

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



AN ISO 9001 : 2008 CERTIFIED COMPANY

MANUFACTURER & EXPORTER OF

***Flow-age***

MAKE SPECIALISED INDUSTRIAL VALVES

PLUG VALVE



**Flow-age**

"All Types of Valve for whole Project"

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



# PLUG VALVE

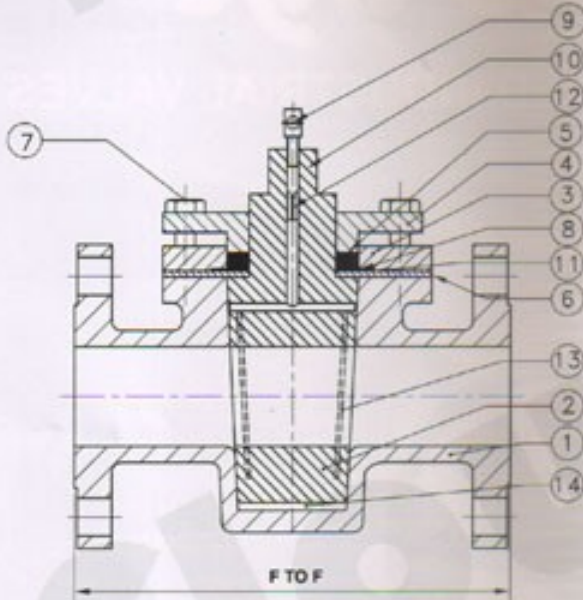
## GENERAL INTRODUCTION:

"Flow age" Taper plug Valve, manufactured in sizes from 1/2" To 12", is used on a wide variety of liquid gaseous, and slurry services. The tapered Plug is held firmly into its tapered seat but can be so adjusted that complete leak tightness is achieved together with smooth valve operation. The tapered seating surfaces of the plug and body are not exposed to the line fluid when the valve is in the open position, so that the effects of corrosion and erosion are confined to the less important parts of the valve, there is very little resistance to flow and pressure loss is minimized. All the valves are manufacturing as per international Design and standards to get the Total Interchangeable, Finest Quality and Workmanship.

## SPECIAL FEATURES:

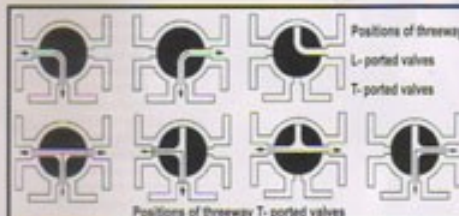
"Flow age" offer Plug Valve in Fire Safe Design, Jacketed Design, Trunion Mounted Design, Teflon Lined and Multi Port Designs with Pneumatic Actuator, Electrical Actuator and Pneumatic Cylinder operated along with extra accessories like Manual Gear, Solenoid and Limit Switches etc.

## NOMENCLATURE



NO.	PART NAME	DESCRIPTION OF MATERIAL
1	BODY	C.I. TO IS 210 FG 200 / 220 / 250 / W6/
2	PLUG	ASTM A 216 GR. WCB (ASTM A 105)
3	COVER	ASTM A 351 GR. CF8 / ASTM A 182 GR. F-304 / AISI 304
4	GLAND PLATE	ASTM A 351 GR. CF8M / ASTM A 182 GR. F-316 / AISI 316
5	GLAND PACKING	GRAPHITED ASBESTOS / GRAPHITE / P.T.F.E. / IMPREGNATED ASBESTOS GRAFOIL
6	GASKET	GRAPHITED ASBESTOS / CAF / P.T.F.E.
7	BOLTS & NUTS	ASTM A 193 GR. B7 / A 194 GR. 2HS S. 304/316
8	SHIM	S.S. 304/316
9	LUBRICANT SCREW	C.S. IS. S. 304/316
10	INDICATOR	---
11	PACKING RING	P.T.F.E. / GRAFOIL
12	CHECK VALVE	M.S.
13	SEALANT GROOVES	---
14	SEALANT CHAMBER	---

TEST TYPE	TEST PRESSURE	
	CLASS 150	CLASS 300
HYDRO SHELL	Kg/Cm	31      77
	Psig	450    1125
HYDRO SEAT	Kg/Cm	22      57
	Psig	320    825



## DIMENSION: (F TO F)

VALVE SIZE (MM)	150#	300#
50	178	216
65	191	241
80	203	283
100	229	305
150	267	403
200	292	419
250	330	457
300	356	502

ALL DIMENSION ARE IN MM.

## APPLICABLE STANDARDS:

- STEEL PLUG VALVES : API 599 / API 6D
- ANTI STATICS : API 599
- STEEL VALVES : ANSI B 16.34
- FACE TO FACE : ANSI B 16.10
- END DRILLED : ANSI B 16.5
- BUTT WELD ENDS : ANSI B 16.25
- INSPECTION AND TEST : API 598 / API 6D

## DESIGN DESCRIPTION:

- RUGGED HEAVY DUTY BODY
- BOLTED BONNET CAP
- PTFE SLEEVED, TAPPED PLUG
- LARGE PORT OPENINGS, NON-LUBRICATED
- STEM INTEGRAL WITH PLUG
- IN-LINE ADJUSTMENT, ANTI STATIC DEVICE
- STOPPER DEVICE, FLANGED OR BUTT WELDING
- ENDS, AVAILBALE WITH WG OPERATOR

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

**OTHER MFG. RANGE:** Pressure Reducing Valve, Safety Relief Valve, Globe Valve, Gate Valve, Butterfly 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 Station, 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.



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