



# 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:**

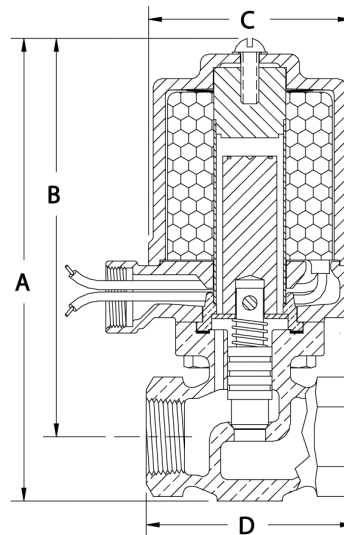
Valve opens when energized and closes when de-energized. In this direct acting valve, when the coil is energized, the stem is lifted from its conical seat by the plunger.

**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)