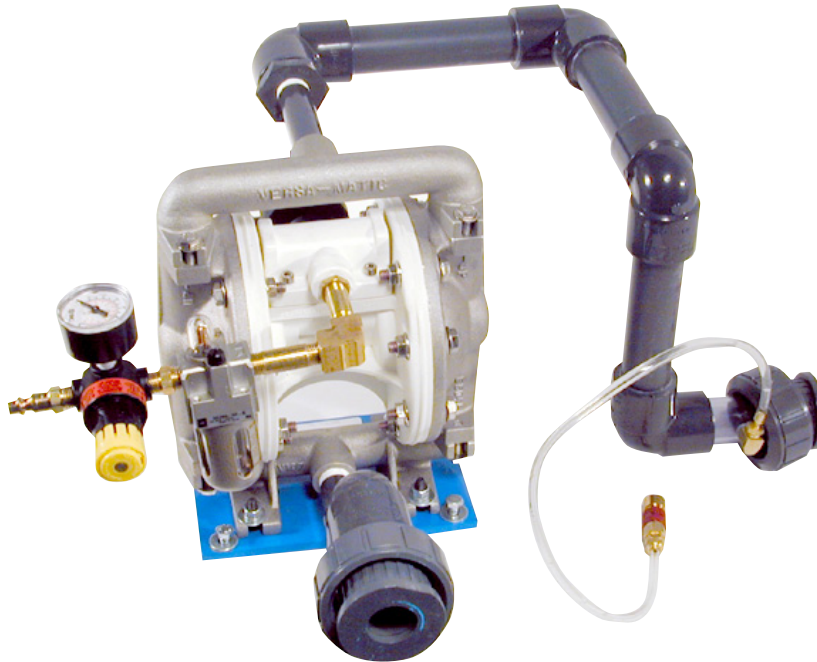


DIAPHRAGM PUMP LEARNING SYSTEM

95-PM1-C



The Diaphragm Pump Learning System (95-PM1-C) explains the function, operation, application, and variety of diaphragm pumps. Diaphragm pumps are used to transfer fluid that's too viscous, corrosive, abrasive, or hot for other types of pumps, making it a perfect choice for moving food products such as peanut butter, ink for the print industry, and pulp, paper, and petroleum products. The 95-PM1-C also explores how to adjust a diaphragm pump flow rate, how to select the right diaphragm pump for an application, and how to install, maintain, disassemble, and troubleshoot a diaphragm pump.

The 95-PM1-C features a foot-mounted, air-operated diaphragm pump, air regulator, air lubricator, pressure gauge (0-160 psig), air muffler, and piping network. These industrial-grade components will help to familiarize learners with actual mechanisms they'll work with on the job. This commitment to providing high quality components is why Amatrol is the world's leader in skills-based, interactive technical learning.

After completion, learners can proceed to additional pumps like the Peristaltic Pump (95-PM1-D) and Piston Pump (95-PM1-E). Peristaltic pumps, also known as tubing pumps, are used to transfer fluids that cannot come into contact with the working parts of the pump, either to avoid contamination of the fluid or because the fluid is too corrosive. Piston pumps, also known as plunger pumps, are used to produce high pressure fluid flow of water, soaps and detergents.

TECHNICAL DATA

Diaphragm Pump

- Die cast aluminum housing
- Double diaphragm design
- Foot mounting
- Air-operated
- Single stage design
- Max output pressure: 100 psig @ 100 psig inlet
- Flow: 12 GPM @ 100 psig inlet

Air Regulator

Air Lubricator

Pressure Gauge, 0-160 psig

Air Muffler

Piping Network

- PVC construction
- Connects to suction and pressure lines

B18613 Student Curriculum

Additional Required Items:

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

CURRICULUM IS THE KEY TO LEARNING

Learning Topics:

- Installation
- Function and Application
- Operation
- Selection and Sizing
- Maintenance
- Troubleshooting
- Flow/Pressure Characteristics
- Disassembly and Inspection

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