STAINLESS STEEL Solenoid Valves

TYPE KR

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

(NO DIFFERENTIAL PRESSURE REQUIRED TO OPEN)

OPERATION: Valve closes when energized and opens when de-energized. When the coil is energized the plunger presses the poppet, closing the pilot orifice, and opens a bleed passageway to permit pressure to build above the piston and seat it. Upon de-energizing the coil, the pilot orifice is opened, relieving the pressure above the piston allowing it to leave its seat. The bottom spring allows the valve to operate at zero pressure drop.

CONSTRUCTION: *Wetted parts - No Copper Bearing Alloys in contact with fluid

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

- Silver
- Stem Pin* -304 Stainless Steel
- Coil Encapsulated Class H, 18" leads

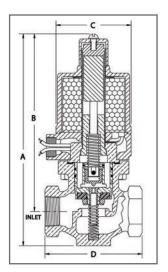


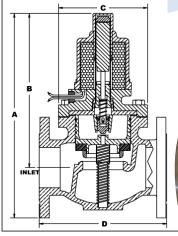
APPLICATION: To control the flow of Corrosive Fluids, Deionized Water, Condensate, Ammonias, Vegetable Oils, Fuel Oils, Cryogenics**, and Flammable Liquids. Cryogenic fluids include Liquid Oxygen (-297°F), Liquid Argon (-303°F) and Liquid Nitrogen (-320°F). Valve operates from zero to maximum differential 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	Max.		Watts AC	Amps Hold 120-60	Amps Inrush 120-60	Watts DC	Ship Wt. Lbs.+	Dimensions in Inches					
Size Inches	Diff. PSI	Type No.						A+	В	С	D NPT	D (Fla 150#	nged) 300#
1/2	110 200	14KR42 14KR32	25	0.5	1.5	18	7	8-1/8	7	2-7/8	3-1/4	6	6-1/2
	300 500	29KR52 E29KR62	45	1.0	2.7	23	10 15	9-1/8	8	3-1/2 4			
3/4	110	14KR43	25	0.5	1.6	18	8	8-1/4	7-1/8	2-7/8	3-1/2	6	6-1/2
	200 300	29KR33 129KR53	45 65	1.0	2.9	23	12	9-1/4	8-1/8	3-1/2			
	500	E129KR63		1.5	4.3	33	17			4			
1	110	16KR44	25	0.5	1.8	18	10	9-1/8	7-3/4	3-1/4			
	200	31KR34	45	1.0	3.0	23	14	10	8-5/8	3-1/2	4-1/8	6-1/2	7-1/2
	300	131KR54	65	1.5	4.5	33							
	500	E131KR64		4.0			20		0.4.0	4			
1-1/2	115	35KR46	45	1.0	3.8	23	18	11-3/8	9-1/2	4		6-1/2	7-1/2
	200	41KR36	60	1.7	6.5	35	72 11.		9-3/4	4-1/2	4-7/8		
	300 500	141KR56 141KR66	85	3.5	9.7	45		11-5/8					
2	100	36KR47	45	1.0	4.2	23	27	12-3/8	10-1/8	5-3/8	6	8	9
	200 300	42KR37 42KR57	60	1.7	7.3	35	32	12-5/8	10-3/8				
	500	142KR67	85	3.5	11.0	45							
3	100 200	44KR49F1 44KR39F1	60	1.7	8.8	35	69	14-3/8	11-1/8	6-5/8	N/A	9-1/2	N/A
	300	144KR59F3	85	3.5	13.0	45	82					N/A	12-1/2

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







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

Shipping Weights shown here apply to Threaded Ends Only (except 3" which are Flanged Only)

For Flanged Ends contact factory for complete weight and dimensions

3" STAINLESS STEEL VALVES are SUPPLIED with FLANGED ENDS ONLY