

PISTON PUMP LEARNING SYSTEM

95-PM1-E



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.

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.

CURRICULUM IS THE KEY TO LEARNING

Learning Topics:

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

TECHNICAL DATA

Piston Pump

- Cast Iron Housing
- Twin Piston design
- Torque Arm Mounting
- Max Rated Pressure: 500 psig
- Flow: 2.9 GPM @ 1725 rpm

Relief Valve

- 50-175 psig

Piping Network

(18615) Student Curriculum

Additional Required Items:

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

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