

## EV Electronic Valves

### A-EW-3M-24-H



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
<b>Accessories</b>	Installation Socket Torque Tool <a href="#">30215</a>
<b>Coil Resistance</b>	864
<b>Connection</b>	Wire Leads Top (Axial), 18"
<b>Current</b>	0.028A
<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.</a> , <a href="#">Manifold</a>
<b>Filtration</b>	40 micron (recommended)
<b>Function</b>	3-Way Normally-Closed
<b>Leak Rate</b>	0.1 sccm
<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 & Compatible Gases
<b>Mount</b>	Manifold
<b>Operating Pressure</b>	25 psig (12 l/min @ 25 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>	Analytical
<b>Unit</b>	Imperial
<b>Voltage</b>	24 VDC
<b>Wattage</b>	0.67 Watts (nominal)
<b>Weight (lbs.)</b>	0.1700
<b>Wire Size</b>	26 Gauge

