

E & EH Series – Subminiature Gas

MOPD: 175 PSI

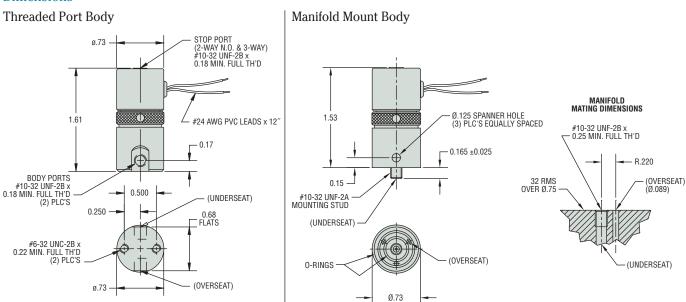
C_v Range: 0.018 to 0.070
0.65 Watts or 2 Watts

A 2- or 3-way sub-miniature solenoid valve that delivers faster response times—and higher flow rates, the E & EH Series is specifically engineered for air and dry gas applications. A nickel-plated body and coil housing construction produces a highly durable, corrosion resistant valve. With a wattage range of 0.65–2 the E & EH Series provides versatility for power conserving, high pressure, and high flow applications.

Typical Applications

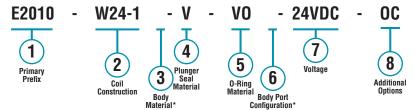
- · Medical and Respiratory Healthcare
- · Printing Machinery and Sorting Equipment
- Automated Packaging Equipment
- Air Monitoring Systems

Dimensions



How To Order

Use the **Bold** characters from the choices listed on the following page to construct a product code.



^{*} Blank entry indicates a "Standard" selection (#10-32 straight thread ports, in this case).

Example:

E2010-W24-1-V-V0-24VDC-0C

E-Series 2-Way N.C. solenoid valve, with 24" lead-wires from an encapsulated coil, nickel-plated brass body, Viton® plunger seal, Viton® o-ring, #10-32 straight thread ports, operating at 24 VDC, and is cleaned for oxygen use.

Part Prefix Table 1

	Power Rating	Orifice		MOPD	C _v		1
		Body	Stop	(psig)	Body	Stop	Primary Prefix
2-WAY N.C.	0.65W	1/32	_	125	0.018	_	E2010
		3/64	_	70	0.023	_	E2011
		1/16	_	40	0.036	_	E2012
		5/64	_	20	0.070	_	E2013
	2W	1/32	_	175	0.018	_	EH2010
		3/64	_	150	0.023	_	EH2011
		1/16	_	100	0.036	_	EH2012
		5/64	_	50	0.070	_	EH2013
2-WAY N.O.	0.65W	_	1/32	125	_	0.018	E2210
		_	3/64	70	_	0.023	E2211
		_	1/16	40	_	0.032	E2212
	2W	_	1/32	175	_	0.018	EH2210
		_	3/64	150	_	0.023	EH2211
		_	1/16	100	_	0.032	EH2212
3-WAY N.C. Line Connection	0.65W	1/32	1/32	125	0.018	0.018	E3110
		3/64	3/64	70	0.023	0.023	E3111
		1/16	1/16	40	0.036	0.032	E3112
	2W	1/32	1/32	175	0.018	0.018	EH3110
		3/64	3/64	150	0.023	0.023	EH3111
		1/16	1/16	100	0.036	0.032	EH3112
3-WAY N.O.	0.65W	1/32	1/32	125	0.018	0.018	E3210
		3/64	3/64	70	0.023	0.023	E3211
		1/16	1/16	40	0.036	0.032	E3212
	2W	1/32	1/32	175	0.018	0.018	EH3210
		3/64	3/64	150	0.023	0.023	EH3211
		1/16	1/16	100	0.036	0.032	EH3212
3-WAY Multi Purpose	0.65W	1/32	1/32	80	0.018	0.018	E3310
		3/64	3/64	40	0.023	0.023	E3311
		1/16	1/16	20	0.036	0.032	E3312
	2W	1/32	1/32	150	0.018	0.018	EH3310
		3/64	3/64	100	0.023	0.023	EH3311
		1/16	1/16	50	0.036	0.032	EH3312
3-WAY Directional Control	0.65W	1/32	1/32	135	0.018	0.018	E3410
		3/64	3/64	80	0.023	0.023	E3411
		1/16	1/16	45	0.036	0.032	E3412
	2W	1/32	1/32	190	0.018	0.018	EH3410
		3/64	3/64	165	0.023	0.023	EH3411
		1/16	1/16	80	0.036	0.032	EH3412

(2) Coil Construction

(blank) = Tape-wrapped, Class-B, with lead-wires (12" long)*

W__ = Lead-wires, non-standard length (specify in inches)

1 = Encapsulated coil

5 = Encapsulated coil with 0.110 spade terminals

10 = Rectified coil for AC voltage (2 watt only)

(3) Body Material

(blank) = Nickel-plated brass*

4 Plunger Seal Material

(blank) = Nitrile*

Ý = Viton[®]

 $\mathbf{E} = \mathsf{EPR}$

MQ = Silicone

(5) O-Ring Material

(blank) = Nitrile*

VO = Viton® EO = EPR

MQO = Silicone

6 Body Port Configuration

(blank) = #10-32 straight thread ports*

 $BM = M5 \times 0.8 \text{ ports}$

MM = Manifold mount with #10-32 threaded stud†

MM2 = Manifold mount with M5 x 0.8 threaded stud[†]

BO = Bottom under-seat port (max orifice = 1/16")

VDC = DC (specify voltage)

VAC = AC rectified 2-watt only (specify voltage)

(8) Additional Options

OC = Cleaned for oxygen use

Q0 = Quiet operation (2-way N.C.)

VAC = Vacuum application (0 to 29.5" Hg)

Standard selection; will be used unless otherwise specified. Standard selections are not referenced in final part number.

Gems specializes in the design and manufacturing of custom solenoid valves and fluidic systems. If you don't see what you're looking for, or have a question, contact us at 800-378-1600 or info@gemssensors.com.

[†]Teflon® o-ring not suitable for manifold mount.