

Piston Pump Learning System

95-PM1-E



95-PM1-E Learning System

Optional Online eBook and Student Reference Guide

Learning Topics:

- Installation
- Function
- Operation
- Performance
- Maintenance
- Troubleshooting
- Flow/Pressure Characteristics
- Theoretical and Actual Flow Rate

The Piston Pump Learning System (95-PM1-E) provides learners with an in-depth overview of the piston pump, which has been in use longer than any other type of pump. The piston pump produces high pressure fluid flow of water, soaps and detergents in various applications within the aerospace, marine, agriculture, and auto industries. Within the world-class curriculum, learners will study set-up, operation, flow/pressure characteristics, maintenance, and troubleshooting for this highly efficient pump. Learners will also study how to connect the pump to a motor, how to adjust the flow rate, and how to calculate theoretical and actual flow rates.

The 95-PM1-E consists of a piston pump with cast iron housing, twin piston design, and torque arm mounting, a relief valve, and a piping network. This industrial-grade equipment is an example of Amatrol's commitment to providing top-notch components and curriculum that allows learners to gain both a theoretical background and hands-on practice in their chosen course.



Technical Data

Complete technical specifications available upon request.

Piston Pump:

Cast Iron Housing
Twin Piston design
Torque Arm Mounting
Max: Rated Pressure: 550 psig
Flow: 2.9 GPM @ 1725 rpm

Relief Valve

50-175 psig

Student Curriculum (B18615)

Student Reference Guide (H19713)

Optional Online eBook (E18615)

Additional Requirements:

Centrifugal Pump Learning System (950-PM1)

Utilities

Drawn from 950-PM1

Piston Pump Training for Real-World Applications

Creating options for advanced pump systems training in installation, operation, performance, maintenance, troubleshooting, disassembly, and more, the Piston Pump Learning System (95-PM1-E) is offered as an additional learning system available to extend the capabilities of the Centrifugal Pump Learning System (950-PM1). The 95-PM1-E will also teach learners invaluable skills, such as installation, operation, troubleshooting, disassembly and inspection of a piston pump, as well as measurement and graphing of the flow/pressure characteristics of a piston pump, and more.



95-PM1-E Learning System

Stellar Curriculum Provides Crucial Piston Pump Skills

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



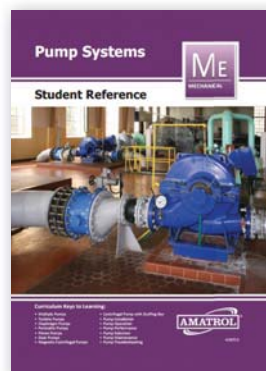
Optional
Online
eBook

Amatrol Provides World-Class Add-Ons

After completing the 95-PM1-E curriculum, learners can expand their education to pumps like the Gear Pump (95-PM1-F) and the Magnetic Pump (95-PM1-G). Gear pumps transfer fluids under pressure and are used in hydraulic systems, pressure washing, and liquid recirculation. Magnetic pumps use a magnetic coupling between the drive shaft and the impeller wheel that prevents fluid from coming into contact with the working parts of the pump.



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.

