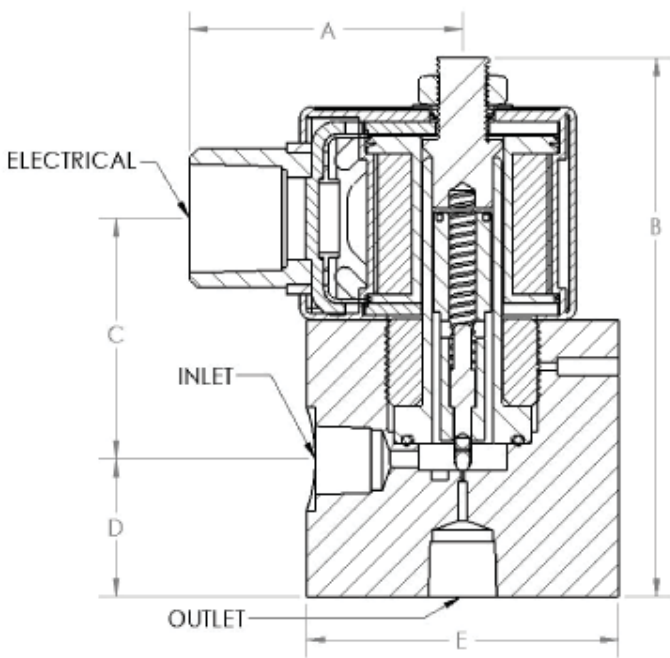


# EH30 SERIES 1/4" PIPE SIZE

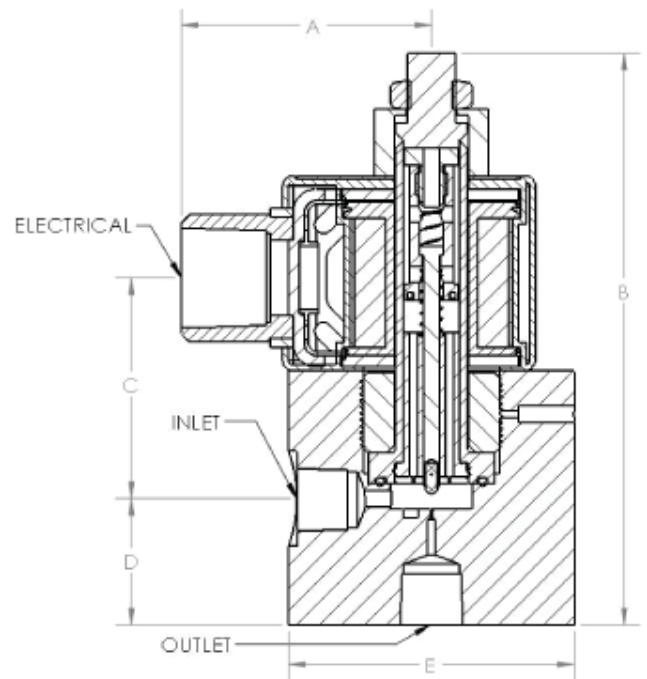


**Features:**

The EH30 is a 2-way, unidirectional reduced port solenoid valve that is great for a wide range of fluids and gases. This direct acting valve offers a solution to a variety of applications to control the flow of high pressure air, water, natural gas, hydrogen, nitrogen and other gases or light liquids compatible with materials of construction. Suitable for cryogenic applications, this low flow, high pressure valve packages great versatility in a compact design for pressures of zero to 10,000 PSIG. No minimum pressure is required for opening, and it will not “burp” due to any rapid spikes in inlet pressure. Both the Normally Closed and Normally Open versions can be universally mounted, as a standard. They both may be mounted in any orientation. **Filters recommended for all applications.**



**Normally Closed**



**Normally Open**

	Inlet/Outlet	Electrical	Ship Weight (lbs.)	Reference Dimensions (inches)				
				A	B	C	D	E
EH30-04 Normally Closed	1/4" NPT	1/2" NPT Conduit	2.90	2.0	3.9	1.7	1.0	ø 2.20
EH30-04 Normally Open			3.15	2.0	4.5	1.7	1.0	ø 2.20

# EH30 SERIES 1/4" PIPE SIZE

## How To Order

Base Model Number	Connection & Orifice Size	AC/DC Voltage and Hertz	Suffix Option Field (s)																																		
EH30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>																																		
	<table border="1"> <tr> <td>041</td> <td>1/4", 0.019"</td> </tr> <tr> <td>042</td> <td>1/4", 0.032"</td> </tr> </table>	041	1/4", 0.019"	042	1/4", 0.032"	<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 (Not Explosion Proof)</td> </tr> <tr> <td>GS</td> <td>General Service (Not Explosion Proof)</td> </tr> <tr> <td>HY</td> <td>Class 5 Leakage Test with Helium</td> </tr> <tr> <td>NO</td> <td>Normally Open</td> </tr> <tr> <td>OX</td> <td>Oxygen Clean</td> </tr> <tr> <td>CY</td> <td>Cryogenic Service</td> </tr> <tr> <td>TC</td> <td>Tube Connector</td> </tr> <tr> <td>T5</td> <td>Class 5 Leakage Test with Air</td> </tr> <tr> <td>S2</td> <td>SAE J1926 Size "2" Connection</td> </tr> </table>	DN	Din Connector (Not Explosion Proof)	GS	General Service (Not Explosion Proof)	HY	Class 5 Leakage Test with Helium	NO	Normally Open	OX	Oxygen Clean	CY	Cryogenic Service	TC	Tube Connector	T5	Class 5 Leakage Test with Air	S2	SAE J1926 Size "2" Connection
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## Possible EH30 Options & Add-Ons

 72" Lead Length	 Din Connector	 Screw Terminal	 1/4 Tab (spade)	 General Service	 Hydrogen Service	 Normally Open
 Oxygen Clean	 Tube Connector	 Class V Leakage Testing	 NEMA 4X	 Stainless Steel Tags	 SAE Port	

The following are standard on the EH30:

 Explosion Proof	 Stainless Steel Valve Body	 Universal Mount
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## Certifications



CRN - Canadian Registration Number

## Construction

Valve Body:	316 SS
O Ring (Standard):	PTFE (cryo to 400°F)
Cartridge:	316 SS & 430 SS
Pilot / Seal:	303 SS / PTFE (cryo to 400°F)
Spring:	302 SS
Plunger:	430 SS
Bonnet Retainer:	430 SS
Fluid Temperature:	-423°F to +400°F

## Pressure

Maximum pressures shown are measured in PSIG

	Orifice Size	
	0.019"	0.032"
Normally Closed AC Voltage:	10,000	10,000
Normally Closed DC Voltage:	10,000	6,300
Normally Open AC Voltage:	7,500	3,500
Normally Open DC Voltage:	4,300	1,800

## Flow

Orifice Size	0.019"	0.032"
C <sub>v</sub>	0.005	0.020











## Electrical (Coil)

Wattage	AC Power			DC Power		
	10			22		
Voltage	24	120	240	12	24	120
Inrush (RMS amps)	2.6	0.6	0.3	N/A		
Holding (RMS amps)	1.2	0.3	0.17	1.8	0.9	0.2
Insulation	Class F			Class H		
Connection	1/2" NPT, 18" Leads					
Standard Coil	NEMA 3, 3S, 4, 4X, 7, 9; Class I Groups A-D, Temp Class T3A, Class II Group E					
General Service Coil	NEMA 1, 2, 3, 3S, 4, 4X					

\* All AC valves have standard 10 watt coil

\* All DC valves have standard 22 watt coil

## Possible Media

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