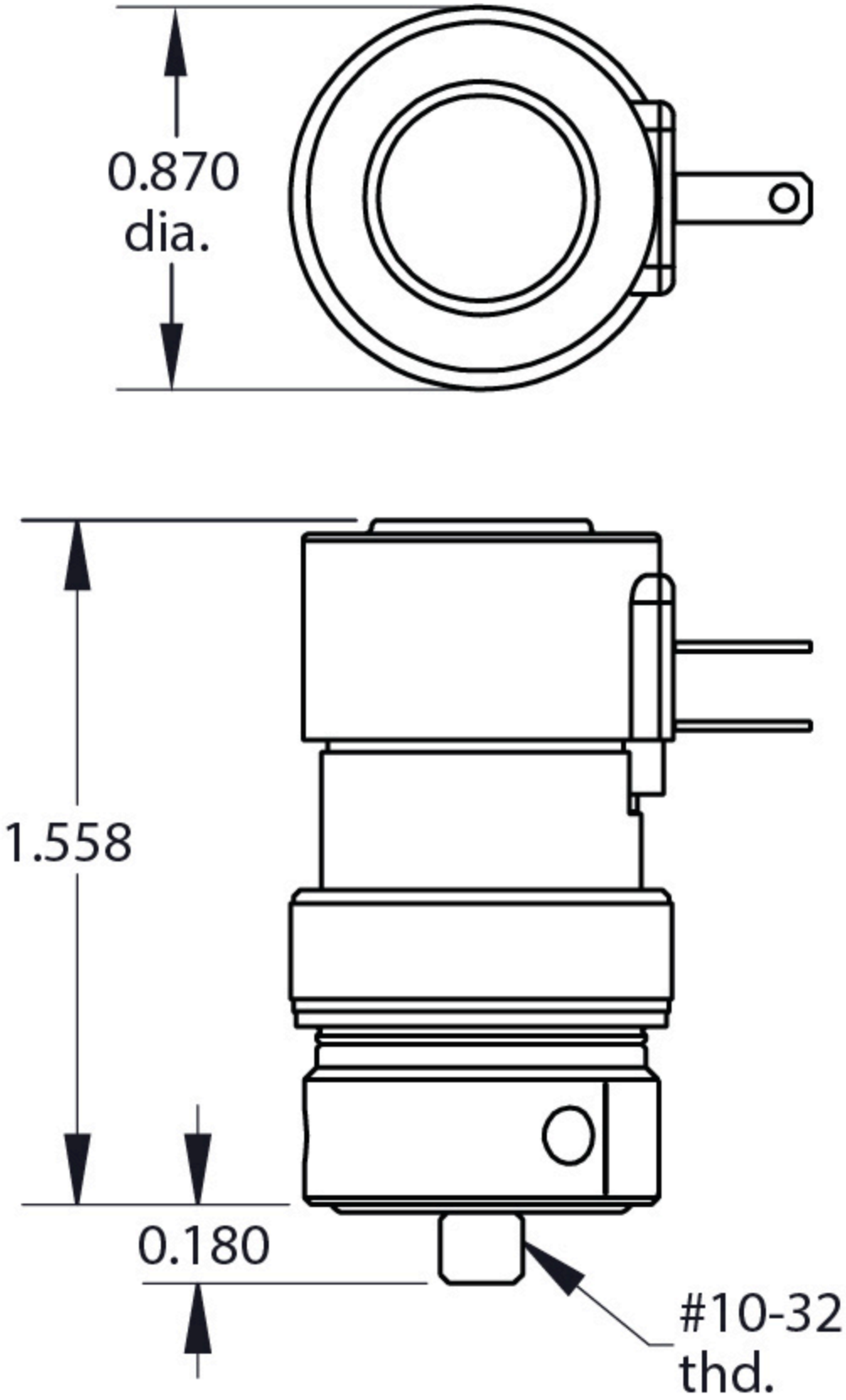
EV Electronic Valves

M-EHV-2M-12-J

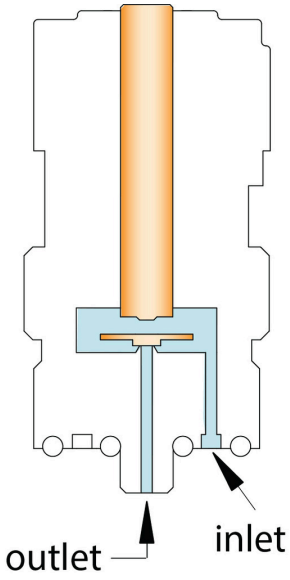


Clippard's original EV series valve design is a deceptively simple arrangement featuring a remarkably quiet, low power operation. The Clippard "spider" armature spring is the only moving part, and its motion to operate the valve is a mere 0.007" travel. As a result, this valve features an exceptionally 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.

Accessories	Installation Torque Socket, Manifold Plug
Coil Resistance	218
Connection	Wire Leads Side (Radial), 18"
Current	0.05A
Data Sheet	Standard, N.O. Manifold
Data Sheet, Series	High Pressure Data Sheet (Metric)
Filtration	40 micron (recommended)
Flow Direction	High-pressure models are factory-configured for reverse-flow orientation relative to standard configuration. The valve allows flow in both directions during actuation. When closed, outlet pressure must remain lower than inlet pressure to prevent unintended valve opening.
Function	2-Way Normally-Closed
Leak Rate	0.1 sccm
Manifolds	Single & Multi-Station, Specialized
Material, Seals	Nitrile
Material, Spring	Nickel Alloy
Material, Wetted	ENP brass, nickel alloy, stainless steel, ENP steel
Max PSI	500 (34.5 bar)
Medium	Clean, Dry Air and Compatible Liquids and Gases
Mount	Manifold
Operating Pressure	500 psig (12 l/min @ 500 psig)
Operating Temperature Range	32 to 180°F (0 to 82°C)
Operating Voltage Range	90 to 150%
Product Line Brochure	Spider Valves
Response Time	5 to 10 milliseconds (nominal)
Type	High Pressure
Unit	Metric
Voltage	12 VDC
Wattage	0.67 Watts (nominal)
Weight (lbs.)	0.1700
Wire Size	26 Gauge


0.870
dia.
1.558
0.180
#10-32
thd.
0.215




outlet
inlet

