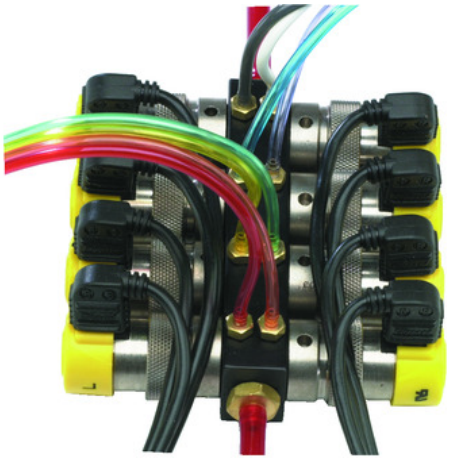
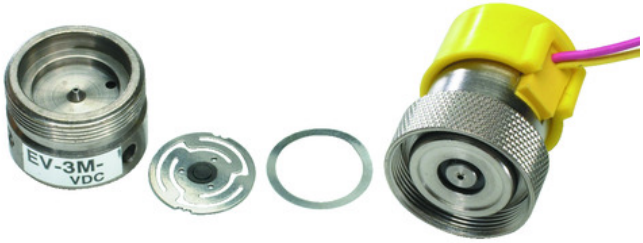
EV Electronic Valves

ETO-3-24-L

Clippard's original EV series valve design is a deceptively simple arrangement featuring a remarkably quiet, low power operation. The Clippard "spider" armature spring is the only moving part, and its motion to operate the valve is a mere 0.007" travel. As a result, this valve features an exceptionally long life—proven to last more than 1,000,000,000+ cycles! Low voltage DC inputs move the spider, generating extremely fast response times of 5 to 10 milliseconds while using only 0.67 watts of power. The EV series is cool running and its compact, lightweight design makes it easy to mount in small spaces.

2D Drawings	2D Files
Accessories	Installation Socket Torque Tool 30215
Coil Resistance	864
Connection	Spade Terminal, 0.110"
Connector	ET-C48 or ET-C120 or 3831-1-PKG
Current	0.028A
Cycles	Over 1 Billion
Data Sheet	Standard, N.O. Manifold
Filtration	40 micron (recommended)
Function	3-Way Universally Ported
Leak Rate	0.1 sccm
Material, Seals	Nitrile
Material, Spring	Nickel Alloy
Material, Wetted	ENP brass, nickel alloy, stainless steel, ENP steel
Max PSI	105 (7.2 bar)
Medium	Clean, Dry Air and Compatible Liquids and Gases
Mount	In-Line
Mounting	#6-32 Thread
Operating Pressure	50 psig (14 l/min @ 50 psig)
Operating Temperature Range	30 - 180 F
Operating Voltage Range	90 to 150%
Poppet Travel	0.007"
Port Size	#10-32 Female In-Line
Product Line Brochure	Spider Valves
Response Time	5 to 10 milliseconds (nominal)
Type	Standard
Unit	Imperial
Voltage	24 VDC
Wattage	0.67 Watts (nominal)
Weight (lbs.)	0.1700




EV-3M-
VDC