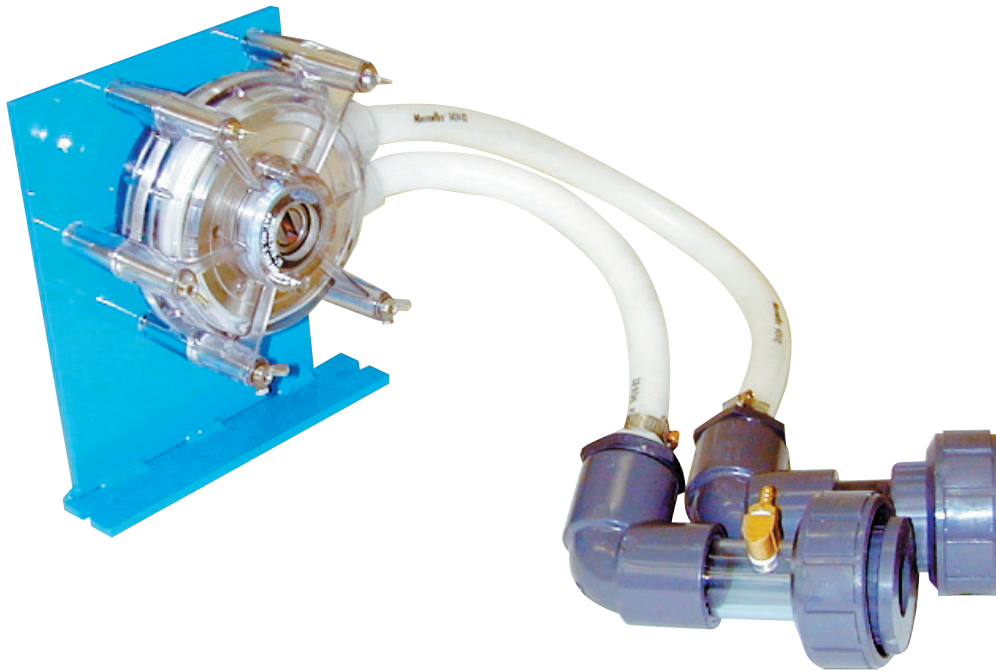


PERISTALTIC PUMP LEARNING SYSTEM

95-PM1-D



The Peristaltic Pump Learning System (95-PM1-D) covers the function, operation, and maintenance of peristaltic pumps, which are used in a variety of applications within the chemical, food, pharmaceutical, and biotechnological industries. This versatile pump keeps fluid uncontaminated as it moves through the system by utilizing a tubing system that prevents direct contact with the pump's working parts. As an example, peristaltic pumps are used to transfer acids, dyes, and paint. The 95-PM1-D also discusses peristaltic pump components, how to reduce pulsation, how to calculate and adjust the flow rate, and how to select proper tube sizes.

The 95-PM1-D features a foot-mounted peristaltic pump with polycarbonate housing and steel pump head, a maintenance key tool, and a piping network. The 95-PM1-D's industrial-grade components are the same as those used in the field, so learners will gain experience and practice on actual, real-world mechanisms.

Once completed, learners can proceed to additional pumps like the Piston Pump (95-PM1-E) and the Gear Pump (95-PM1-F). Piston pumps are used in water, soap, and detergent applications to produce high pressure fluid flow. Gear pumps transfer fluids under pressure and are used in hydraulic systems, pressure washing, and liquid recirculation.

TECHNICAL DATA

Peristaltic Pump

- Polycarbonate housing
- Steel pump head
- Foot mounting
- Max output pressure: 10 psig continuous, 20 psig intermittent, flow-2.8 GPM @ 1725 rpm

Maintenance Key Tool

Piping Network

- Pressure line, pressure tap for connection to instrumentation
- Suction line
- Pressure gauge hose

(B18614) Student Curriculum

Additional Required Items:

- See <http://www.amatrol.com/support/computer-requirements>
- (95-PM1) Centrifugal Pump Learning System

Learning Topics:

- Installation
- Operation
- Performance
- Selection
- Maintenance
- Troubleshooting
- Start Up
- Flow/Pressure Characteristics
- Minimizing Pulsation
- Calculating Flow Rate
- Disassembly and Inspection

CURRICULUM IS THE KEY TO LEARNING

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