

STAINLESS STEEL SOLENOID VALVES

Dependable • Packless



TYPE "WR" FULL PORT - NORMALLY OPEN 1/2" TO 3" PIPE SIZE

NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN

OPERATION:

Valve closes when energized and opens when de-energized. When the coil is energized the plunger presses the poppet, closing the pilot orifice, and opens a bleed passageway to permit pressure to build above the piston and seat it. Upon de-energizing the coil, the pilot orifice is opened, relieving the pressure above the piston allowing it to leave its seat. The bottom spring allows the valve to operate at zero pressure drop.

CONSTRUCTION:

(*Wetted parts - No Copper Bearing Alloys in contact with fluid)

*Valve Body - 304 Stainless Steel Globe Pattern - NPT ends

(For Flanged Ends see Options page 26)

*Piston - 303 Stainless Steel

Coil Enclosure - Malleable or Cast Iron, 1/2" NPS conduit conn.

*Plunger - 430 Stainless Steel

*Poppet - 303 Stainless Steel

*Stem - 303 Stainless Steel

*Bonnet Tube - 304 Stainless Steel

*Spring - Inconel

*Body Seal - Non Asbestos Gasket

*Orifice Seal - Glass Filled Teflon

*AC Shading Coil - Silver

*Stem Pin - 304 Stainless Steel

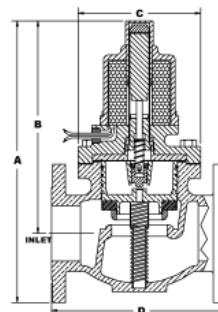
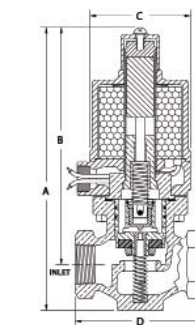
Coil - Encapsulated Class H, 18" leads

MAX. FLUID TEMP.

400° F

MAX. STATIC PRESSURE

200 PSI



APPLICATION:

To control the flow of STEAM. Steam must be free of sediment. Valve operates from zero to maximum differential pressure indicated in table. Valve must be mounted in horizontal pipe with solenoid enclosure vertical and on top.

**FOR OPTIONS & ACCESSORIES
SEE PAGES 26 & 27**

Strainers are recommended for use with solenoid valves (See page 19)

When you order please supply the following:

- Pipe Size
- Valve Type
- Voltage (AC or DC)
- Hertz
- Fluid
- Fluid Temperature
- Max. Diff. Pressure
- Optional Features

(See pages 26 & 27)

Pipe Size Inches	Max. Diff. PSI	Type No.	Watts AC	Amps Hold 120-60	Amps Inrush 120-60	Watts DC	Ship Wt. Lbs.	Dimensions In Inches								
								A	B	C	D	D (Flanged) 150#				
1/2	90	14WR22	25	0.5	1.5	18	7	8-1/8	7	2-7/8	3-1/4	6				
	140	114WR42	40	0.8	2.4	28		9-1/8	8	3-1/2						
	180	129WR42	65	1.5	4.2	33		10	9-1/4	8-1/8			3-1/2			
3/4	50	14WR23	25	0.5	1.6	18	8	8-1/4	7-1/8	2-7/8	3-1/2	6				
	110	114WR43	40	0.8	2.6	28		9-1/4	8-1/8	3-1/2						
	180	129WR43	65	1.5	4.3	33		12	9-1/4	8-1/8			3-1/2			
1	25	16WR14	25	0.5	1.8	18	10	9-1/8	7-3/4	3-1/4	4-1/8	6-1/2				
	50	116WR24	40	0.8	2.9	28		10	9-1/8	7-3/4			3-1/4			
	90	116WR44														
	180	131WR44	65	1.5	4.5	33		14	10	8-5/8			3-1/2			
1-1/2	25	35WR16	45	1.0	3.8	23	18	11-3/8	9-1/2	4	4-7/8	6-1/2				
	50	35WR26														
	90	135WR46											65	1.5	5.7	33
	180	141WR46											85	3.5	9.7	45
2	25	36WR17	45	1.0	4.2	23	27	12-3/8	10-1/8	5-3/8	6	8				
	50	36WR27														
	115	42WR47											60	1.7	7.3	35
3	180	142WR47	85	3.5	11.0	45	32	12-5/8	10-3/8							
	25	44WR19F1	60	1.7	8.8	35	69	14-3/8	11-1/8	6-5/8	N/A	9-1/2				
	50	44WR29F1														
	100	44WR49F1														
150	144WR49F1	85											3.5	13.0	45	

Shipping Weights above apply to Threaded Ends Only (except 3" which are Flanged Only)
For Flanged Ends contact factory for complete weight and dimensions
3" STAINLESS STEEL VALVES ARE SUPPLIED WITH FLANGED ENDS ONLY

MAGNATROL VALVE CORPORATION