

GATE VALVE CLASS 600 CAST STEEL API 600 / ASME AB16.34

MATERIAL SPECIFICATIONS

NO.	Part Name	Material		
1.	Body	WCB	WC6	CF8/ CF8M
2.	Bonnet	WCB	WC6	CF8/ CF8M
3.	Yoke 1	WCB	WC6	CF8/ CF8M
4.	Wedge	13%Cr. Facing on WCB	13%Cr. Facing on WC6	CF8/ CF8M
5.	Seats Ring 2	CA15/13%Cr.+ Stellited	S.S 304+ Stellited	T304/T318,CF8/CF8M Stellited
6.	Back Seat	T410		Integral
7.	Spindle	T410		T304/ T31
8.	Gland Bush	T410		T304/ T31
9.	Gland Flange	Carbon Steel / WCB		S.S 304
10.	Yoke Seleeve	ASTM A 439 Gr.D2/ AL-Bronze		
11.	Yoke Nut	WCB	WCB/WC6	CF8/ CF8M
12.	Hand Wheel	Carbon Steel / M.I.		
13.	Hand Wheel Nut	Carbon Steel		S.S 304
14.	Stud & Nut	B7/ 2H	B16/7	B7/2H
15.	Eye Bolt & Nut	B7 /2H		B8/8
16.	Casing Stud & Nut	B7 /2H		B8/2H
17.	Cross Bolt & Nut	B7 /2H		B8/8
18.	Gasket	Spiral Wound S.S. 304/ S.S 316 With ASB/GRAF		
19.	Gland Packing	Graphite ASB. INHIB. & Inconel Wire REIN.		
20.	Grease Nipple	Brass /Steel		
21.	Name Plate	Aluminum		
22.	Bearing	Standard		

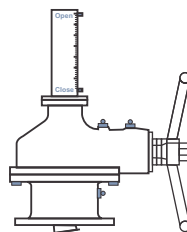
REF STANDARDS

MFG. AND DESIGN : API 600 / BS1414

FACE TO FACE : ANSI B 16.10

FLANGE DETAIL : ANSI B 16.5

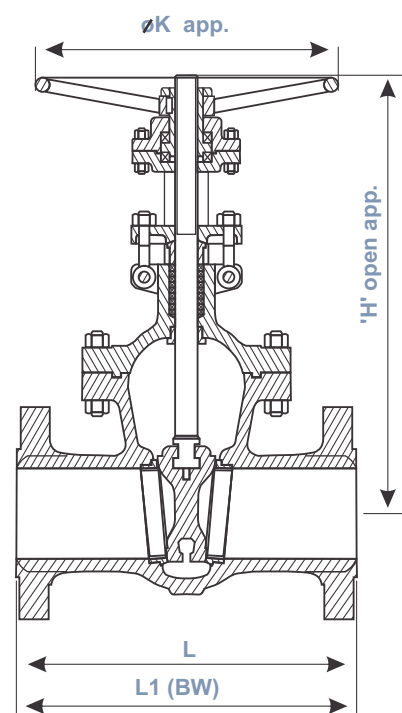
INSPECTION AND TESTING: API 598



GEAR OPERATION

DIMENSION CHART CLASS 600#

Valve Size in mm	2 50	2.5 65	3 80	4 100	5 125	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500
L	11.5 292	13.0 330	14.0 356	17.0 432	20.0 508	22.0 559	26.0 660	31.0 787	33.0 838	35.0 889	39.0 991	43.0 1092	47.0 1194
L 1	11.5 292	13.5 330	14.0 356	17.0 432	20.0 508	22.0 559	26.0 660	31.0 787	33.0 838	35.0 889	39.0 991	43.0 1092	47.0 1194
H app	410	485	560	705	800	895	1125	1400	1535	1825	1955	2140	2310
oK app	250	250	350	450	500	500	600	680	760	760	760	760	813
Wt. kg app (F/E)	38	56	72	136	170	245	432	780	835	1190	1690	2010	2400



TESTING DETAIL

Hydrotest {KG/CM²}

Shell	157
Seat and Back Seat	114
Seat Air Test :	7