Magnatrol VALVE CORP.

BRONZE SOLENOID VALVES

Dependable • Packless

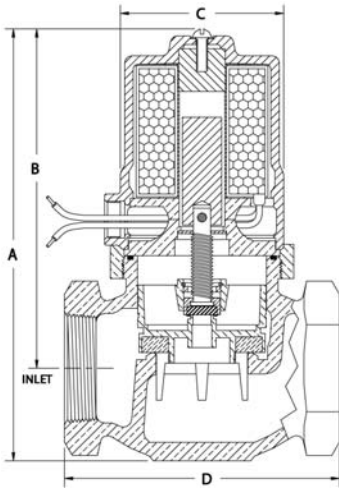
MAX. FLUID TEMP.
212° F
MAX. STATIC PRESSURE
150 PSI

TYPE "G" FULL PORT - NORMALLY CLOSED
1" TO 3" PIPE SIZE

NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN

OPERATION:
Valve opens when energized and closes when de-energized. When the coil is energized the pilot valve opens, relieving the pressure above the piston, which is then lifted from its seat by the plunger. Upon de-energizing the coil, a spring closes the pilot valve and opens a bleed passageway to permit pressure to build above the piston and seat it.

CONSTRUCTION: (* Wetted parts)
*Valve Body - Cast Bronze, Globe Pattern - NPT ends
*Piston - Bronze
Coil Enclosure - Malleable or Cast Iron, 1/2" NPS conduit conn.
*Plunger - 430 Stainless Steel
*Pilot Valve Stem - 303 Stainless Steel
*Pilot Valve Disc Holder - Brass
*Pilot Valve Seal - Buna N (Viton available)
*Bonnet Tube - 304 Stainless Steel
*Spring - 302 Stainless Steel
*Body Seal - Buna N or Non Asbestos Gasket
*Orifice Seal - Buna N (Viton or Glass Filled Teflon available)
*AC Shading Coil - Copper
*Stem Pin - Inconel
Coil - Encapsulated Class B, 18" leads - (Class H available)



APPLICATION:
To control the flow of Water, Air, Gas, Solvents, Vacuum and any other fluids not reactive with construction materials and free of sediment. Buna N seating of the pilot and main orifices make the valves ideal for TIGHT SEATING, LOW PRESSURE and LOW FLOW conditions. 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 24 & 25

Strainers are recommended for use with solenoid valves

(See page 19)

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
1	20	† 18G24	25	0.4	1.4	18	9	7-1/2	6-1/8	2-3/4	4-1/8
	30	118G24	40	0.6	2.3	28	9	7-1/2	6-1/8	2-3/4	4-1/8
	50	133G24	65	1.2	4.0	33	13	8-1/2	7-1/8	3-1/2	4-1/8
1-1/4	20	† 18G25	25	0.4	1.5	18	10	8	6-3/8	2-7/8	4-3/8
	30	118G25	40	0.6	2.4	28	10	8	6-3/8	2-7/8	4-3/8
	50	133G25	65	1.2	4.1	33	14	8-7/8	7-3/8	3-1/2	4-3/8
1-1/2	15	† 18G26	25	0.4	1.7	18	12	8-1/8	6-1/2	3-1/8	4-3/4
	25	118G26	40	0.6	2.5	28	12	8-1/8	6-1/2	3-1/8	4-3/4
	35	133G26	65	1.2	4.2	33	16	9-1/8	7-1/2	3-1/2	4-3/4
2	18	33G27	45	0.8	3.4	23	20	9-7/8	7-7/8	3-3/4	5-3/4
	30	133G27	65	1.2	4.2	33	20	9-7/8	7-7/8	3-3/4	5-3/4
	50	233G27	80	1.8	9.0	40	20	9-7/8	7-7/8	3-3/4	5-3/4
2-1/2	13	37G28	40	0.8	3.6	23	33	11-1/8	8-5/8	5-7/8	7-1/8
	25	43G28	60	1.2	7.8	35	38	12-1/8	9-5/8	5-7/8	7-1/8
	35	143G28	85	2.0	12.0	45	38	12-1/8	9-5/8	5-7/8	7-1/8
3	25	44G29	60	1.2	8.6	35	46	13	10	6-5/8	8
	35	144G29	85	2.0	13.0	45	46	13	10	6-5/8	8

† UL Listed Valves - Consult Factory

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 24 & 25)

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