



Valve Bank Eliminates Components Saving Money & Space

Challenge:

A manufacturer of laboratory testing equipment requested a dual feed valve that would enable them to disconnect either input without disrupting media flow. Their existing circuit was difficult to assemble, had several potential leak points and occupied a large amount of space in their equipment.

Requirements:

- Meet specific flow and pressure requirements
- “Clean up” the circuit
- Speed component installation
- Accommodate dual input functionality
- Ability to disconnect one input without disrupting flow

Solution:

Pneumadyne engineers developed a valve bank which incorporates four detented toggle valves and two check valves to accommodate the customer’s function requirements. Consolidating components into one block:

- Eliminates numerous fittings and cut tube lengths, thereby, decreasing the number of potential leak points in the circuit
- Provides plumbing convenience and eases installation
- Requires less space in the test equipment
- Improves the overall appearance of the circuit

Pneumadyne also laser engraved the block for valve identification purposes.

Benefits:

- **Eliminated unnecessary components saving customer money and space**
- **Dual input functionality**
- **Improved aesthetics**

Other Applications:

- **Manufacturing**
- **Conveying**
- **Assembly**



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