



STAINLESS STEEL SOLENOID VALVES

Dependable • Packless

TYPE "J" - NORMALLY CLOSED

3/8" TO 1/2" PIPE SIZE

NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN

DIRECT ACTING - ORIFICE SIZES 1/8" TO 3/8"

OPERATION:

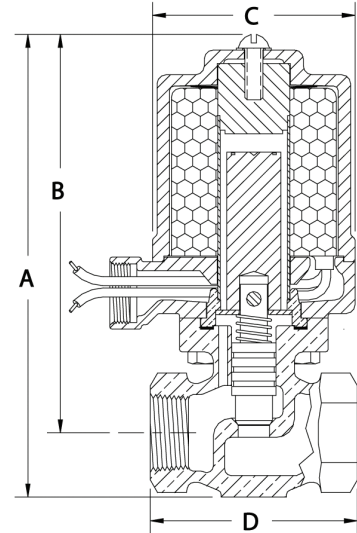
Valve opens when energized and closes when de-energized. In this direct acting valve, when the coil is energized, the stem is lifted from its conical seat by the plunger.

CONSTRUCTION: (*Wetted parts)

- *Valve Body - 304 Stainless Steel Globe Pattern - NPT ends
- Coil Enclosure - Malleable Iron, 1/2" NPT 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 - Silver
- *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 sidement. 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.



FOR OPTIONS AND 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	10J21	25	0.4	1.1	18	6	6-1/4	5-1/2	2-7/8	2-3/4
	75	3/16	10J51									
	150	1/8	10J61									
	50	3/8	25J21	45	0.8	2.3	23	10	7-1/8	6-3/8	3-1/2	2-3/4
	150	3/16	25J51									
300	1/8	25J61										
1/2	25	3/8	10J22	25	0.4	1.2	18	6	6-1/4	5-1/2	2-7/8	2-3/4
	75	3/16	10J52									
	150	1/8	10J62									
	50	3/8	25J22	45	0.8	2.4	23	10	7-1/8	6-3/8	3-1/2	2-3/4
	150	3/16	25J52									
300	1/8	25J62										

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

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

**** CLEANING**

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

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)