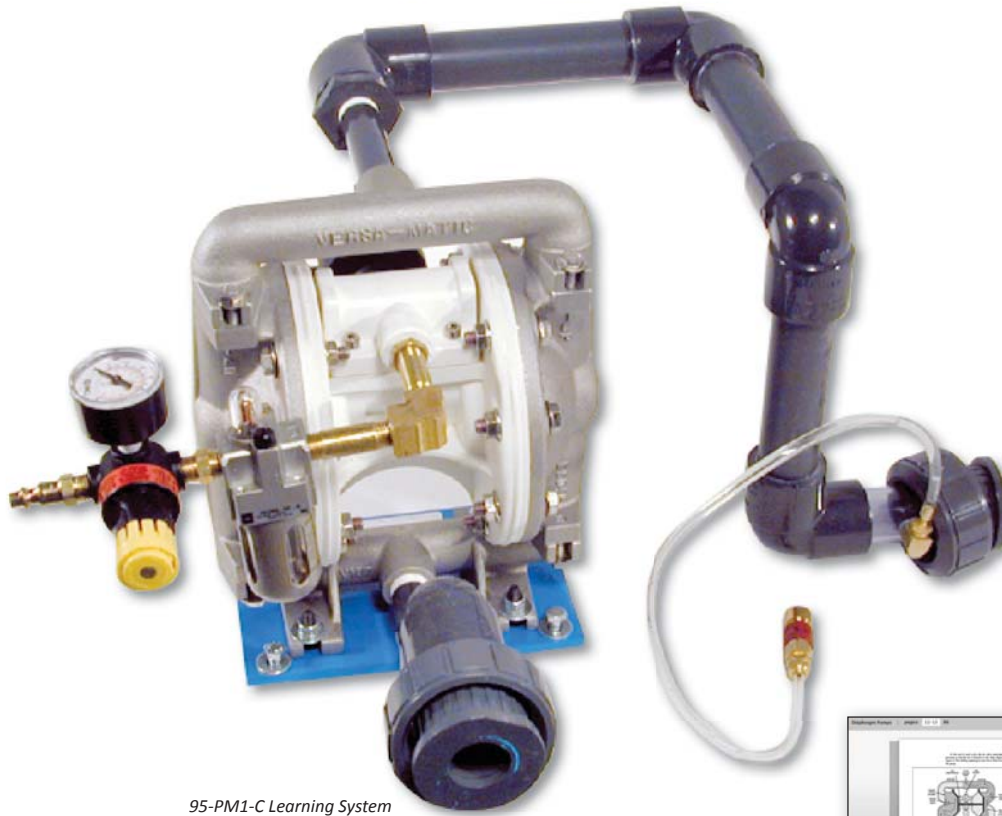


Diaphragm Pump Learning System

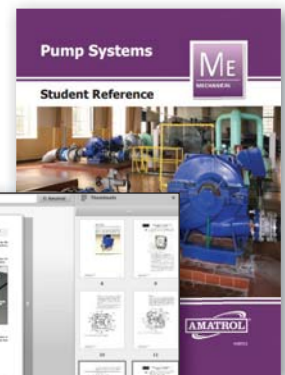
95-PM1-C

ME

MECHANICAL



95-PM1-C Learning System



Optional Online eBook and Student Reference Guide

Learning Topics:

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

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.



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:

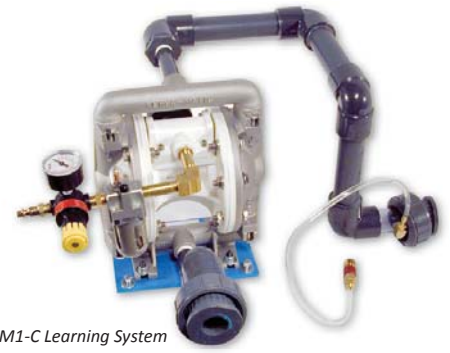
- Centrifugal Pump Learning System (950-PM1)

Utilities

- Drawn from 950-PM1

Industrial Grade Components Provide Real-World Training

The 95-PM1-C will teach learners invaluable skills, creating options for advanced pump systems training in installation, operation, selection and sizing, troubleshooting, disassembly and inspection, and more. Further, students will come to understand disassembly and inspection, as well as measurement and graphing of the flow/pressure characteristics of a diaphragm pump.



95-PM1-C Learning System

Vital Diaphragm Pump Skills and Concepts Throughout Amatrol's Curriculum

The Diaphragm Pump eBook will show learners how to install, maintain, troubleshoot, and disassemble a diaphragm pump. It will also advance learners' understanding of the varying uses and types of diaphragm pumps. More specifically, learners will study the function of and operation of a diaphragm pump, the installation, start up, maintenance and troubleshooting of a diaphragm pump. 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.



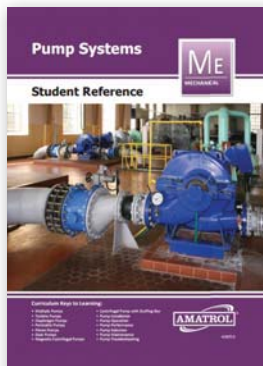
Optional
Online
eBook

Additional Add-On Pumps Available

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.



95-PM1-E 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.

