Name of parts	ASTM Specifications	
1	Body	Cast iron	A126 Class B
2	Bonnet	Cast iron	A126 Class B
3	Disc	2-4	Cast bronze B62-C83600
		5-12	Cast iron A126 Class B
4	Handwheel	2-4	Ductile iron A536 Grade 65-45-12
		5-12	Cast iron A126 Class B
5	Body seat ring	Cast bronze	B62-C83600
6	Disc seat ring	5-12 Cast bronze	B62-C83600
7	Stem	Forged brass	B124-C37700
8	Lock nut	Cast bronze	B62-C83600
9	Lock washer	Brass plate	B36-C26000
10	Stem ring	Forged brass	B124-C37700
11	Gland	2-10	Brass B16-C36000
		12	Cast bronze B62-C83600
12	Gland flange	Ductile iron	A536 Grade 60-40-18
13	Yoke bush	Cast bronze	B62-C83600
14	Bonnet stud bolt	Steel *	A307 Grade B
15	Gland bolt	Steel *	A307 Grade B
16	Wheel nut	Steel *	A563 Grade A
17	Bonnet stud nut	Steel *	A563 Grade A
18	Gland bolt nut	Steel *	A563 Grade A
19	Washer	Steel *	A36
20	Knock pin	Steel	A36
21	Gland packing	Non-asbestos packings	
22	Gasket	Non-asbestos sheet	
23	Disc guide pin	Steel	A36
24	Spring pin	Stainless steel	AISI420
25	Name plate	Aluminum plate	B209-1100

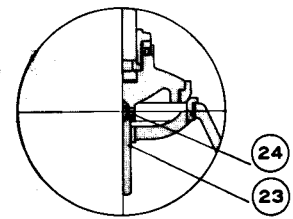
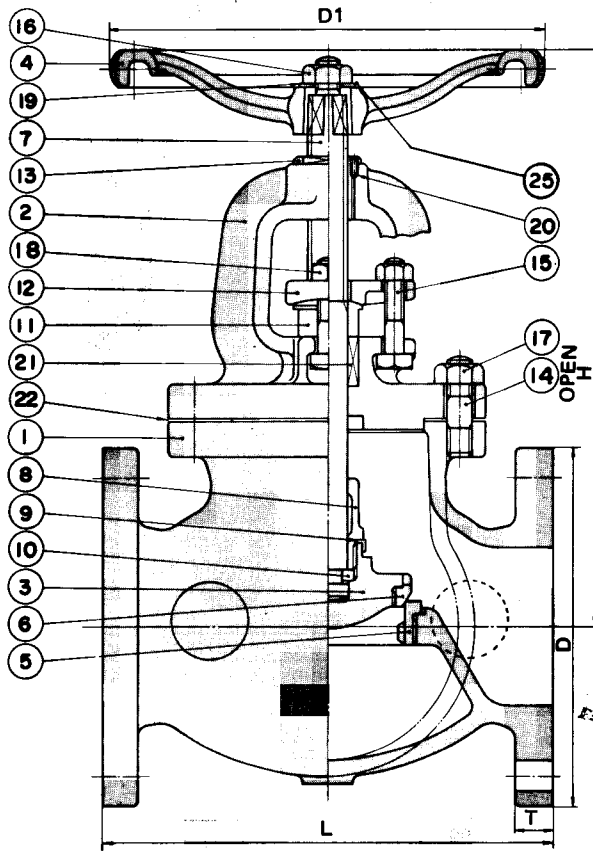
Fig. No. 510 Stainless steel trimmed valves

No.	Name of parts	ASTM Specifications	
3	Disc	2-4	Stainless steel A182 Gr. F6a
		5-12	Cast iron A126 class B
5	Body seat ring	Stainless steel	A182 Gr. F6a
6	Disc seat ring	5-12 Stainless steel	A182 Gr. F6a
7	Stem	Stainless steel	A182 Gr. F6a
8	Lock nut	Stainless steel	A276 Type 403
9	Lock washer	Stainless steel	A167 Type 304
10	Stem ring	Stainless steel	A276 Type 403
11	Gland	Stainless steel	A276 Type 403
23	Disc guide pin	Stainless steel	A276-403

