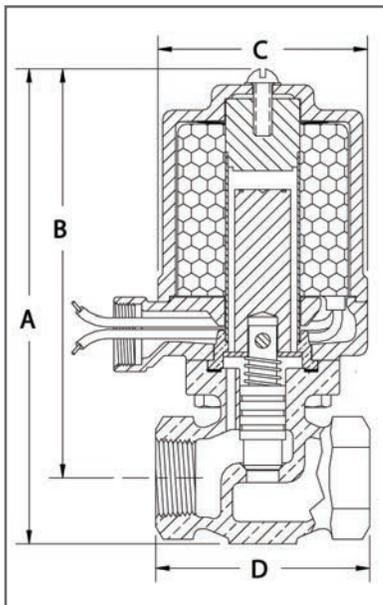


## BULLETIN 3020-J

MAX. FLUID TEMP. 400° F  
MAX. STATIC PRESSURE 300 PSI



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

**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)

# STAINLESS STEEL Solenoid Valves

## TYPE J NORMALLY CLOSED - 3/8" to 1/2" 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 3/8"

**CONSTRUCTION:** \*Wetted parts

- Valve Body\* – 304 Stainless Steel 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 (Viton® available)
- 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 sidentment. 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.

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 Viton® "Soft Seat" Orifice Seal**

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