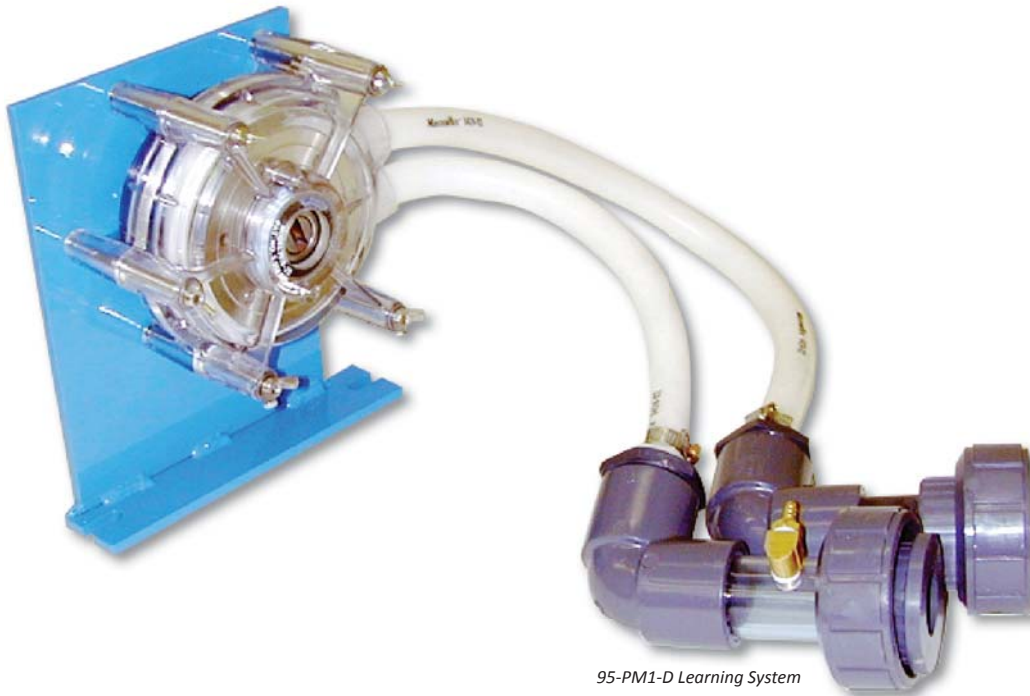
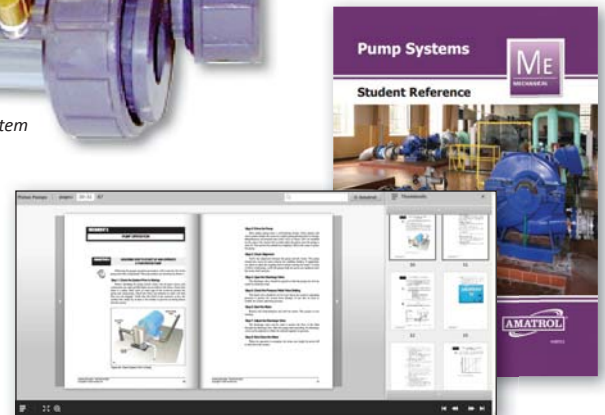


Peristaltic Pump Learning System

95-PM1-D



95-PM1-D Learning System



Optional Online eBook and Student Reference Guide

Learning Topics:

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

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 filter and circulate blood throughout the body during heart surgery. 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.



Technical Data

Complete technical specifications available upon request.

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

Student Curriculum (B18614)

Student Reference Guide (H19713)

Optional Online eBook (18614)

Additional Requirements:

- Centrifugal Pump Learning System (950-PM1)

Utilities

- Drawn from 950-PM1

Industrial Grade Components Providing Crucial Job Preparation

The Peristaltic Pump Learning System (95-PM1-D) provides learners training in installation, operation, application, performance and efficiency, and is offered as an additional learning system available to extend the capabilities of the Centrifugal Pump Learning System (950-PM1). The 95-PM1-D will also teach learners invaluable skills, such as peristaltic pump installation, application, operation, and troubleshooting; measurement and graphing of flow/pressure characteristics of a peristaltic pump; disassembly and inspection of a peristaltic pump, calculation of peristaltic pump flow rate, and more.



95-PM1-D Learning System

World-Class Hands-On Skills and Peristaltic Pump Curriculum

The Peristaltic Pump eBook will show learners how to install, maintain, troubleshoot, and disassemble a peristaltic pump. More specifically, learners will study the function, operation, and installation of a peristaltic pump, adjustment of flow rate, selection of a peristaltic pump for an application, maintenance of a peristaltic pump, and more. As an online option to the Learning Activity Packets (LAPs), Amatrol's eBooks look like a real book and allow users to flip between pages with ease.



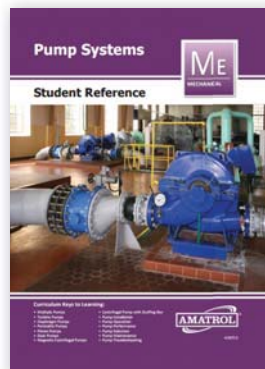
Optional
Online
eBook

Gain Even More Experience with Pumps

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.



95-PM1-F Learning System



Student Reference Guide

A sample copy of the Pump Learning System Student Reference Guide is included with the learning system. Sourced from the multimedia curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfect-bound book. If you would like to inquire about purchasing additional Student Reference Guides for your program, contact your local Amatrol Representative for more information.

