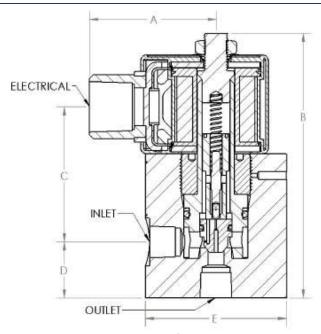
EH40 SERIES <u>1/4-1/2" PIPE</u> SIZE

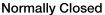


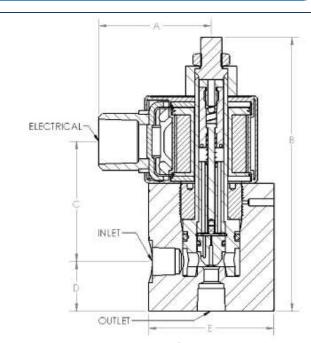
Features:

The EH40 is a 2-way, unidirectional, full port solenoid valve that is great for a wide range of fluids and gases. This pilot operated valve can be used to control the flow of media such as high pressure air, water, natural gas, hydrogen, nitrogen, and other gases or light liquids compatible with materials of construction. Available in both 1/4" (EH40-04) and 1/2" (EH40-08) sizes, the EH40 is the workhorse of our collection and offers a cartridge design that alleviates your demanding maintenance requirements. The EH40 requires 50 PSIG minimum pressure differential between inlet and outlet for operation. The design is optimal for pressures of 50 to 10,000 PSIG. The Normally Closed DC powered EH40 valves must be mounted upright and vertical, while all other EH40 valves can be universally mounted. **Filters are recommended for all applications.**

Dimensions







Normally Open

	Inlet/	Flectrical	Ship	Reference Dimensions (inches)				
	Outlet		Weights (lbs.)	А	В	С	D	E
EH40-04 Normally Closed	- 1/4" NPT	½" NPT Conduit	2.85	2.0	4.1	2.1	0.9	ø 2.20
EH40-04 Normally Open			3.10	2.0	4.8	2.1	0.9	ø 2.20
EH40-08 Normally Closed	. ½" NPT		6.05	2.0	4.7	2.2	1.3	ø 2.95
EH40-08 Normally Open			6.04	2.0	5.4	2.2	1.3	ø 2.95

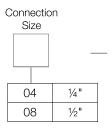


EH40 SERIES 1/4-1/2" PIPE SIZE

How To Order



EH40



A	C/DC Vol and Her	_

24 / 60	
120 / 60	
240 / 60	
12 DC	
24 DC	
120 DC	

Suffix Option Field (s)

DN	Din Connector (Not Explosion Proof)
GS	General Service (Not Explosion Proof)
HY	Hydrogen Service (Helium leak test)
NO	Normally Open
OX	Oxygen Clean
S4	SAE J1926 Size "4" Connection
S8	SAE J1926 Size "8" Connection
TC	Tube Connector
VT	Viton O-rings (Higher temps & resistance)
XP	22 Watt Coil (Higher Pressure)
T5	Class 5 Leakage Test

Possible EH40 Options & Add-Ons



72" Lead Length



Din Connector



Screw Terminal



1/4 Tab (spade)



General Service



Hydrogen Service



Normally Open



Oxygen Clean



SAE Port



Tube Connector



Class V Leakage Testing



Stainless Steel Tags



Viton O-Rings



22 W Coil



IECEx

The following are standard on the EH40:



Explosion Proof



Stainless Steel Valve Body



NEMA 4X

Certifications



CRN - Canadian Registration Number



Pricing Details.



See Website for certification details.

EH40 SERIES 1/4 -1/2" PIPE SIZE

Construction

Valve Body:	316 SS
Piston:	PEEK®
O Ring (Standard):	Buna-N (-50° to 225°F)
O Ring (Optional):	Viton (0° to 400°F)
Piston Rings:	Buna / Viton
Cartridge:	316 SS & 430 SS
Pilot / Seal:	303 SS / PTFE
Spring:	302 SS
Plunger:	430 SS
Bonnet Retainer:	430 SS

^{*} See Temp Limits for UL Listed Coils

Pressure

Maximum pressures shown are measured in PSIG

	1⁄4" Pipe Size	½" Pipe Size
Normally Closed AC Voltage (Standard):	7,500	7,500
Normally Closed AC Voltage (Higher Wattage):	10,000	10,000
Normally Closed DC Voltage (Standard):	3,500	3,600
Normally Closed DC Voltage (Higher Wattage):	10,000	7,200
Normally Open AC Voltage:	5,500	6,500
Normally Open DC Voltage (Higher Wattage):	5,500	6,200
Minimum Required Pressure Differential:	50	50

^{**} For Oils and Hydraulic Fluids with viscosities greater than water, the maximum differential pressure is the value in the table divided by 2.

Flow

	1⁄4" Pipe Size	½" Pipe Size
C _v	1.1	4.5

Standard Sealing Is Class 2, Per ANSI/FCI 92-2-2001

Electrical (Coil)

	Standard	High Wattage
Power:	10 Watts	22 Watts
AC Inrush:	1 amp @ 120V AC	2.5 amp @ 120V AC
AC Holding:	0.1 amp @ 120V AC	0.2 amp @ 120V AC
Insulation:	Class "F"	Class "H"
Duty:	Continuous	Continuous
Connection:	1/2" NPT, 18" Leads	1/2" NPT, 18" Leads
Enclosure		
Explosion Proof (Standard):***	NEMA 3, 3S, 4, 4X, 7, 9	NEMA 3, 3S, 4, 4X, 7, 9
General Service:	NEMA 1, 2, 3, 3S, 4, 4X	NEMA 1, 2, 3, 3S, 4, 4X

*** All for use in:

Class I Div 1 & 2, Groups A, B, C, D; Class II Div 1 & 2, Groups E, F, G

10 Watt Solenoid Coils:

Temperature Code T4: Ambient Temperature range of -20 C to 65.6 C and maximum fluid temperature of 121.1 C

22 Watt Solenoid Coils:

Temperature Code T3C: Ambient Temperature range of -20 C to 50 C and maximum fluid temperature of 65.0 C

Possible Media























General Gases & Light Liquids

Fuels & Light Oils

Flammable Gases

Hydrogen

Oxygen

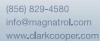
Corrosives

Sea & Salt

Viscous Liquids

Steam

Cryogenics





^{*}Consult Sales for maximum allowable inlet pressures for Fluid Temps Exceeding 300°F.