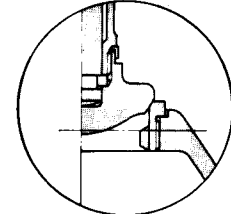
* Zinc plated

- Pressure-temperature ratings extracted from ANSI B16.1-1975 apply to cast iron flanged end valves designed for primary working pressures in class 125.
- Pressure ratings specified above are used for cast iron with metal-to-metal seating surfaces.
Pressure temperature ratings for cast iron valves with non-metallic seat materials must be limited to reflect the physical characteristics of these materials at each temperature and may be lower, but in no case higher than values shown in the above table.
- The temperature shown to a corresponding pressure rating shall be the metal temperature of pressure containing parts. It shall be assumed that the metal temperature will be the temperature of the contained fluid.
Application of a pressure rating at a metal temperature other than that of the contained fluid is strictly limited to the responsibility of the user.
- The pressure rating in serve shall be restricted to the minimum temperature of -20°F (-29°C) as shown above.
- 353°F (Max.) to reflect the temperature of saturated steam at 125 psig.
- 406°F (Max.) to reflect the temperature of saturated steam at 125 psig.

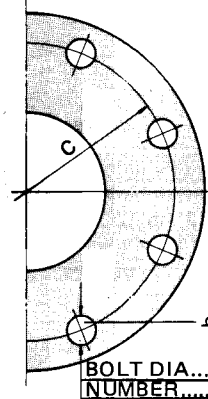
FIG. NO. 400A, 510



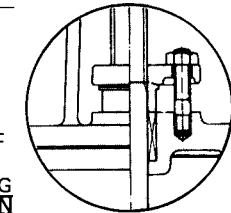
Disc construction for sizes 10" & 12"



Disc construction for sizes 2" to 4"



BOLT DIA...G
NUMBER...N



Stuffing box for sizes 10" & 12"

Marking on the body

6
125S
200WOG

RED-WHITE



One side

Other side

Note:

1. Face-to-face dimensions conform to ANSI B 16.10.
2. End flange dimensions and drilling conform to ANSI B16.1. End flanges are fully flat faced and smooth finished in accordance with MSS SP-6.
3. Drain boss is provided in all sizes and by-pass bosses are provided in sizes 4" to 12-inch valves at A, B, E & F positions in accordance with MSS SP-45.

Dimensions

size	Mark	L	H	D ₁	Flanges						Weight	
					D	C	T	N	h	G	lbs.	kgs.
2	In.	8	11.57	7.09	6.00	4.75	0.62	4	0.75	0.62	34	15.5
	mm	203	294	180	152	121	15.9		19.0	15.9		
2½	In.	8.5	12.44	7.09	7.00	5.50	0.69	4	0.75	0.62	43	19.7
	mm	216	316	180	178	140	17.5		19.0	15.9		
3	In.	9.5	13.94	9.06	7.50	6.00	0.75	4	0.75	0.62	59	26.8
	mm	241	354	230	191	152	19.0		19.0	15.9		
4	In.	11.5	15.98	11.02	9.00	7.50	0.94	8	0.75	0.62	60	43.5
	mm	292	406	280	229	191	23.8		19.0	15.9		
5	In.	13	18.03	11.81	10.00	8.50	0.94	8	0.88	0.75	139	63.0
	mm	330	485	300	254	216	23.8		22.2	19.0		
6	In.	14	20.91	14.17	11.00	9.50	1.00	8	0.88	0.75	193	87.5
	mm	356	531	360	279	241	25.4		22.2	19.0		
8	In.	19.5	24.96	15.75	13.50	11.75	1.12	8	0.88	0.75	350	154.0
	mm	495	634	400	343	299	28.6		22.2	19.0		
10	In.	24.5	26.42	15.75	16.00	14.25	1.19	12	1.00	0.88	445	202.0
	mm	622	671	400	406	362	30.2		25.4	22.2		
12	In.	27.5	29.80	17.72	19.00	17.00	1.25	12	1.00	0.88	598	270.5
	mm	698	757	450	483	432	31.8		25.4	22		

* Design and materials are subject to change without notice.