



Fig. GV-501 (Class 125)
Fig. GV-502 (Class 10K)
Fig. GV-503 (PN10)

125 S
200 W.O.G

PRESSURE - TEMPERATURE RATINGS

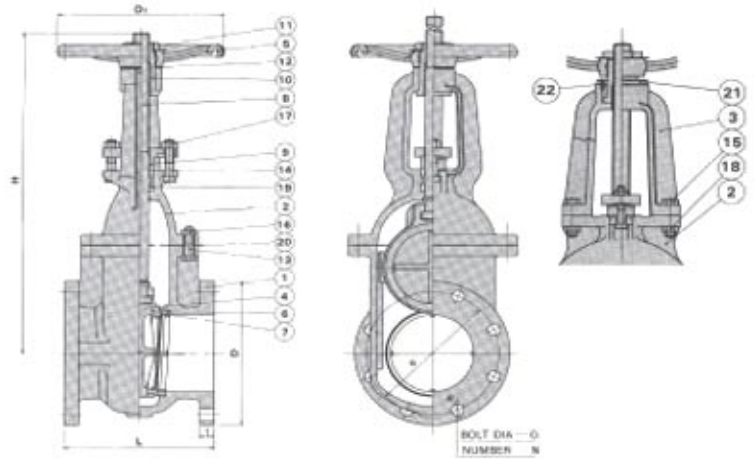
SERVICE TEMPERATURE		SIZE 2" to 12"	
°F	°C	Psi	Bar
-20 to 150	-29 to 66	200	13.7
200	93	190	13.1
225	107	180	12.4
250	121	175	12.0
275	135	170	11.7
300	149	165	11.3
325	163	155	10.6
353	178	150	10.3
375	191	145	10.0
406	208	140	9.6
425	218	130	8.9
450	232	125	8.6
HYDROSTATIC TEST	Shell	350	24.1
PRESSURE	Seat	220	15.2

1. Pressure temperature ratings extracted from ANSI B16.1 apply to cast iron flanged end valve designed for primary working pressure in class 125. Test pressure standard ISO 5208.
2. The pressure rating in service shall be restricted to the minimum temperature of -29°C as shown above.
3. Pressure ratings specified above are used for cast iron valves with metal to metal seating surfaces.
4. 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 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.

DIMENSIONS

SIZE (inch)	L	H	D1	D
2"	178	328	160	152
2.1/2"	190	382	170	178
3"	203	436	170	200
4"	229	532	225	220
5"	254	627	225	254
6"	267	726	250	285
8"	292	919	280	340
10"	330	1134	350	395
12"	356	1363	450	445

Outside screw and yoke Bolted bonnet, solid wedge disc



MATERIALS

NO.	NAME of PARTS	SPECIFICATION
1	Body	Cast Iron
2	Bonnet	Cast Iron
3	Yoke	Cast Iron
4	Disc	Cast Iron
5	Hand wheel	Cast Iron
6	Body seat ring	SUS304
7	Disc seat ring	SUS304
8	Stem	AISI304
9	Gland	Ductile Iron
10	Yoke sleeve	Cast bronze
11	Wheel nut	Steel
12	Washer	Brass plate
13	Body bolt	Steel
14	Gland Bolt	Steel
15	Yoke bonnet bolt	Steel
16	Bonnet Bolt nut	Steel
17	Gland Bonnet Bolt nut	Steel
18	Yoke bonnet bolt nut	Steel
19	Gland Packing	Non-asbestos packing
20	Gasket	Non-asbestos sheet
21	Sleeve nut	Cast Iron
22	Knock pin	Steel

NO. HOLE of FLANGE

N1 (ANSI150)	N2 (JISI10K)	N3 (PN10)
4	4	4
4	4	4
4	4	8
8	8	8
8	8	8
8	8	8
8	12	8
12	12	12
12	16	12



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