

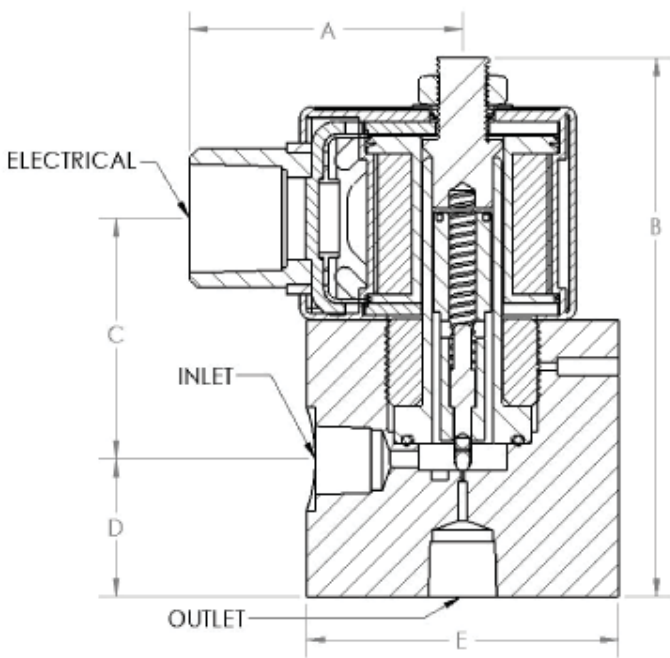
# EH30 SERIES 1/4" PIPE SIZE



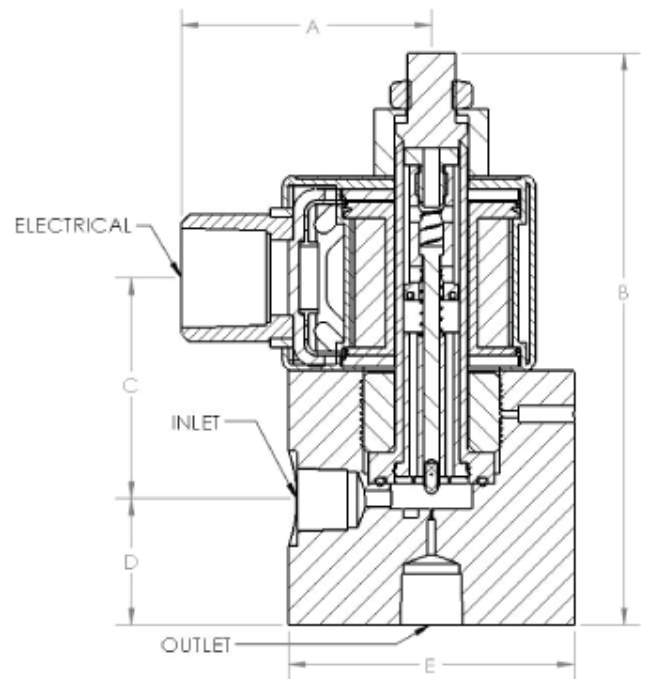
### Features:

The EH30 is great for a wide range of pressures and many different fluids and gases. This direct acting valve offers a solution to a variety of applications to control the flow of high pressure air, water, 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 up 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 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

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## How To Order

Base Model Number	Connection & Orifice Size	AC/DC Voltage and Hertz	Suffix Option Field (s)																																
EH30	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div> <table border="1" style="margin: 5px auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">041</td> <td style="padding: 2px;">1/4", 0.019"</td> </tr> <tr> <td style="padding: 2px;">042</td> <td style="padding: 2px;">1/4", 0.032"</td> </tr> </table>	041	1/4", 0.019"	042	1/4", 0.032"	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div> <table border="1" style="margin: 5px auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">A024</td> <td style="padding: 2px;">24 / 60</td> </tr> <tr> <td style="padding: 2px;">A120</td> <td style="padding: 2px;">120 / 60</td> </tr> <tr> <td style="padding: 2px;">A240</td> <td style="padding: 2px;">240 / 60</td> </tr> <tr> <td style="padding: 2px;">D012</td> <td style="padding: 2px;">12 DC</td> </tr> <tr> <td style="padding: 2px;">D024</td> <td style="padding: 2px;">24 DC</td> </tr> <tr> <td style="padding: 2px;">D120</td> <td style="padding: 2px;">120 DC</td> </tr> </table>	A024	24 / 60	A120	120 / 60	A240	240 / 60	D012	12 DC	D024	24 DC	D120	120 DC	<div style="border: 1px dashed black; width: 100px; height: 30px; margin: 0 auto;"></div> <table border="1" style="margin: 5px auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DN</td> <td style="padding: 2px;">Din Connector (Not Explosion Proof)</td> </tr> <tr> <td style="padding: 2px;">GS</td> <td style="padding: 2px;">General Service (Not Explosion Proof)</td> </tr> <tr> <td style="padding: 2px;">HY</td> <td style="padding: 2px;">Class 5 Leakage Test with Helium</td> </tr> <tr> <td style="padding: 2px;">NO</td> <td style="padding: 2px;">Normally Open</td> </tr> <tr> <td style="padding: 2px;">OX</td> <td style="padding: 2px;">Oxygen Clean</td> </tr> <tr> <td style="padding: 2px;">CY</td> <td style="padding: 2px;">Cryogenic Service</td> </tr> <tr> <td style="padding: 2px;">TC</td> <td style="padding: 2px;">Tube Connector</td> </tr> <tr> <td style="padding: 2px;">T5</td> <td style="padding: 2px;">Class 5 Leakage Test with Air</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
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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		

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

## 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)

Power:	22 Watts *
AC Inrush:	2.5 amp @ 120V AC
AC Holding:	0.2 amp @ 120V AC
Insulation:	Class "H" *
Duty:	Continuous
Connection:	1/2" NPT, 18" Leads
Enclosure	
Explosion Proof (standard):	NEMA 3, 3S, 4, 4X, 7, 9
General Service:	NEMA 1, 2, 3, 3S, 4, 4X

\* 240V AC valves have standard 10 watt coil with Class "F" insulation.

## Possible Media

