

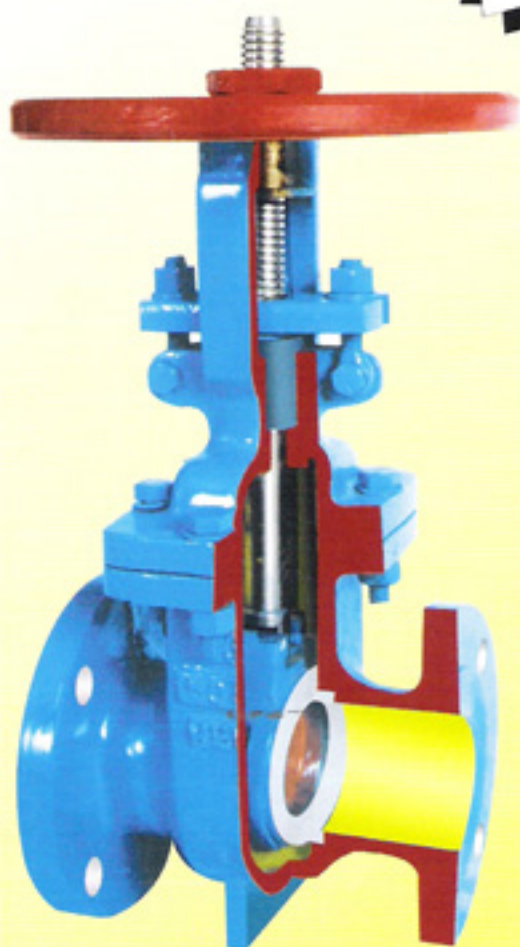
GATE VALVE



QUALITY
PROVEN
PERFORMANCE



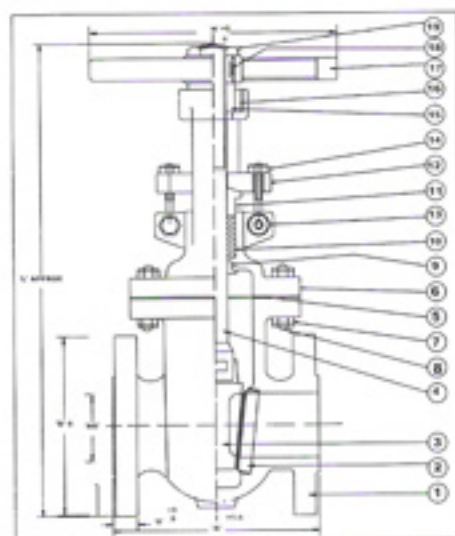
IBR
APPROVED



H.P. Valves Mfg. Co.

Ahmedabad, India

GATE VALVE



MATERIAL OF CONSTRUCTION

SR.NO.	PARTS	QTY	MATERIAL
1	BODY	1	ASTM A216 Gr. WCB / C.I.
2	SEAT RING	2	CARBON STEEL WCB WITH 13 % Cr, S.S. FACING
3	WEDGE	1	ASTM 216 Gr. WCB WITH 13 % Cr, S.S. FACING
4	SPINDLE	1	S.S. AISI 410
5	GASKET	1	COMPRESSED ASBESTOS FIBRE / S.S. 304 SPIRAL WOUND WITH CAF
6	BONNET	1	ASTM A 216 Gr. WCB / C.I.
7	BONNET STUD NUT	AS REQD.	ASTM A 194 Gr. 2H
8	BONNET STUD	AS REQD.	ASTM A 193 Gr. B7
9	BONNET BUSH	1	S.S. AISI 410 / BRONZE
10	GLAND PACKING	7	METALLIC WIRE REINFORCED GRAPHITED ASBESTOS
11	GLAND	1	S.S. AISI 410
12	GLAND FLANGE	1	CARBON STEEL
13	CROSS BOLT & NUT	2	CARBON STEEL
14	EYE BOLT & NUT	2	CARBON STEEL
15	YOKE SLEEVE	1	Ni-RESIST/S.G. IRON
16	YOKE BUSH	1	CARBON STEEL
17	HANDWHEEL	1	MALLEABLE IRON/CAST IRON
18	KEY	1	CARBON STEEL
19	HANDWHEEL NUT	1	CARBON STEEL

CLASS 150						CLASS 300					CLASS 600				
SIZE 'NB'	'A'	'D'	'T'	'H'	'L'	'A'	'D'	'T'	'H'	'L'	'A'	'D'	'T'	'H'	'L'
1 1/2" 740	165	127	14.3	152	330	190.5	156	21	152	390	241.5	156	28.6	203	380
2" 750	178	152.5	16	203	360	216	165	22	203	370	292	165	32	203	445
2 1/2" 765	190.5	178	17.5	203	415	241.5	190.5	25.4	203	440	330	190.5	35	254	475
3" 80	203	190.5	19	254	425	282.5	210	28	254	445	356	210	38	254	490
4" 100	229	229	24	254	510	305	254	32	254	520	432	273	44.5	305	615
5" 125	254	254	24	305	595	381	279.5	35	305	570	508	330.5	51	406	765
6" 150	267	279.5	25.4	305	685	403.5	317.5	36.5	356	740	559	356	54	457	840
8" 200	292	343	28.6	305	770	419	381	41.5	406	910	660.5	419	62	508	950
10" 250	330	406.5	30.5	408	940	457.5	444.5	48	458	1100	787.5	508	70	610	1290
12" 300	356	483	32	457	1030	502	521	51	508	1200	838.5	559	73	406	GOP
14" 350	381	533.5	35	457	1270	762	584.5	54	559	1415	889	603.5	76.5	508	GOP
16" 400	406.5	597	36.5	508	1450	838.5	648	57.5	610	1540	991	686	82.5	508	GOP
18" 450	432	635	40	508	1600	914.5	711.5	60.5	813	1670	1093	743	89	508	GOP
20" 500	457	698.5	43	610	1810	991	775	63.5	965	1910	1194	813	95.5	508	GOP
24" 600	508	813	48	610	2170	1143	914.5	70	508	GOP	-	-	-	-	-

GOP - Gear Operated

DESIGN FEATURES

- MANUFACTURING STANDARDS :
BS : 1414/API-600/API-6D/ANSI B 16.34
- FACE TO FACE AS PER ANSI B 16.10
- ENDS FLANGED & DRILLED AS PER ANSI B 16.5 R.F.
- TESTED AS PER BS : 5146/API 598
- AVAILABLE WITH ACTUATOR OPERATOR
- AVAILABLE WITH EXTENSION STEM

CLASS	TEST PRESSURE		
	HYDROSTATIC		PNEUMATIC TEST
	BODY	SEAT & BACK SEAT	
150	30 Kg/cm ²	22 Kg/cm ²	6 Kg/cm ²
300	76 Kg/cm ²	55 Kg/cm ²	6 Kg/cm ²
600	150 Kg/cm ²	110 Kg/cm ²	6 Kg/cm ²

Mfg. by
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