

Cast Iron

Regular Pattern - Standard Type

AUDCO Lubricated Taper Plug Valve has been successfully used in a variety of services because of its unique in-line maintenance capability. The Plug and Body seating surfaces, which are lapped and matched, are not exposed to the line fluid; this confines corrosion and erosion to less critical areas. Sealing is further enhanced by a specially developed plug sealant charged evenly around the seating surfaces. Plugs from 1 1/2" are impregnated with a PTFE based anti-friction agent - 'SUPER LoMu' which provides greater wear resistance and ensures low consistent operating torque. SUPER LoMu also enhances resistance to seizure.

OPERATION

Regular pattern Cast Iron Lubricated Taper Plug Valves are supplied with square stems suitable for wrench operation (MW series). Valves 4" and above can be offered with Light Duty Gear Units (MO series). Valves 6" and above can be offered with Heavy Duty Worm Gear Unit (MG series). Wrenches and Gear units should be selected as determined by the service conditions, which influence the operating torque. However wrenches should be ordered separately whereas gear units as ordered are installed on the valves and supplied. Valves can also be offered with Carbon Steel Plug (MWS/MOS/MGS series).

As a standard, Cast Iron Valves are supplied with AUDCO 731 Plug sealant which is suitable for most services other than acid solutions and petroleum products. On request, plug sealant from a wide range offered, can be supplied to suit the nature of service. It is recommended that you consult us before selecting the plug sealant for a new service.

END CONNECTIONS

Valves can be offered with screwed ends and flanged ends to the following standards.

Screwed : BSP Tr as per BS21 & NPT as per ANSI/ASME B1.20.1.

Flanged : To match flanges drilled to BS10 Table D, F and ANSI/ASME B16.1, Class 125.

Drilling to DIN 2532 PN10 or BS 10 Table E or BS 4504 PN 10 can be offered.

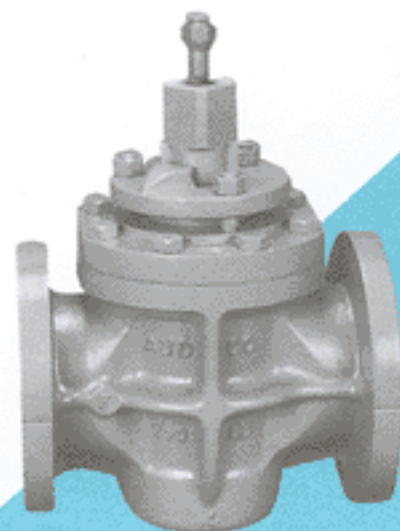
Valves can also be offered with undrilled flanges.

MATERIAL SPECIFICATION

Name of Part	Specification
Body Cover & Gland	Cast Iron IS 210 Gr. FG220
Plug	Cast Iron IS 210 Gr. FG 220 or Carbon steel ASTM A216 Gr. WCB
Bolting	Carbon Steel Studs : BS970 220 M07 Hex. Screw : ANSI B18.2.1 Hex. Nut : ANSI B18.2.2
Shim	Mild Steel, Nickel Plated
Gland Packing	Rubberised Asbestos
Gasket	Compressed Asbestos

