

Clippard

Analytical Series Electronic Solenoid Valves



Medium: Clean, dry air or non-corrosive gas (40 micron filter)

Power Consumption: 0.67 watt

Temperature Range: 32 to 180°F (0 to 82°C)

Response: 5 to 10 milliseconds (nominal)

Operating Range: 90 to 150% of rated voltage

Voltage: 12 or 24 VDC

Mounting: Manifold only

Clippard Minimatic electronic valves are precision-built 2-way or 3-way control valves, utilizing a unique, patented valving principle. There are no sliding parts. Complete poppet travel is a mere 0.007". As a result, low power consumption, quiet operation and exceptionally long life are major benefits of this design.

The Analytical Series Valve (A-) combines the proven features of Clippard's "Mouse" series with the specific needs of the analytical industry, and for applications where cleanliness is especially important. Special materials, manufacturing and assembly processes make this valve perfectly-suited for applications where internal cleanliness, bubble-tight operation, and long life are imperative.

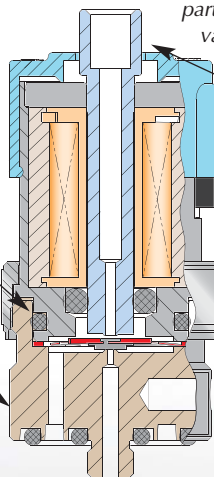
- Industry standard for leak-free operation
- 1,000,000,000 cycles
- Design flexibility and fast response
- Low heat rise/low power
- Enhanced cleaning procedures

For additional valve specifications and order information, visit www.clippard.com or request a full-line catalog.



Larger cross section O-ring improves sealing

One-piece base eliminates many leak points



Clippard's "spider" is the only moving part and its motion to operate the valve is a mere 0.007" travel!

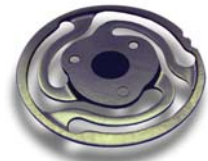
Integral fitting eliminates many leak points

No anaerobic sealant used

Electroless nickel-plated steel housing and core FKM seals standard

Cleaned per Clippard Standard ES-3.43

(see details at www.clippard.com/analytical)

