

**FLOW-TEK VALVES  
& CONTROLS INC.**



AN ISO 9001 : 2008 CERTIFIED COMPANY

MANUFACTURER & EXPORTER OF

***Flow-age***

MAKE SPECIALISED INDUSTRIAL VALVES

**GATE VALVE**



**flow-age**

" All Types of Valve for whole Project"

**[www.flowagevalves.com](http://www.flowagevalves.com)**

# GATE VALVE

## GENERAL INTRODUCTION :

"Flow age" High Pressure Gate Valve offer high performance, reliability and safety. The Gate Valve are especially suitable for high pressure and high temperature application in steam, oil and gas processing, power industries, in chemical and petrochemical industries.

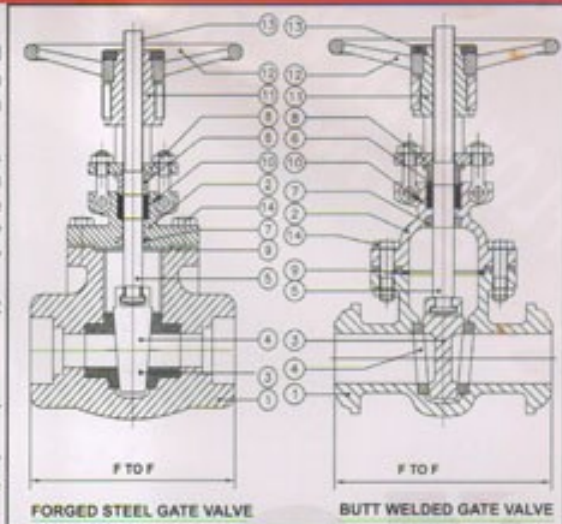
"Flow age" can offer a series of Gate Valve are heavy duty Outside Screwed & Yoke Type bolted bonnet, rising stem with non rising hand wheel. Straight through bore design assures minimum turbulence, erosion and resistance to flow. The most advance design features provides the ultimate in dependable, economic flow control they are available in wide range of sizes and weights. These are widely suited for high pressure and temperature and variety of fluids.

All the valves are manufacturing as per international Design and standards to get the Total Interchangeable, Finest Quality and Workmanship.

## SPECIAL FEATURES :

"Flow age" offer Gate Valve with Pneumatic / Electrically (Motorised) / Gear Operation with Limit Switches and suit specific requirements.

**Extended Bonnets** with sufficient gas column length, usually specified by customer, are supplied for all valves to keep stem packing at sufficient distance away from the cold fluid to remain functional.

