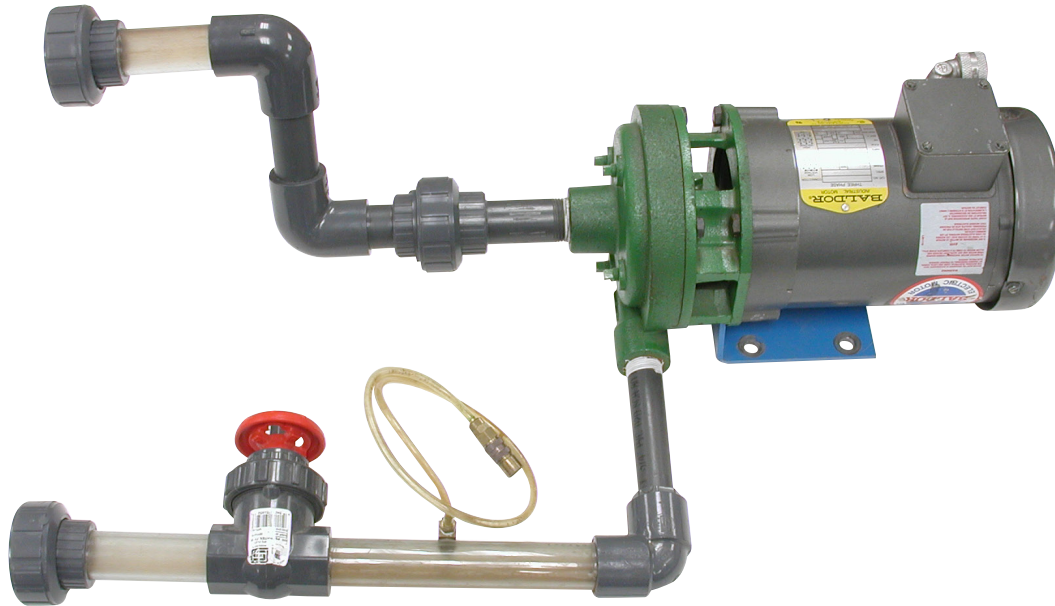


MULTIPLE PUMP LEARNING SYSTEM

95-PM1-A



Amatrol's Multiple Pump Learning System (95-PM1-A) adds onto the 950-PM1 by including an additional centrifugal pump and electric motor, which allows learners to study the functions and real world applications of series and parallel pumps. The 95-PM1-A presents practical skills such as installing and operating series and parallel pumps with theoretical knowledge like measuring and graphing flow/pressure characteristics and calculating pump efficiency.

The 95-PM1-A includes an industrial-grade, close-mount centrifugal pump/ electric motor and a piping network. By supplying real-world components, Amatrol proves why it's the world's leader in skills-based, interactive technical learning by allowing learners to practice on mechanisms they'd normally only find on the job, which develops both experience and confidence.

Once this learning system is completed, learners can continue to increase their knowledge of pump systems by advancing to the Turbine Pump Learning System (95-PM1-B) and Diaphragm Pump Learning System (95-PM1-C). Turbines are used for high flow, low pressure transfer of fluids from one point to another, especially for applications where contamination is a concern, and air-operated diaphragm pumps are used to transfer fluids that are too viscous, corrosive, abrasive, or hot for other types of pumps.

TECHNICAL DATA

Centrifugal Pump:

- Cast iron housing
- C-face mount
- Mechanical seal
- Max head-16 ft
- Flow-12 gpm @ 9.5 ft head, 1725 rpm

Electric Motor Unit

- Industrial-grade motor
- 1/3 hp
- 3-phase
- C-face pump mounting
- Foot mount
- Power cable connection to variable speed control
- Rated for variable speed control

Piping Network

- Used for series/parallel pump connection
- Load valve, gate type
- Suction line, PVC construction with transparent section and pressure gauge connection quick connect fitting
- Pressure line, PVC construction with transparent section and pressure gauge connection quick connect fitting

Student Learning Activity Set, B18611

Additional Required Items:

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

Learning Topics:

- Series Pump Installation
- Series Pump Operation
- Series Pump Flow/Pressure Characteristics
- Series Pump Applications
- Parallel Pump Installation
- Parallel Pump Operation
- Parallel Pump Flow/Pressure Characteristics
- Parallel Pump Applications
- Performance Curves
- Determining Pump Efficiency

CURRICULUM IS THE KEY TO LEARNING

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