



JACKETED DESIGN

We, "Flow-Tech" offers a Jacketed Plug Valve. Its available different type of Jacket like Half Jacket and Full Jacket. Jacketed valve mostly used in High Temperature line. In Jacketed valve flange used higher size.

Heating or Cooling jackets are required where the process temperature must be maintained throughout the valve in order to keep the process media fluid at a constant temperature. In particular, where there is potential for media to be trapped within a closed valve the heating jacket can be vital in maintaining the process temperature and preventing the trapped product from solidifying. This applies especially to media like liquid asphalt, Sulphur, bitumen resins, etc. In addition, the efficient flow of media is ensured through the elimination of pockets. For Jacket heating process used heating media like ThermoFluid, Steam, Hot Oil or Hot Water. After Jacket welded (Fabricated) on valve body, every valve tested after the fabrication. Jacket Air and Hydraulic Test is carried out at 6 Bar Pressure.



TECHNICAL DETAIL

DESIGN TYPE	LUBRICATED HALF JACKETED FULL JACKETED
MFG. STANDARD	API 599 / BS 5353
TESTING STANDARD	API 598 / API 6D / EN 12266-1
FACE TO FACE DIMENSIONS	ASME B 16.10
FLANGE STANDARD	ASME B16.5
SCREWED END STANDARD	ASME B1.20.1
PRESSURE & TEMPERATURE RATING	ASME B 16.34
PRESSURE CLASS	150#, 300#, PN10, PN16
VALVE SIZE	1/2" To 12" (15 mm TO 300 mm)
END CONNECTIONS	FLANGED SCREWED END (BSP / NPT) F
FLANGE DRILLING	150#, 300#, PN10, PN16, BS10TABLED / E / F / H
MATERIAL OF CONSTRUCTION	CITIOIS210GR.FG200 ASTM A 216GR.WCB ASTM A 217GR.WC6/WC9 / CA 15 ASTM A 351GR.CF8 / CF8M / CF3 / CF3M / CD4MCu ASTM A 352GR.LCB
OPERATIONS	HANDLEVER (WRENCH) / GEAR PNEUMATIC / ELECTRICAL ACTUATOR

FACE TO FACE DIMENSIONS (FLANGED)

INCH	MM	150#
1/2"	15	108.0
3/4"	20	118.0
1"	25	127.0
1 1/4"	32	140.0
1 1/2"	40	165.0
2.5"	65	190.0
3"	80	203.0
4"	100	229.0
5"	125	254.0
6"	150	267.0
8"	200	292.0
10"	250	330.0
12"	300	356.0

TEST PRESSURE

CLASS	BODY HYDRO TEST		SEAT HYDRO TEST	
	PSIG	KG/CM2	PSIG	KG/CM2
CI	313	22	228	16
CS/SS	450	32	315	22

*Pressure Testing Time Will be 15 Sec. *Test With Water only.

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