

Multiple Pump Learning System

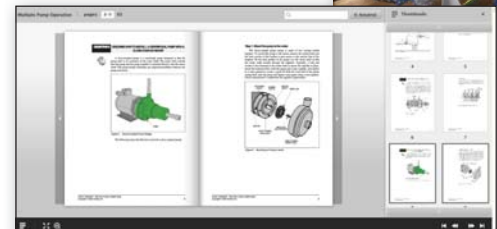
95-PM1-A

ME

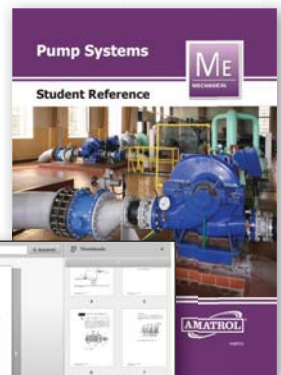
MECHANICAL



95-PM1-A Learning System



Optional Online eBook and Student Reference Guide



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

Amatrol's Multiple Pump Learning System (95-PM1-A) adds onto the Centrifugal Pump Learning System (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 Multiple Pump Learning System (950-PM1-A) allows for the extension of the capabilities of the overall pump curriculum. 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 pump systems they'd normally only find on the job, which develops both experience and confidence.



Technical Data

Complete technical specifications available upon request.

Multiple 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 Curriculum (B18611)

Student Reference Guide (H19713)

Optional Online eBook (E18610)

Additional Requirements

- Centrifugal Pump Learning System (950-PM1)

Utilities

- Drawn from 950-PM1

Hands-On Skills Using Industrial Grade Components

The 95-PM1-A will teach learners invaluable skills related to application, installation and operation of pumps while creating practical understanding of efficiency and flow/pressure issues. Learners will become skilled in centrifugal pump installation, operation of a series centrifugal pump system and a parallel pump system, measurement and graphing of flow/pressure characteristics of a parallel centrifugal pump system. As well as performance curve usage in determining the head and capacity of a series centrifugal pump system and a parallel pump system, and more.



95-PM1-A Learning System

Unmatched Multiple Pumps Curriculum with Optional eBook Curriculum

The Multiple Pump curriculum will teach learners series pump installation, operation and characteristics, and parallel pump installation, operation and characteristics. More specifically, learners will study the function and application of a series pump system, the operation of a multi-stage pump, how to start and operate a series pump system, the flow-pressure characteristics of a series centrifugal pump system, the function and application of a parallel pump system, 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.



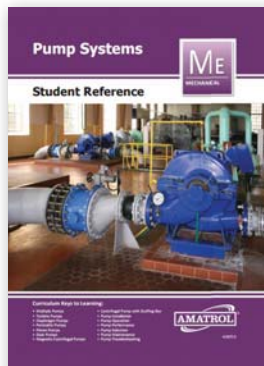
Optional Online eBook

Invaluable Additional Add-On Pumps Available

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.



95-PM1-B 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.

