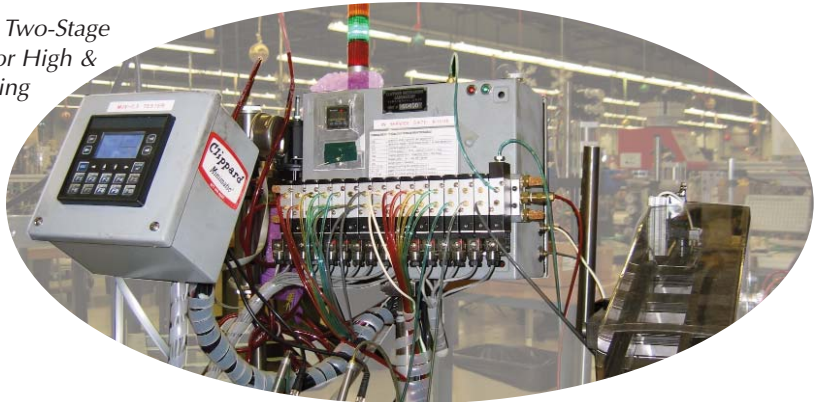


pneumatic solutions

A leak is defined as an unintended passageway that enables fluid to escape plumbing, a component or a system. There are a number of methods used to detect leaks such as pressure decay, mass flow, bubble, sniffing and vacuum.

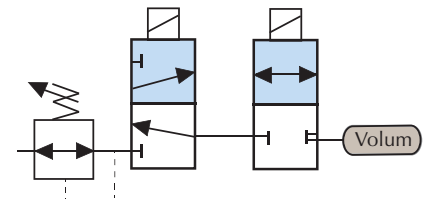
Clippard utilizes pressure decay technology, and integrates automatic leak testing circuitry into our assembly equipment. We use our EV/ET, EGV, DV and EM series electronic valves to fill and hold pressure because they are bubble tight, do not generate heat, and have a billion cycle life expectancy. The Analytical series has been designed specifically to reduce and limit potential leak paths within the valve.

Clippard Two-Stage System for High & Low Testing



For reliable, accurate leak test equipment designs, Clippard provides:

- High flow valves capable of filling large volumes quickly
- Built-in pneumatic circuits that automatically switch leak tests from one side of a part to another
- Optimized systems for multiple test pressure requirements, etc.
- Custom assemblies including valves, cylinders, regulators, fittings and more.



Clippard has a long history of successfully partnering with progressive companies in the design and development of innovative pneumatic solutions for both portable and stationary leak detection equipment.

Clippard's miniature valves, actuators, fittings and regulators are ideal for these types of applications.

Clippard Electronic Valves feature:

- Billions of life cycles
- Industry standard for leak-free operation
- Flow rates to 100 l/min @ 100 psig
- Fast response and low power
- Low heat rise
- Quiet operation
- Multiple seal options

Contact Clippard today to see how our engineering and application expertise can assist in the development of efficient, compact pneumatic assemblies for your next leak test application.

Clippard

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877-245-6247 • www.clippard.com

pneumatic solutions

leak detection
relevant products



NEW DV Series High Flow Electronic Valves

These exciting new 2-way valves provide **10 times** the flow of Clippard's proven EV/ET/EC/EW series with an impressive 100 lpm @ 100 psig rate! In addition, small size, low power and stainless steel construction are also excellent features for medical environments.



EM Stud Mount Electronic Valves

At just over an inch tall, Clippard's EM valves feature a proven design, with high flow rates (0.55 to 0.75 scfm), fast shifting speed and extremely high cycle life, making this valve a "small wonder" for air and/or gas control, pilot control, and medical applications where space is limited, but performance is not.



NEW EGV Series High Flow Poppet Valves

Clippard's EGV valves are electronically piloted versions of the GV series, and are ideal for large flow, low leak applications. Available in 1/8" NPT and manifold mount, they utilize Clippard's 10 mm or 15 mm valves. These 2- and 3-way valves provide 10 times more flow than Clippard's MAV series and 2.5 times more flow than the MJV series!



Hose Barb Fittings

Minimatic[®] slip-on fittings provide a flexible, easy alternative to ferrule and push-to-connect fittings. Designed for use with flexible urethane hose, the compact design of the fittings are ideal for medical pneumatic applications where convenience and size are considerations. Multiple configurations for every need are available.



EV/ET/EC/EW Electronic Valves

The E Series pneumatic valves are precision-built 2- or 3-way control valves utilizing a unique, patented valving system. These valves are quiet, quick and produce consistent results. They accept low voltage and current signals, and convert them into high pressure pneumatic outputs. The small size makes them ideal for medical equipment applications.

Analytical Series Electronic Valves

The Analytical series valve 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.



MAV Control Valves

Clippard MAV series control valves are available in 2-, 3-, or 4-way functions; #10-32 and 1/8" NPT ports; and for pressures to 300 psig. They are available in various mounting styles. A variety of actuators may be attached to the valves such as manual push buttons or pilot actuators. See www.clippard.com for more details.



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Hose & Tubing