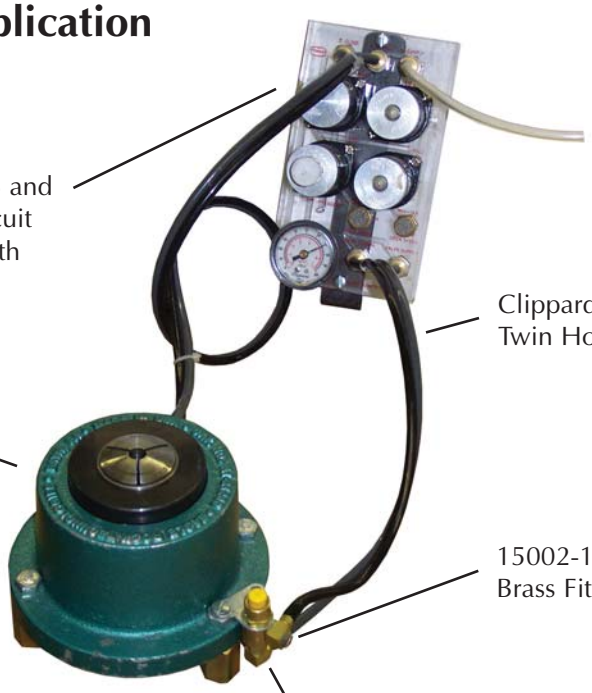
Pneumatic Clamping Circuit Application



Acrylic Circuit Board CM-08 and Clippard Modular Valve Circuit for Binary Clamp Control with Adjustable Clamp Pressure

Clippard Polyurethane Twin Hose

Pneumatic Collet Closer

15002-1 Universal Brass Fitting

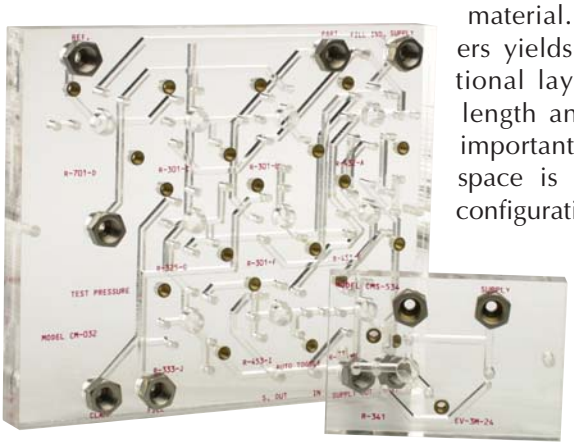
Clippard MAV-3 Limit Valve with PC-1Y Push Button

This CM-08 complete package uses an R-401, R-412, R-451, R-701 and a PG-100 to provide single button opening/closing of the collett vise allowing precise pressure adjustments.

Custom Pneumatic Circuit Boards Special Features

Clippard pneumatic circuit boards can be custom-made. Once established, you can depend on your circuit's interconnections to be identical every time.

Component identification is silk-screened on the acrylic board surface for convenience. Each input, output and modular valve is identified to assure proper assembly. Completed circuits may be visually inspected to confirm proper component placement.



Every circuit board uses the exclusive (patented) Clippard "octoport" system to provide standard porting as pioneered throughout Clippard modular valves. Valves are held snugly to the circuit board by two captivated screws furnished with each modular valve. Valve module mounting screw holes are threaded brass inserts for extra strength. Changing valves takes less than a minute. Any valve module may be easily removed without disturbing the other modules, or affecting the circuit interconnections. Use any number of Clippard plug-in valves and controls.

Sophisticated pneumatic circuitry becomes simple to assemble and install using custom pneumatic circuit boards.

Thickness of the pneumatic circuit board subplate is determined by circuit complexity. Greater number of interconnection crossovers requires additional layers of material. The lowest number of plastic layers yields the lowest cost. However, additional layers may be utilized to minimize length and width of the circuit board, an important consideration where mounting space is restricted. Standard circuit board configuration is with all components and connections on the top of the circuit board.

In addition to Clippard modular control valves, the Clippard EV and ET series of electronic interface valves may be mounted on the circuit boards to function as a part of the control circuit. These electronic valves are actuated by 6, 12, & 24 VDC, drawing a low 0.67 watts. They are cool running and fast acting.