



BRONZE SOLENOID VALVES

Dependable • Packless

TYPE "M" - NORMALLY CLOSED 3/8" TO 3/4" PIPE SIZE

NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN

DIRECT ACTING - ORIFICE SIZES 1/8" TO 1/2"

OPERATION:

Valve opens when energized and closes when de-energized. In this direct acting valve, when the coil is energized, the stem is lifted from its conical seat by the plunger.

CONSTRUCTION: (* Wetted parts)

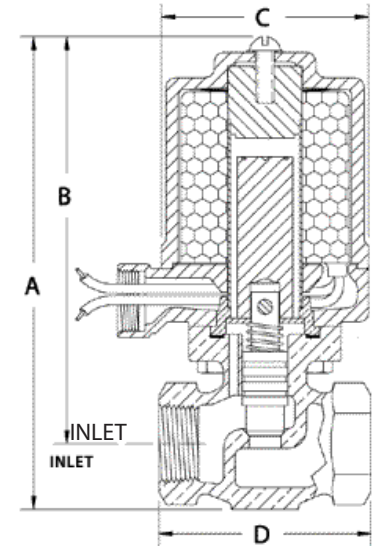
- *Valve Body - Cast Bronze, Globe Pattern - NPT ends
- Coil Enclosure - Malleable Iron, 1/2" NPS conduit conn.
- *Plunger - 430 Stainless Steel
- *Valve Stem - 303 Stainless Steel
- *Bonnet Tube - 304 Stainless Steel
- *Spring - Inconel
- *Body Seal - Non Asbestos Gasket
- *Orifice Seal - Metal to Metal
- *AC Shading Coil - Copper
- *Stem Pin - Inconel
- Coil - Encapsulated Class H, 18" leads

APPLICATION:

To control the flow of **Steam, Hot Liquids, Hot Gases, Cryogenics**** and any other fluids not reactive with construction materials and free of sediment. Cryogenic fluids include Liquid Oxygen (-297°F), Liquid Argon (-303°F) and Liquid Nitrogen (-320°F). 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.

****Cleaning:**

- Cryogenic valves are degreased and cleaned to keep them free of moisture.
- Oxygen valves are also "black light" tested.



MAX. FLUID TEMP.
400° F
MAX. STATIC PRESSURE
150 PSI



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

Pipe Size Inches	Max. Diff. PSI	Valve Port Size	Type No.	Watts AC	Amps Hold 120-60	Amps Inrush 120-60	Watts DC	Ship Wt. Lbs.	Dimensions In Inches											
									A	B	C	D								
3/8	25	3/8	10M21	25	0.4	1.1	18	6	6-1/4	5-1/2	2-7/8	2-5/8								
	50	1/4	10M41																	
	75	3/16	10M51																	
	100	5/32	10M81																	
	150	1/8	10M61																	
	50	3/8	25M21										45	0.8	2.3	23	10	7-1/8	6-3/8	3-1/2
75	5/16	25M31																		
100	1/4	25M41																		
150	3/16	25M51																		
25	3/8	10M22	25	0.4	1.2	18	6	6-1/4	5-1/2	2-7/8	2-3/4									
50	1/4	10M42																		
75	3/16	10M52																		
100	5/32	10M82																		
150	1/8	10M62																		
50	3/8	25M22										45	0.8	2.4	23	10	7-1/8	6-3/8	3-1/2	2-3/4
75	5/16	25M32																		
100	1/4	25M42																		
150	3/16	25M52																		
15	1/2	10M13	25	0.4	1.3	18	7	6-1/2	5-5/8	2-7/8	2-7/8									
35	5/16	10M33																		
30	1/2	25M13										45	0.8	2.5	23	10	7-3/8	6-1/2	3-1/2	2-7/8
75	5/16	25M33																		

Optional "Soft Seat" Orifice Seal (for applications requiring tight seating)

Viton - Suitable for Fuel Oils, Gaseous Oxygen and other compatible fluids

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)