



## EV Electronic Valves

### O-ECO-3M-12-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.

<b>2D Drawings</b>	<a href="#">2D Files</a>
<b>Accessories</b>	Installation Socket Torque Tool <a href="#">30215</a>
<b>Coil Resistance</b>	218
<b>Connection</b>	Terminal Pin, 0.025"
<b>Connector</b>	<a href="#">C2-RB18</a>
<b>Current</b>	0.05A
<b>Cycles</b>	Over 1 Billion
<b>Data Sheets</b>	<a href="#">Standard</a> , <a href="#">High Pressure</a> , <a href="#">Oxygen Clean</a> , <a href="#">Analytical</a> , <a href="#">Corrosion-Resistant</a> , <a href="#">N.O. Manifold</a>
<b>Filtration</b>	40 micron (recommended)
<b>Function</b>	3-Way Universally Ported
<b>Leak Rate</b>	0.1 sccm
<b>Length</b>	1.810
<b>Manifolds</b>	<a href="#">Single &amp; Multi-Station</a> , <a href="#">Specialized</a>
<b>Material, Seals</b>	FKM (O2 Clean/Analytical)
<b>Material, Spring</b>	Nickel Alloy
<b>Material, Wetted</b>	ENP brass, nickel alloy, stainless steel, ENP steel
<b>Max PSI</b>	105 (7.2 bar)
<b>Medium</b>	Clean, Dry Air and Compatible Liquids and Gases
<b>Mount</b>	Manifold
<b>Operating Pressure</b>	50 psig (14 l/min @ 50 psig)
<b>Operating Temperature Range</b>	32 to 180°F (0 to 82°C)
<b>Operating Voltage Range</b>	90 to 150%
<b>Poppet Travel</b>	0.007"
<b>Product Line Brochure</b>	<a href="#">Spider Valves</a>
<b>Response Time</b>	5 to 10 milliseconds (nominal)
<b>Type</b>	Oxygen Clean
<b>Unit</b>	Imperial
<b>Voltage</b>	12 VDC
<b>Wattage</b>	0.67 Watts (nominal)
<b>Weight (lbs.)</b>	0.1700
<b>Wire Connector</b>	AMP #103959-1

