



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.



Alternate Valve Configurations for Pneumatic Modules

In order to gain maximum functionality of these circuits, Clippard provides alternate valves that alter the characteristic of the circuit.

In general:

As an alternate valve to the [R-402](#), the [R-412](#) provides automatic reset function. When supply air is removed from the [R-412](#), a reset spring positions the valve element so that when the air is re-applied, the actuator will go to its “home” position.

The [VA-06](#), [VA-031](#) and [VA-033](#) pneumatic modules sense pressure decay when the actuator stops moving. The standard valve for sensing this stop is the [R-305](#). The use of an [R-301](#) speeds up the end of stroke turnaround time enabling a faster cycle rate. The [R-343](#) is a time delay which increases the dwell time before the actuator reverses direction.

If any of the above alterations to these circuits are desired, individual components may be selected from the “Bill of Materials” listed on each page. For more information, or a more detailed description of these options, please contact Clippard for assistance.