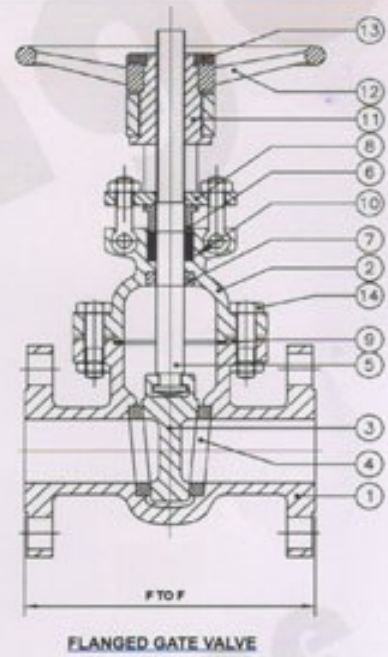


## NOMENCLATURE

S.NO.	PART NAME	DESCRIPTION OF MATERIAL
1	BODY	C.I. TO IS 210 FG 200 / 220 / 260 / ASTM A 216 GR. WCB /
2	BONNET	ASTM A 105/WC6ASTM A 351 GR. CF8 / ASTM A 182 GR.F-304 / AISI 304ASTM A 351 GR. CF8M / ASTM A 182 GR.F-316 (AISI 316)
3	WEDGE	ASTM A 216 GR. WCB +13% Cr. Welding Deposition, Hard Face/ 216+13%Cr./WC6+516/WC6 STELTED / ASTM A 351 GR. CF 8 IM / 3M
4	SEAT RING	
5	SPINDLE	AISI 410 (13% GR. STEEL) (AISI 304 / 316 /
6	GLAND BUSH	304 L / 316 L / A 276-410+ST-6
7	BACK SHEET BUSH	
8	GLAND FLANGE	C.S. / S.S. 304 / 316
9	GASKET	GRAPHITED ASBESTOS / P.T.F.E. / SS GRPH
10	GLAND PACKING	GRAPHITED ASBESTOS ROPE / GRAFOIL / P.T.F.E. V RING
11	BONNET NUT	CARBON STEEL / GUN METAL
12	HAND WHEEL	CAST IRON / S.G. IRON
13	HAND WHEEL NUT	CARBON STEEL
14	BOLTS & NUT	M.S. / ASTM A 193 GR. B7 / 194 GR. 2H / S.S. 304 / 316

## DIMENSION : (F TO F)

VALVE SIZE (MM)	FLANGED			SE./SW.
	150#	300#	600#	
15	-	-	-	73
20	-	-	-	82
25	-	-	-	90
32	-	-	-	127
40	-	-	-	148
50	178	218	292	-
65	191	241	330	-
80	203	283	356	-
100	229	305	432	-
150	267	403	559	-
200	292	419	660	-
250	330	457	767	-
300	356	502	838	-
350	381	562	889	-
400	406	638	991	-
450	432	714	1092	-
500	457	791	1194	-
600	508	1143	1397	-
650	559	1245	1448	-
700	610	1346	1549	-
750	610	1397	1651	-
800	711	1524	1778	-
900	711	1727	2083	-



## TESTING STANDARD : (API 598 / API 6D)

TEST TYPE	TEST PRESSURE					
	CLASS 150	CLASS 300	CLASS 600	CLASS 900	CLASS 1500	
HYDRO SHELL	Kg/Cm <sup>2</sup>	30	78	150	210	306
	Psig	425	1080	2130	2960	3625
HYDRO SEAT	Kg/Cm <sup>2</sup>	22	55	110	153	291
	Psig	310	780	1560	2170	4125
AIR TEST	Kg/Cm <sup>2</sup>	6.0				
	Psig	80			80 TO 100	

## APPLICABLE STANDARDS

- STEEL GATE VALVES : API 600 / API 6D
- STEEL GATE VALVES : BS 5155
- STEEL GATE VALVES : ANSI B 16.34
- FACE TO FACE : ANSI B 16.10
- END DRILLED : ANSI B 16.5
- BUTT WELD END : ANSI B 16.25
- INSPECTION AND TEST : API 598 / API 6D
- IBR APPROVED

## DESIGN DESCRIPTION:

- FULL PORT DESIGN
- OS & Y OUTSIDE SCREWED AND YOKE
- BB, BOLTED BONNET
- FLEXIBLE WEDGE FULLY GUIDED
- CHOICE OF SOLID

- RENEWABLE SEAT RINGS
- FORGED T-HEAD STEM
- RISING STEM AND NON-RISING HANDWHEEL
- FLANGED OR BUTT WELD ENDS
- AVAILABLE WITH BG OPERATOR

\* Please contact us for any type of customized automation in Gate valves for typical applications.

**OTHER MFG. RANGE:** Pressure Reducing Valve, Safety Relief Valve, Globe Valve, Ball Valve, Butterfly Valve, Plug Valve, Non Return Valve, Automatic Control Valve, Pneumatic Control Valve, Motorised Control Valve, Knife Edge Gate Valve, Diaphragm Valve, Flush Bottom Valve, Strainer, Filter, Pressure Reducing Valve, Gas Skid & All type of manual / actuator / cylinder operated valves with any type of automation.

\* Please note this a condensed catalogue for a complete version please contact Flow-Tek directly.



Unit : 1 **FLOW-TEK VALVES & CONTROLS**  
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