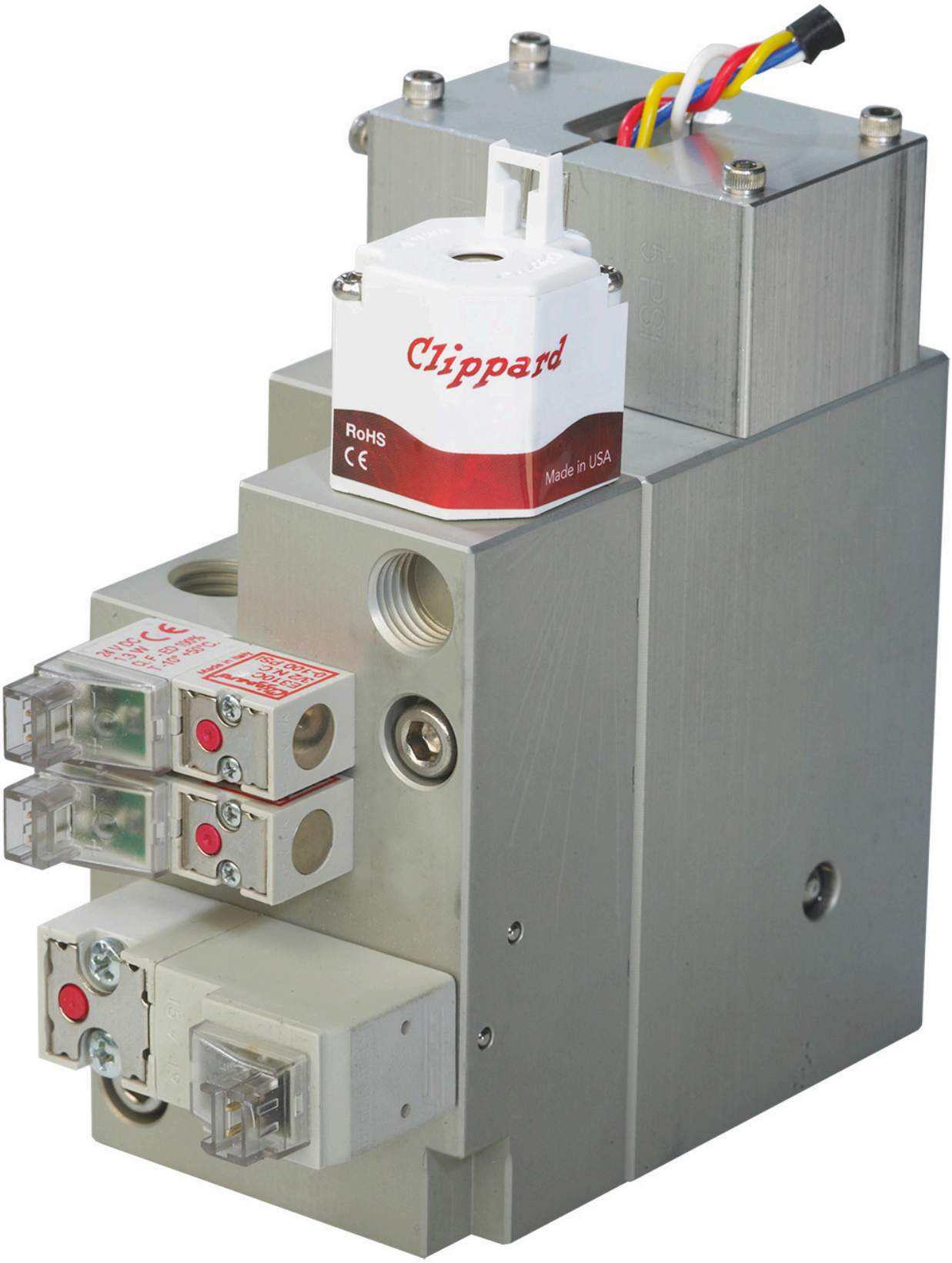
ES Electronic Valves

M-ES-3W-12

The ES series features large cross sectional o-rings, minimal leak points, and proven poppet designs. All mounting hardware is outside of the flow path for the ES, and no internal parts are threaded during assembly to reduce the possibility of contamination. The ES has the best performance-to-price ratio for low leak valves.

2D File	File
Accessories	Wire Lead Connector, 18" (457 mm) C3-RXB18, Cover for Unused Manifold Station ESM-CP
Coil Resistance	144 Ω
Connection	Wire Leads, Side (Radial), 18"
Current	0.083 Amp
Cycle	Over 1 Billion
Data Sheet	Data Sheet
Filtration	40 micron (recommended)
Function	3-Way Normally-Closed
Leak Rate	0.01 sccm
Manifolds	Manifolds, Cover Plate
Material, Body	ENP Carbon Steel, Nickel Iron Alloy, 300 Series Stainless Steel, Glass-Filled Nylon Housing
Material, Seals	Nitrile
Material, Spring	Nickel Alloy
Max. psig	105 psig (7 bar)
Medium	Clean, Dry Air and Compatible Gases
Mount	Manifold
Number of Ports	3
Operating Pressure	28" Hg Vac. to 105 psig
Operating Temperature Range	32 to 150°F (0 to 66°C)
Orifice	0.025" (105 psig max)
Port, Exhaust	M5
Port, Inlet	No Thread
Port, Outlet	No Thread
Product Line Brochure	Spider Valves
Response Time	5 to 10 ms (nominal)
Thread	M3 (torque to 1-3 in-lb.)
Unit	Metric
Voltage	12 VDC
Voltage Operating Range	90 to 120% of Rated Voltage
Wattage	1 Watt at Rated Voltage
Weight (lbs.)	0.0850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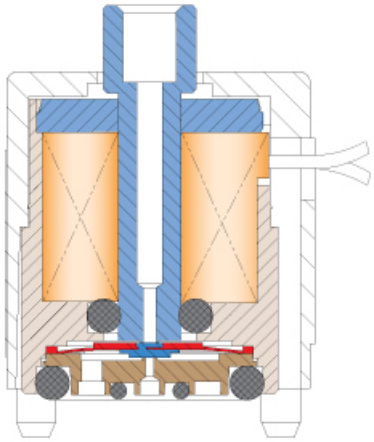

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