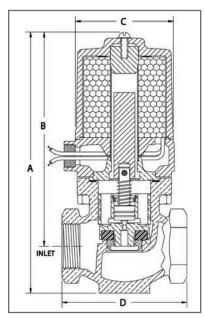


MAX. FLUID TEMP. 400° F MAX. STATIC PRESSURE 300 PSI (Except valves listed for 500 PSI)



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
- Fluid
- Valve Type
- Voltage (AC or DC)
- Hertz
- Fluid Temperature
- Max. Diff. Pressure
- Optional Features (See pages 26 & 27)

BRONZE Solenoid Valves

TYPE L

FULL PORT NORMALLY CLOSED - 1/2" to 3" PIPE SIZE

(NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN)

OPERATION: Valve opens when energized and closes when de-energized. When the coil is energized the pilot valve opens, relieving the pressure above the piston, which is then lifted from its seat by the plunger. Upon de-energizing the coil, a spring closes the pilot valve and opens a bleed passageway to permit pressure to build above the piston and seat it.

CONSTRUCTION: *Wetted parts

- Valve Body* Cast Bronze, Globe Pattern NPT ends (Flanged Ends available)
- Piston* Bronze
- Coil Enclosure Malleable or Cast Iron, 1/2" NPS conduit conn.
- Plunger* 430 Stainless Steel
- Pilot Valve* 303 Stainless Steel
- Bonnet Tube* 304 Stainless Steel
- Spring* Inconel
- Body Seal* Non Asbestos Gasket (Teflon® available)
- Orifice Seal* Glass Filled Teflon®
- AC Shading Coil* Copper
- Stem Pin* Inconel
- Coil Encapsulated Class H, 18" leads

FOR STEAM APPLICATIONS SEE BULLETIN 3020-S Page 12

APPLICATION: To control the flow of **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.

Pipe Size Inches	Max. Diff. PSI	Type No.	Watts AC	Amps Hold 120-60	Amps Inrush 120-60	Watts DC	Ship	Dimensions in Inches				
							Wt. Lbs.*	A+	В	C	D	D (Flanged) 150#
1/2	110 200	14L42 14L32	25	0.4	1.2	18	8	7	5-7/8	2-7/8	3-1/4	4-3/4
	300 500	29L52 E29L62	45 45	0.8	2.4 2.4	23 23	11 16	8	6-7/8 6-7/8	3-1/2 4	3-1/4 3-1/4	N/A
3/4	50 110	14L23 14L43	25	0.4	1.3	18	9	7-1/8	6	2-7/8	3-1/2	5-1/2
	200 300	29L33 129L53	45 65	0.8 1.2	2.6 3.9	23 33	12	8-1/8	7	3-1/2	3-1/2	N/A
	500	E129L63	65	1.2	3.9	33	17	8-1/8	7	4	3-1/2	1
1	50 110	16L24 16L44	25	0.4	1.5	18	11	8	6-5/8	3-1/4	4-1/8	5
	200 300	31L34 131L54	45 65	0.8 1.2	2.8 4.2	23 33	14	8-7/8	7-1/2	3-1/2	4-1/8	N/A
	500	E131L64	65	1.2	4.2	33	19	8-7/8	7-1/2	4	4-1/8	1
1-1/4	50 90	17L25 17L45	25	0.4	1.6	18	12	8-3/8	6-3/4	3-1/2	4-1/2	7
	200 300	32L35 132L55	45 65	0.8	3.0 4.5	23 33	16	9-3/8	7-3/4	3-5/8	4-1/2	N/A
	500	† 140L65	85	2.0	9.2	N/A	20	10-3/8	8-3/4	4-1/2	4-1/2	1
1-1/2	50 115	35L26 35L46	45	0.8	3.2	23	20	10	8-1/8	4	4-7/8	7-3/4
	200 300	41L36 141L56	60 85	1.2	6.7	35	24	11	9-1/8	4-1/2	4-7/8	N/A
	500	141L66		2.0	10.0	45						
2	50 100	36L27 36L47	45	0.8	3.5	23	31	11	8-3/4	5-3/8	6	8
	200 300	42L37 42L57	60	1.2	7.4	35	36	12	9-3/4	5-3/8	6	N/A
	500	142L67	85	2.0	11.0	45						
2-1/2	50 125	43L28 43L48	60	1.2	8.0	35	43	12-7/8	10-1/8	5-7/8	7-1/4	11
	200	43L38	60	1.2	8.0	35						N/A
	300	143L58	85	2.0	12.0	45						0.1/2
3	50 100	44L29 44L49	60	1.2	8.8	35	56	13-3/4	10-1/2	6-5/8	8-3/8	9-1/2
	200 300	44L39 144L59	85	2.0	13.0	45	. 00					N/A

† Not available for DC operation

◆ Shipping weights and Dimension "A" apply to NPT Ends