CATALOGUE NUMBER

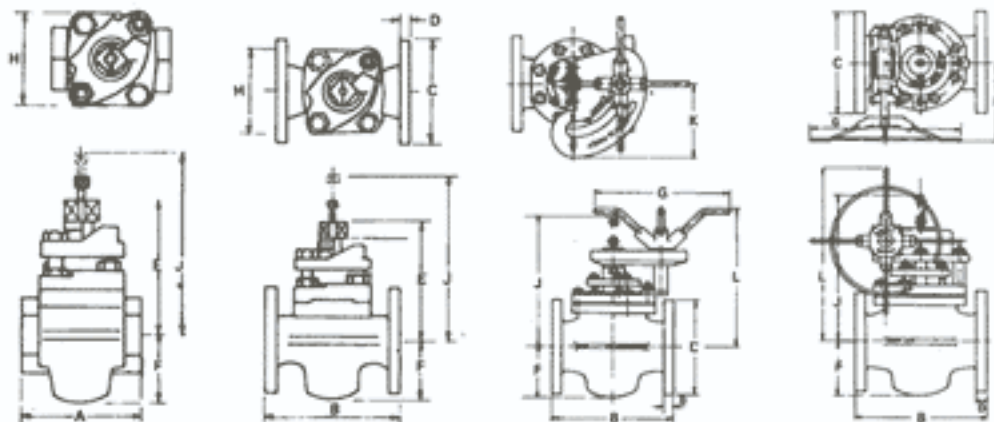
A familiarity with our Catalogue number is not necessary when specifying our Valves. Provide the following details of the valve to our Distributor/Stockist: Size, Type (Standard, Inverted), Line Fluid, Pattern, Materials of construction, Pressure rating, End connection and Type of Operation.



TECHNICAL DATA

Catalogue No.	End Connection	Max C.W.P.		Test Pressure (psig)	
		psig	bar	Body	Seat
MW12	Screwed BSP Tr	150	10	225	165
MW14	Screwed NPT	200	14	300	220
MW/MWS/MO/MOS/MG/MGS 11	Flanged BST 'D'	100	7	225	165
MW/MWS/MO/MOS/MG/MGS 11F	Flanged BST 'F'	150	10	225	165
MW/MWS/MO/MOS/MG/MGS 13	Flanged Class 125	200	14	300	220

Test pressure for body and seat including duration of test conforms to BS 6755 Part I.



DIMENSIONS (mm)

Size		1/2" DN 15	3/4" DN 20	1" DN 25	1.1/4" DN 32	1.1/2" DN 40	2" DN 50	2.1/2" DN 65	3" DN 80	4" DN 100	5" DN 125	6" DN 150	8" DN 200
End to End	Screwed A	88.9	95.3	111.3	127.0	133.4	152.4						
Face to Face	Flanged B	120.7	120.7	139.7	152.4	165.1	203.2	222.3	241.3	304.8	355.6	393.7	457.2
Flange diameter	BST 'D' C	95.3	101.6	120.7	120.7	133.4	152.4	165.1	184.2	215.9	254.0	279.4	336.6
	BST 'F'	95.3	101.6	120.7	133.4	139.7	165.1	184.2	203.2	228.6	279.4	304.8	368.3
	CL. 125	95.3	98.6	108.0	117.3	127.0	152.4	177.8	190.5	228.6	254.0	279.4	342.9
Flange thickness	BST 'D' D	12.7	12.7	12.7	15.7	15.7	19.1	19.1	19.1	22.4	23.8	25.4	28.4
	BST 'F'	12.7	12.7	12.7	15.7	15.7	19.1	19.1	19.1	23.9	25.4	25.4	28.4
	CL. 125	12.7	12.7	12.7	15.7	15.7	19.1	19.1	19.1	23.9	23.8	25.4	28.4
C/L to top of plug	E	114	114	121	121	155	173	202	227	248	295	327	402
C/L to bottom of body	F	46	46	49	49	65	76	102	108	137	164	186	232
H/W diameter	G										578	578	578
Max. width	H	102	102	85	85	104	127	138	149	219	260	289	349
Clearance	MW/MO J	154	168	175	175	213	249	273	308	354	416	449	524
	M G										495	495	573
C/L to Quadrant	MO K									229	229	229	229
C/L to H/W face	MG											308	308
C/L to top of H/W	MO L									384	432	457	516
	MG										619	619	686
Wrench No.		3H/2H*	3H	3H	3H	4H	5H	6H	7H	8H	10H	10H+	
Sealant stick size		A	A	A	A	B	C	C	D	D	E	E	E

* For 1/2" MW 12 the wrench will be 2H + Light duty unit is recommended for valve size 6"

As we continuously endeavour to improve our products, the data given herein are subject to change.

Manufactured by



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