

BULLETIN 3020-M

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



For Options and Accessories see pages 26 & 27. Strainers are recommended for use with solenoid valves (see page 19).

BRONZE Solenoid Valves

TYPE M NORMALLY CLOSED - 3/8" to 3/4" PIPE SIZE
(NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN)

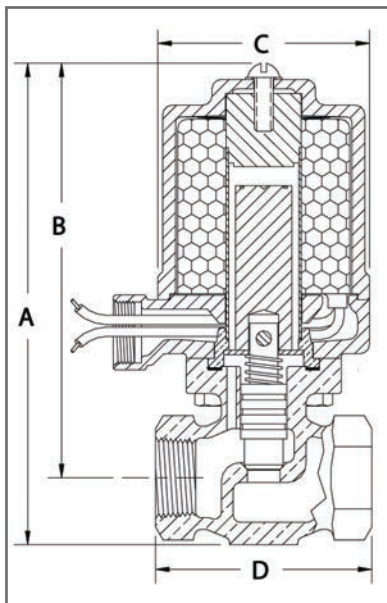
OPERATION: Valve opens when energized and closes when de-energized. In this direct acting valve, when the coil is energized, the stem is lifted from its conical seat by the plunger. Direct Acting Orifice Sizes – 1/8" to 1/2"

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 (Teflon® available)
- Orifice Seal* – Metal to Metal (Soft Seat available)
- 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.



When ordering please supply:

- 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	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	2-5/8
75	5/16	25M31																			
100	1/4	25M41																			
150	3/16	25M51																			
1/2	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																			
3/4	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 Viton® "Soft Seat" Orifice Seal

- For applications requiring tight seating
- Suitable for Fuel Oils, Gaseous Oxygen and other compatible fluids