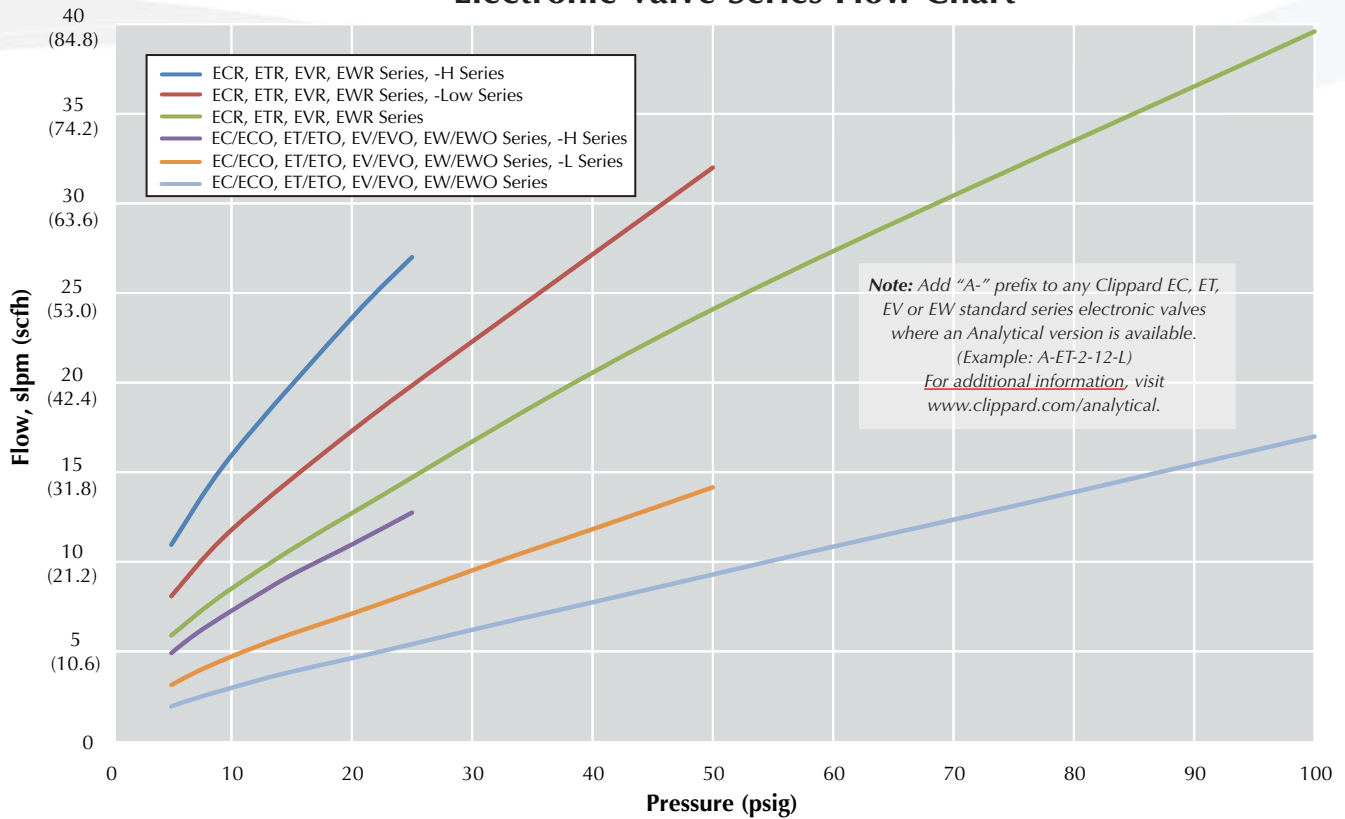


One-piece base and one-piece core combine with specific design enhancements to create the "industry standard for leak-free operation" in analytical and other scientific applications. Coil housing o-ring cross sections are also increased from Clippard's standard valve to add compression to these static seals. Elastomeric seals undergo special procedure for outgassing. These features and the removal of all anaerobic sealants and grease in the assembly process result in a valve uniquely suited for gas analytical systems and any application where leakage is a vital concern.

Clippard Instrument Laboratory, Inc.

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Technical Data Bulletin 4.12

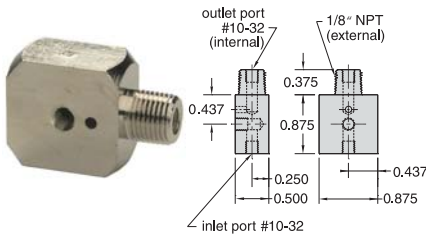
Electronic Valve Series Flow Chart



Manifolds

Single Outlet

#10-32 Inlet; 1/8" NPT Outlet



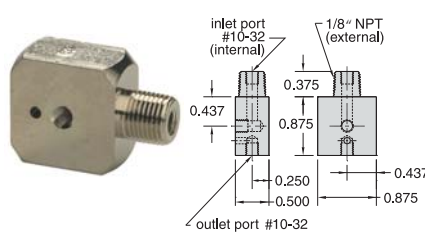
Material: ENP brass

Part No.

15490-1 Single Outlet Manifold

Single Outlet

1/8" NPT Inlet; #10-32 Outlet

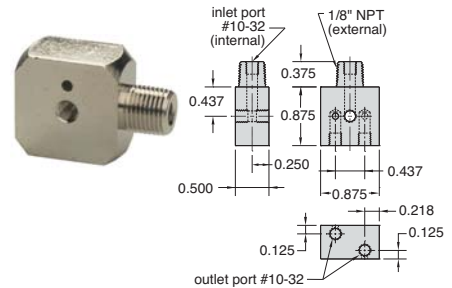


Part No.

15490-2 Single Outlet Manifold

Dual Outlet

1/8" NPT Inlet; #10-32 Outlet



Part No.

15490-3 Dual Outlet Manifold

Distributed by:



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