Proportional Electronic Valves

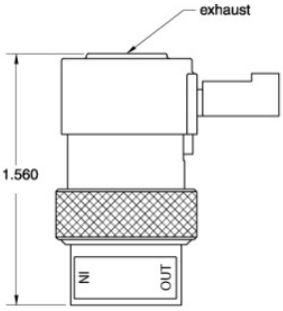
EC-P-05-0925

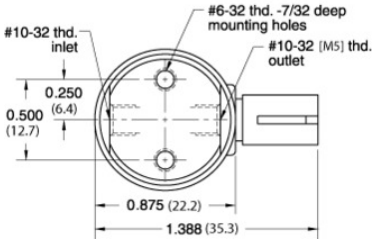
The EVP 2-Way proportional control valves combine the features of the existing EV series valve—long life, low power, and Clippard's reputation for high quality components—with the additional capability for proportional control. The EVP series valve provides air or gas flow control, and varies the output flow based on the current input to the solenoid.

Controllability and overall value are the main features of the EVP series. The consistent gain of this valve provides a high degree of control for many applications. The valve may be controlled using DC current, open- or closed-loo control, and even PWM to cover a broad range of applications.

2D File	2D File
Accessories	Valve Driver in Enclosure EVPD-2, Valve Driver Board EVPD-1, DIN Rail Mounting Clip EVPD-2DIN, Installation Socket Torque Tool 30215
Coil Resistance	13.5 Ω @ 73°F (23°C)
Connection	0.025" Square Pin Connector
Connector	AMP #103959-1
Connector P/N	C2-RB18
Data Sheet	Valve Data Sheet, Driver Data Sheet
Flow Rate	2.7 l/min +/- 10% @ 100 psig
Function	2-Way Normally-Closed Proportional
Input Current Range	0 to 0.370 A
Length	1.560
Material, Body	Nickel Plated Brass
Material, Seals	Nitrile
Material, Seat	Stainless Steel
Material, Wetted	ENP Brass, ENP Steel, Stainless Steel
Max Voltage Required	6.2 VDC
Max. Flow	±10% of Target Flow
Max. psig	100 psig (7 bar)
Maximum Hysteresis	10% of Full Current
Medium	Clean, Dry Air or Insert Gases
Mounting Holes	In-Line Threaded
Number of Ports	2
Operating Instructions	Operating Instructions
Operating Pressure	25 psig (1,7 bar)
Operating Temperature Range	32 to 120°F (0 to 48°C)
Orifice	0.009" Orifice
Poppet Travel	0.007" (0.2 mm)
Porting	#10-32
Ports	ENG Female (In-Line)
Price	79.15
Product Line Brochure	Proportional Valves
Unit	Imperial
Voltage	5 VDC
Wattage	1.9 Watts at 73°F (23°C), 2.4 Watts Max
Weight (lbs.)	0.1700


OUT


exhaust
1.560
NI
OUT


#10-32 thd.
inlet
#6-32 thd. -7/32 deep
mounting holes
#10-32 [M5] thd.
outlet
0.250
(6.4)
0.500
(12.7)
0.875 (22.2)
1.388 (35.3)