

BEIJING JOINT FLOW SYSTEM CO.



SERIES 6

MULTI-PORT PLUG VALVE

The Multi-Port Plug Valve is a 3-way, non-lubricated diverter valve, which features an internally epoxy coated body and an elastomer coated plug face and designed for use in water and wastewater applications , and HVAC systems.

Use of Multi-port Plug Valves is advantageous in many installations, providing simplification of piping and convenience in operation. One 3-way multiport valve may be used in place of two or three straightway valves, and in most cases will also eliminate other fittings such as tees and elbows.



FEATURE

- Internally epoxy coated
- Elastomer faced plug
- Wrench, Gear or actuator operation is available
- Variety of flange drillings available
- Valves are furnished with replaceable sleeve type bearings which are of sintered, oil impregnated austenitic stainless steel
- Valve shaft seals are 'U' cup, self adjusting and replaceable without removing the bonnet from the valve.
- The valve bonnet seal is an 'O' ring allowing metal to metal body/ bonnet contact.

CONSTRUCTION

(Body) The eccentric plug valve body casting is in cast iron using high pressure molding techniques for consistent quality and precision. Flange diameter and thickness conform to ANSI B 16.1 Class 125. Flange drillings of PN10, PN16, ANSI **(Plug)** Supported on integral trunnions, the solid ductile iron tapered plug is faced with any of a variety of elastomers that are vulcanized in place and ground to size. Plug position and shut off is controlled by use of adjustment gland attached to the plug shaft

{Seat} The multiport valve employs a corrosion and abrasion resistant epoxy seat on all sizes

(Stem Seal) Multiple self-adjusting "U" cup seals are used to prevent stem leakage and provide years of trouble free service

{Bearings} The plug rotates in oil impregnated sintered 316 grade stainless steel bearings located in both the body and bonnet

(Bonnet Seal) Superior "O" ring seal with metal-metal contact means lower stresses compared to traditional compression gaskets

(Flow) The wide port design with streamlined internal contours allows for a high capacity flow in the full open position reducing turbulence and pressure drop through the valve

{Position Indication} Active port indication is standard on all wrench operated and gear operated multiport valves

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PORT ARRANGEMENT

When ordering the multi-port plug valves, specify the nominal size, nominal pressure and number of port arrangements.

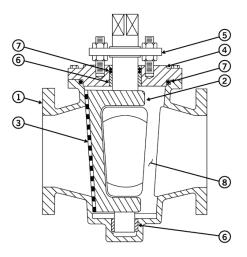
3-way.3-port 90' turn Tove Position 1 Position 1 Position 2 Position 2 3-way.3-port 180' turn Tove Position 2 Position 1 Position 2 Position 2 3-way.3-port 180' turn Tove Position 2 Position 1 Position 2 Position 2 3-way.3-port 180' turn Tove Position 3 Position 1 Position 1 Position 2 3-way.3-port 180' turn Tove Position 4 Position 1 Position 1 Position 2 Position 1 Position 2 Position 1 Position 2 Position 3 Position 1 Position 2 Position 3 Position 3 Position 3 Position 1 Position 2 Position 3 Position 3 Position 3 Position 1 Position 2 Position 3 Position 3 Position 3 Position 1 Position 2 Position 3 Position 3 Position 3 Position 1 Position 2 Position 3 Position 3 Position 3 Position 1 Position 2 Position 3 Position 3 Position 3 Position 1 Position 2 Position 3 Position 4 Position 3 Position 1 Position 2 Position 3							
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Arrangement 12 Arrangement 15		Position 1 Position 2 Position 3 Position 4	Position 1 Position 2 Position 3 Position 4				
		Arrangement 12	Arrangement 15				

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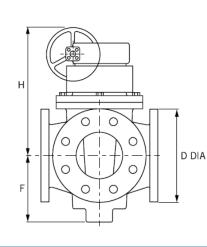
PARTS LIST & MATERIAL

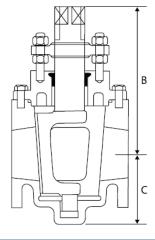
No.	Parts Name	Material			
1	Body	Cast Iron (ASTM A126 GR.B)			
2	Plug Ductile Iron (ASTM A536)				
3	Plug Coating	Elastomeric (NBR, NEOPRENE, EPDM)			
4	Bonnet	Cast Iron (ASTM A126 GR.B)			
5	Gland	Ductile Iron (ASTM A536)			
6	Bearing	ng Stainless Steel (ANSI 316)			
7	Seal	Elastomeric (NBR, NEOPRENE, EPDM)			
8	Seat	Ероху			

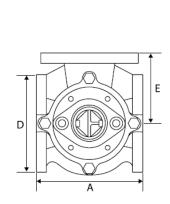


JFS

DIMENSION (175PSI)







DN (mm)	NPS (inch)	Α	B	c	D	E	н	Weight	
								W.O.	G.O.
80	3	203.2	231.9	120.7	190.5	139.7	348.3	29.5	49.9
100	4	251.0	346.2	152.4	228.6	165.1	485.9	54.5	90.8
150	6	295.4	384.3	179.3	279.4	203.2	517.7	77.2	113.5
200	8	352.6	485.9	279.4	342.9	228.6	622.3	147.6	183.9
250	10	425.5	485.9	279.4	406.4	279.4	622.3	172.6	208.8
300	12	482.6	539.8	327.2	482.6	293.6	673.1	215.7	252.0

*Flange dimensions refer to Catalogue of Accessory: Series 8 - Flange.

*More dimension specifications are available on request.