

## PNEUMATIC CIRCUIT BOARD SELECTION GUIDE



CM-01	Circuit Analyzer	CM-024	Sequencing Circuit, 5 step
CM-02	Adapter Manifold, 1/8" NPT	CM-025	Sequencing Circuit, 2 step
CM-03	Binary Circuit	CM-026	Sequencing Circuit, 3 step
CM-04	Adapter Manifold, #10-32 Single	CM-027	Sequencing Circuit, 1 step
CM-05	Adapter Manifold, #10-32 Dual Ports	CM-028	Oscillator, Double Acting
CM-06	Auto Cycling	CM-030	Auto Cycling, Input / Output Flexibility
CM-07	R-471 / R-481 Manifold, Single	CM-031	Auto Cycling, Enhanced Flexibility
CM-08	Binary Clamp Control	CM-033	Auto Cycling Control for External Power Valve
CM-010	Double Electronically Piloted Valve	CM-034	Latching Circuit For Two Hand No Tie Down
CM-011	Oscillator, Single Output	CM-035	Sequencing Circuit, 4 step
CM-016	4 Valve Manifold, 4-Way	CM-036	Adapter Manifold, 2 Valves
CM-018	Double Electronically Piloted Valve, Closed Center	CM-037	Adapter Manifold, 3 Valves
CM-019	R-471 / R-481 Manifold, 4 Valves	CM-038	Two Hand No Tie Down with Latch Circuit
CM-020	R-471 / R-481 Manifold, 6 Valves		
CM-023	Two Hand No Tie Down		



## PNEUMATIC CIRCUIT BOARDS

### FEATURES & BENEFITS

#### Circuit Boards and Clippard Modular Components

Clippard clear acrylic pneumatic circuit boards are designed to provide a compact and highly efficient pneumatic control system, with the use of Clippard modular components and other Clippard products.

Many valving systems require a considerable amount of piping, tubing and fittings to create the necessary circuitry. The piping originates beneath the valve and often needs extra space and clearance to complete. The acrylic circuit board provides a place to mount the components and easy methods to hook-up the circuit, generally on the top side of the circuit board. For a single circuit the original assembly method can be the best direction to take... but where a number of identical circuits are prepared, the acrylic circuit board technology offers a series of distinct advantages.



In addition to the Clippard modular line of products, the circuit boards also accommodate Clippard EV/ET manifold mount valves, and many other valves, gauges, mufflers, as well as hose barb fittings. The combination of Clippard pneumatic circuit boards, valves, fittings, and accessory items can provide a complete pneumatic circuit system with the knowledge of dependability and success.



#### FEATURES

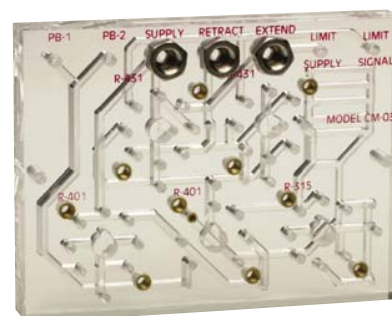
- Custom-made pneumatic circuit boards hold all components
- Simplifies assembly
- Reduces piping
- Helps assure accuracy of connections
- Component I.D. silk-screened on subplate surface
- Inputs and outputs clearly marked
- Threaded brass inserts hold components securely
- Change valves quickly without affecting connections
- Use any number of components
- Makes sophisticated circuitry manageable
- Circuit boards also accept Clippard electronic interface valves
- Saves assembly costs

## Pneumatic Circuit Boards

This section provides detailed information about a series of circuit boards for popular uses. These range from the very simple single-module circuit, to more complex multi-step sequencing circuits using pneumatic control to automate machine or process cycles. The descriptive materials include photographs, dimensional drawings, circuit diagrams where applicable, lists of products required, and descriptions of the function of the circuit.

The circuit boards included in our price list are maintained in stock with our distributors and/or in our finished goods inventory at our factory. They are available for fast delivery.

For assistance in selecting a circuit board to suit your use, ask your local Clippard distributor to discuss your application.



## Custom Pneumatic Circuit Boards

You can have a faster, more dependable way to produce multiples of the same pneumatic circuit . . . a system that enables you to speed circuit assembly while assuring accurate hookups.

Using Clippard modular components, valves and controls mounted on a custom circuit board, you get the same circuit time after time.

Assembly time and effort are reduced. A large number of parts, fittings, and lengths of tubing are no longer needed. The resulting circuit is compact, neat in appearance, and

can be easily mounted for permanent installation. No more "haywire" plumbing. Piping errors are eliminated, and an efficient, dependable, and attractive control results.

Each custom circuit board is individually produced with the same high quality standards associated with the Clippard name. By utilizing Clippard's unique manufacturing process, these clear acrylic units provide sealed internal passageways between valves without the need for gaskets, clamps, or piping.

Sizes and dimensions will vary according to your application. By adapting your control requirements to the versatility of Clippard Modular Valves, your Clippard distributor can provide you with detailed application information.

To complete your pneumatic control, just plug in the modular valves and tighten the two captivated screws on each valve. Connect inputs and outputs to the circuit board and the circuit is ready to run. It's the fastest most efficient circuit system available.

