

EP70 SERIES 1/2" PIPE SIZE

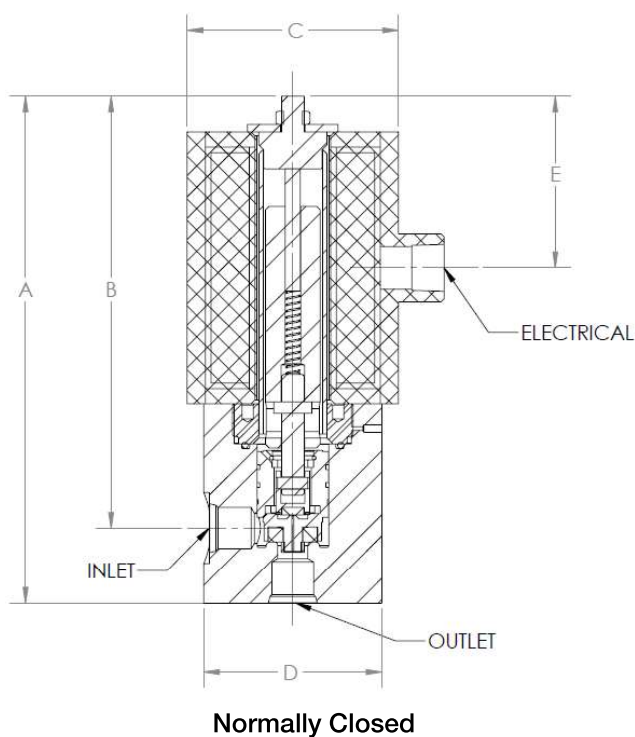
20



Features:

The powerful, full port EP70 is great for a wide range of liquid flow rates and temperatures. This pilot assisted, direct operated valve can be configured with a UL/CSA certified explosion proof coil for Class 1, Division 1, Group A-D locations. The EP70 has NPT or SAE connections, and allows inlet pressures of up to 5000 psig. There is no minimum required pressure differential for opening/closing. The combination of a high power coil and larger internal bleed orifices, as compared to our other EH Series products, provides for less sensitivity to fluid viscosities and particulates. The EP70 can be used with water, fuel oils, flammable liquids and other liquids compatible with the construction materials. **Filters recommended for all applications.**

Dimensions



	Pipe Size	Ship Weight (lbs.)	Reference Dimensions (inches)				
			A	B	C	D	E
EP70-08	1/2"	15	8.4	7.2	ø 3.5	3.0	2.8
EP70-12	3/4"		9.75	8.4	ø 4.5	3.2	3.3

EP70 SERIES

1/2" PIPE SIZE

21

How To Order

Base Model Number	Connection size	Connection type	AC/DC Voltage and Hertz	Suffix Option Field (s)																																
EP70	<table border="1"> <tr> <td>08</td> <td>1/2"</td> </tr> <tr> <td>12</td> <td>3/4"</td> </tr> </table>	08	1/2"	12	3/4"	<table border="1"> <tr> <td>A</td> <td>NPT</td> </tr> <tr> <td>N</td> <td>SAE</td> </tr> </table>	A	NPT	N	SAE	<table border="1"> <tr> <td>A024</td> <td>24 / 60</td> </tr> <tr> <td>A120</td> <td>120 / 60</td> </tr> <tr> <td>A240</td> <td>240 / 60</td> </tr> <tr> <td>D012</td> <td>12 DC</td> </tr> <tr> <td>D024</td> <td>24 DC</td> </tr> <tr> <td>D120</td> <td>120 DC</td> </tr> </table>	A024	24 / 60	A120	120 / 60	A240	240 / 60	D012	12 DC	D024	24 DC	D120	120 DC	<table border="1"> <tr> <td>DN</td> <td>Din Connector</td> </tr> <tr> <td>ETL</td> <td>ETL Listed Solenoid</td> </tr> <tr> <td>CY</td> <td>Cryogenic Service</td> </tr> <tr> <td>OX</td> <td>Oxygen Cleaning</td> </tr> <tr> <td>SS</td> <td>Stainless Steel Tags</td> </tr> <tr> <td>T5</td> <td>Class 5 Leakage Test with Air</td> </tr> </table>	DN	Din Connector	ETL	ETL Listed Solenoid	CY	Cryogenic Service	OX	Oxygen Cleaning	SS	Stainless Steel Tags	T5	Class 5 Leakage Test with Air
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Possible EP70 Options & Add-Ons



72" Lead Length



Din Connector



Stainless Steel Tags



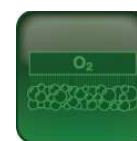
Class V Leakage Testing



NEMA 4X



ETL Listed Explosion Proof



Oxygen Clean



Cryogenic Cleaning

The following are standard on the EP70:



Stainless Steel Valve Body

Certifications



ETL Listed solenoid is an available option, at an additional price.

Conforms to UL Std. 1203
Certified to CAN/CSA Std. C22.2 No.30

*Consult Factory for Listing and Pricing Details.

Construction

Valve Body:	316 SS (CF8M)
Piston:	303 SS
Piston Rings:	PTFE (cryo to 400°F)
Plunger:	430 SS
Pilot Valve:	303 SS
Bonnet Tube:	304 SS
Bonnet Base:	304 SS
Spring:	302 SS
Body O-Ring	Viton (STD)
Valve Disc:	PTFE

Pressure

Maximum pressures shown are measured in PSIG

	Pipe Size	
	1/2"	3/4"
Normally Closed Standard AC:	5,000	2,160
Normally Closed Standard DC:	5,000	2,160
Minimum Pressure Differential:	0	0

Flow & Wattage

Pipe Size	C _v	Watts
1/2"	3.5	80
3/4"	7.5	116

Electrical (Coil)

Standard Coil:

- NEMA 4 (indoor / outdoor watertight)
- 1/2" NPT Female conduit connection
- 36" leads

Coil Options:

- ETL Listing for UL-1203, CAN/CSA C22.2 No. 30 certified for hazardous locations: Explosion-proof for Class I, Division 1, Groups A-D for Operating Temperature Code T2D in -20 to +85 degrees C ambient, seal welded construction
- NEMA 4x epoxy coating

Possible Media

