

# EP70 SERIES 1/2" PIPE SIZE

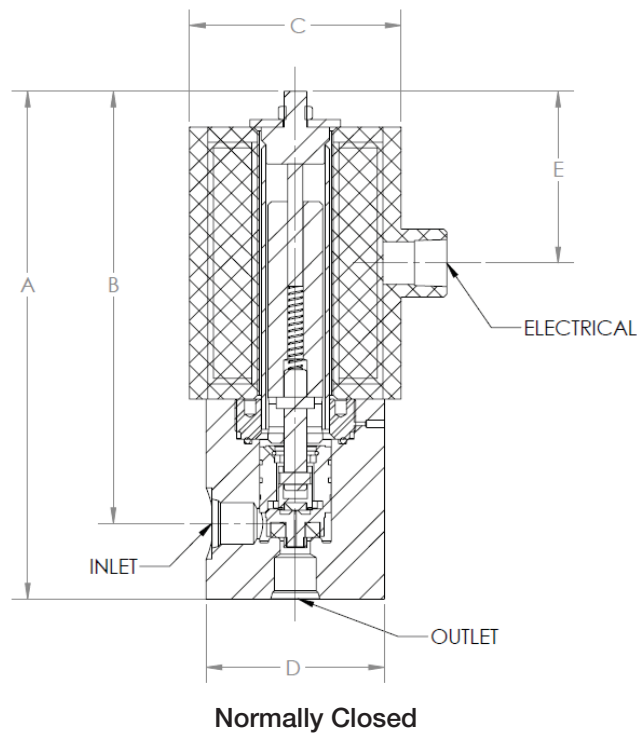
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## Features:

The powerful, full port EP70 is great for a wide range of flow rates, temperatures, fluids and gases. This pilot assisted, direct operated valve utilizes a UL/CSA certified enclosure for Class 1, Division 1, Groups A-D locations. The EP70 is available in pipe sizes up to 1/2" and for inlet pressures up to 5,000 PSIG. This versatile valve requires no minimum pressure for opening, and can be mounted in any orientation. Other uses of the EP70 include controlling the flow of water, compressed natural gas, hydrogen, oxygen, fuel oils, flammable liquids and gases and other gases or liquids compatible with materials of construction.

## Dimensions



	Pipe Size	Ship Weight (lbs.)	Reference Dimensions (inches)				
			A	B	C	D	E
EP70-08 Normally Closed	1/2"	15	8.4	7.2	ø 3.5	3.0	2.8

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## How To Order

Base Model Number	Connection size	Connection type	AC/DC Voltage and Hertz	Suffix Option Field (s)																																
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## Possible EP70 Options & Add-Ons



Cryogenic Cleaning



72" Lead Length



Din Connector



Hydrogen Service



Oxygen Clean



Stainless Steel Tags



Class V Leakage Testing



NEMA 4X

The following are standard on the EP70:



Explosion Proof



Stainless Steel Valve Body



Universal Mount

## 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:	PTFE
Valve Disc:	PTFE

### Pressure

Maximum pressures shown are measured in PSIG

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

### Flow & Wattage

Pipe Size	C <sub>v</sub>	Watts
1/2"	3.5	80

### Electrical (Coil)

#### Coil:

Encapsulated Class "H", 18" leads - All AC/DC Voltages

#### Coil Enclosure:

Carbon Steel - Coil enclosure is completely seal-welded NEMA 4 (watertight)

NEMA 7 (explosion-proof)











NEMA 4X optional

Class 1, Division 1, Group A-D

#### Conduit Connection:

1/2" NPT

### Possible Media

									
General Gases and Liquids	Fuels & Light Oils	Flammable Gases	Hydrogen	Oxygen	Corrosives	Sea & Salt Water	Viscous Liquids	Steam	Cryogenics