

AUDCO Plug Valves

Carbon Steel

Class 150 - Short 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 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

Short Pattern Carbon Steel Lubricated Taper Plug Valves upto 8" are all supplied with square stems suitable for wrench operation (LW Series). Wrenches, as required, should however be ordered separately. Valves 6" to 10" can be offered with Light Duty Gear Units (LO Series). Valves 6" and above can also be offered with Heavy Duty Worm Gear Unit (LG Series). Wrenches and Gear Units should be selected as determined by the service conditions, which influence the operating torque. Gear Units as ordered are installed on the valves and supplied.

Valves can also be offered with Carbon Steel Plug (LS/LOS/LGS Series)

As a standard, Carbon Steel Plug Valves are supplied with AUDCO 733 Plug sealant which is suitable for most hydrocarbon services. 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 flanged ends to the following standards.

Flanged: To match flanges drilled to ANSI/ASME B16.5 Class 150 RF, spirally serrated.

Drilling to DIN 2543 PN 16 or BS 4504 PN 16 can be offered.

Sizes 6" and above have some holes (refer table) tapped on each flange to facilitate fastening of the mating flanges and require studs of same diameter of the bolts which they replace. The tapping is to UNC threads for ANSI Class 150 flanges and ISO metric coarse for PN 16 flanges.

MATERIAL SPECIFICATION

Name of Part	Specification	
	LW/LO/LG-23	LS/LOS/LGS-23
Body	Carbon Steel ASTM A216 Gr.WCB	
Cover & Gland	Carbon Steel - ASTM A216 Gr. WCB/IS: 2062	
Plug	Cast Iron IS 210 Gr. FG 220	Carbon steel ASTM A216 Gr. WCB
Bolting Studs Hex. Screw/ Hex. Nut	Carbon Steel BS: 970 220 N07 ANSI B18.2.1/ ANSI B18.2.2	Alloy Steel ASTM A193 Gr. B7 & ASTM A194 Gr.2H
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:

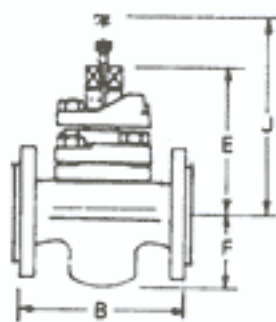
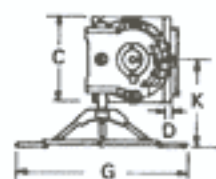
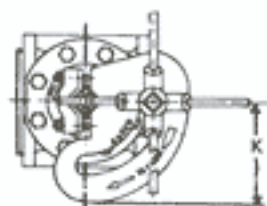
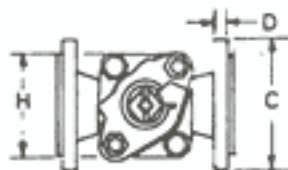
- Size
- Type (Standard, Inverted)
- Line Fluid
- Pattern (Regular, Venturi, Short)
- Materials of construction (Body, Plug)
- Pressure Rating
- End Connection & Type of Operation



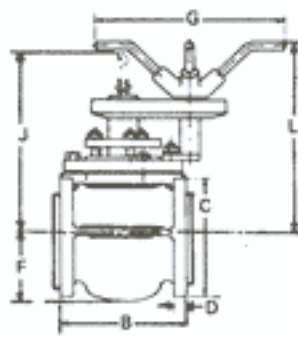
TECHNICAL DATA

Catalogue No.	End Connection	Max C.W.P.		Test Pressure (psig)	
		psig	bar	Body	Seat
LW23/LS23/LO23/LOS23/LG23/LGS23	Flanged Class 150 RF	285	20	450	315

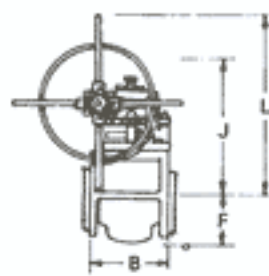
Test pressure for body and seat including duration of test conforms to BS 6755 Part I



Sizes 2" - 8"
Wrench operation



Sizes 6" - 10"
Light duty gear unit operation



Sizes 6" - 12"
Worm gear unit operation

DIMENSIONS (mm)

Size		2" DN 50	3" DN 80	4" DN 100	6" DN 150	8" DN 200	10" DN 250	12" DN 300	
Face to Face	B	177.8	203.2	228.6	266.7	292.1	330.2	355.6	
Tapped Hole details per flange		-	-	-	2 x 3/4" 22 mm deep	4 x 3/4" 27 mm deep	4 x 7/8" 30 mm deep	8 x 7/8" 32 mm deep	
Flange diameter - Class 150	C	152.4	190.5	228.6	279.4	342.9	406.4	482.6	
Flange thickness	D	15.7	19.1	23.8	25.4	28.4	30.2	31.8	
C/L to top of plug	E	152	208	230	292	327	364	-	
C/L to bottom of body	F	71	102	114	160	186	216	289	
H/W diameter	G	-	-	-	578	578	578	578	
Max. width	H	108	144	149	279	343	381	-	
Clearance	LW/LO LG	J	226 -	297 -	324 -	414 460	449 486	483 536	- 597
C/L to Quadrant face	LO	K	-	-	229	229	229	-	
C/L to H/W face	LG	K	-	-	308	308	308	338	
C/L to top of H/W	LO LG	L	- -	- -	432 597	457 613	508 676	- 718	
Wrench No.		4H	6H	7H	10H+	10H+	-	-	
Sealant stick size		B	C	D	E	E	E	E	

+ Light duty gear unit is recommended for Valves sizes 6" & 8". 1.6 mm raised face height is included in face to face dimensions and flange thickness

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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