



Other Applications:

- > Food Processing
- > Filling/Dispensing
- > Bottling



Liquid Pump Control Saves Time, Money and Energy

Challenge:

A manufacturer of liquid pump controls contacted Pneumadyne to re-design their pneumatic circuit. Their existing equipment consisted of numerous fittings, ball valves and individual components which were difficult and time-consuming to assemble and resulted in multiple potential leak-points.

Requirements:

- > Reduce overall power consumption of the circuit
- > Meet specific high flow requirements
- > Regulate system pressure
- > Reduce the number of potential leak points
- > Isolate the individual circuits

Solution:

By integrating components, Pneumadyne Engineers were able to eliminate potential leak-points, improve the appearance of the circuit and reduce the customer's field assembly time and cost.

- > Valve blocks feature two of Pneumadyne's new C500 Pilot Operated Cartridge Valves
- > Shut-off blocks are included to isolate the circuitry
- > Filter/regulator

- > In-line pressure gauges provide constant input and output pressure reading
- > A surface mount regulator is integrated in the valve block and controls
- > Three output ports feature swivel push-to-connect elbows for tubing alignment purposes
- > Power consumption was reduced from 12 Watts by using a 1 Watt solenoid as a pilot to operate the internal cartridge valves

Benefits:

- > Single input port supplies pressure to all circuits
- > Modular design accommodates single, double, or triple circuits for customer's application
- > Reduced customer's assembly time and cost

For further information:

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