

AUDCO Plug Valves

Multi Port

Cast Iron - Three way & Four way 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 1½" 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.

Multiport Lubricated Taper Plug Valves provide

- Reduction in number of valves & fittings which results in simplified pipe layout.
- Quick and easier operation with increased safety and reliability.
- Reduction in overall cost of installation & operation.

Multiport Plug Valves of three-way (MT Series) and four-way (MU Series) are ideally suited for flow diversion and tight shut-off against full rated pressure in the positive direction i.e. the line pressure holds the plug against the body port which is to be shut off from higher pressure (refer Fig. below).

OPERATION

Multiport Plug Valves are all supplied with square stems suitable for wrench operation. Wrenches, as required, should however be ordered separately.

All Four-way valves are provided with 90° rotational stops. As a standard, Three-way valves are offered without stops, but on specific request, can be fitted with stops for any combination of flow positions as shown in the Fig. below.

As a standard, Multiport Plug Valves are supplied with AUDCO 731 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 ends to the following standards.

Screwed : BSP Tr as per BS21.

Flanged : To match flanges drilled to BS 10 Table D, F and ANSI/ASME B16.1 Class 125.

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

Valves can also be offered with undrilled flanges.

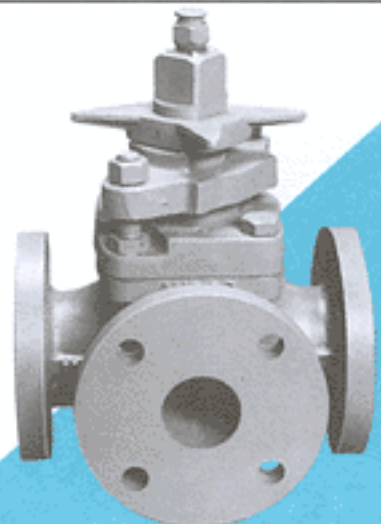
MATERIAL SPECIFICATION

Name of Part	Specification
Body Cover, Gland & Plug	Cast Iron IS 210 Gr. FG 220
Bolting Studs Hex.screw/ Hex. Nut	Carbon Steel BS : 970 220 M07 ANSI B18.2.1/ ANSI B18.2.2
Shim	Mild Steel, Nickel Plated
Gland Packing	Rubberised Asbestos
Gasket	Compressed Asbestos

Positions of Three-way Valve



Positions of Four-way Valve



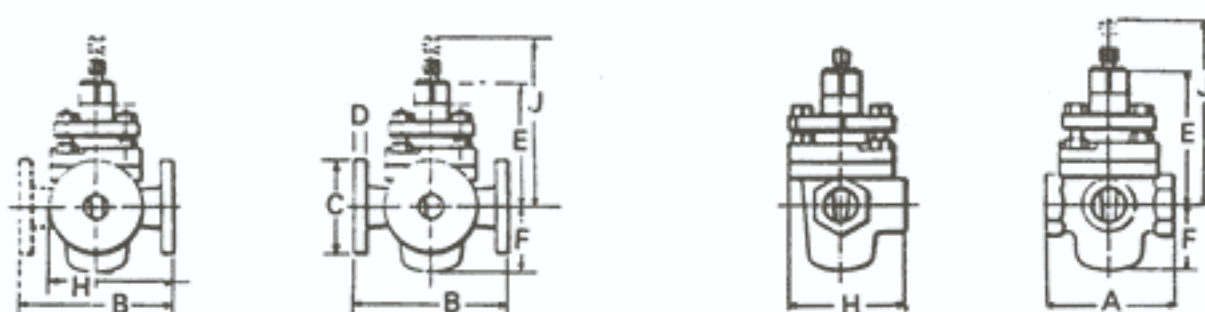
CATALOGUE NUMBER

A familiarity with our Catalogue number is not necessary when specifying our Valves. Provide the following details of the valves to our Distribution/Stockist:-Size, Type, Line Fluid, Materials of construction, Pressure Rating, End Connection & Type of Operation

TECHNICAL DATA

Catalogue No.	End Connection	Max C.W.P		Test Pressure (psig)	
		psig	bar	Body	Seat
MT12	Screwed BSP, Tr	150	10	225	165
MT11/MU11	Flanged BST 'D'	100	7	225	165
MT11F/MU11F	Flanged BST 'F'	150	10	225	165
MT13/MU13	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" DN25	1.1/4" DN32	1.1/2" DN40	2" DN50	3" DN80	4" DN100
End to End	Screwed	A		153.9	174.8	196.9		
Face to Face	Flanged	B	165.1		222.3	241.3	304.8	355.6
Flange diameter	BST 'D'	C	120.7		133.4	152.4	184.2	215.9
	BST 'F'		120.7		139.7	165.1	203.2	228.6
	CL.125		108.0		127.0	152.4	190.5	228.6
Flange thickness	BST 'D'	D	12.7		15.7	19.1	19.1	22.4
	BST 'F'		12.7		15.7	19.1	19.1	23.9
	CL.125		12.7		15.7	19.1	19.1	23.9
C/L to top of plug		E	154	176	189	214	257	279
C/L to bottom of body		F	59	65	76	92	137	148
Max. width (MT series)	Screwed	H		130	152	168		
	Flanged		129		175	191	262	308
Clearance		J	211	230	265	291	348	402
Wrench No.			4H	4H	5H	6H	8H	10H
Sealant Stick Size			B	B	C	C	D	E

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

Manufactured by



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Marketed by



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