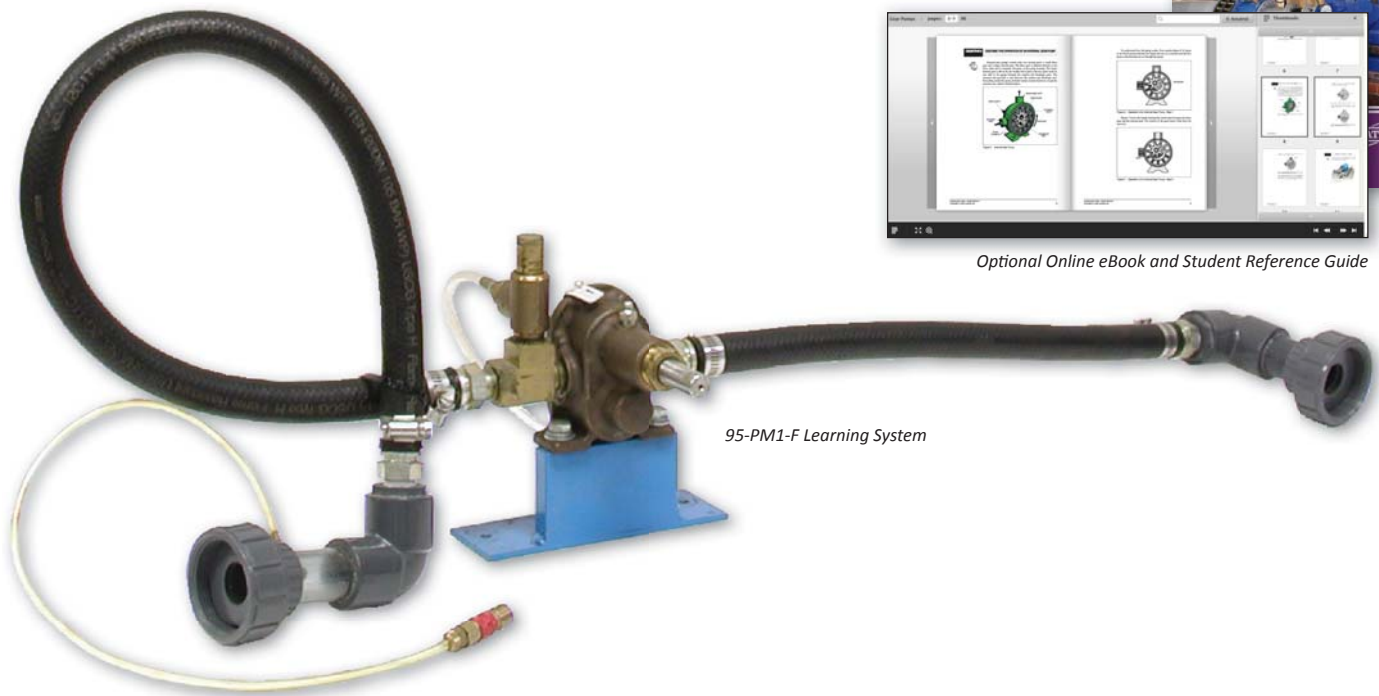


# Gear Pump Learning System

95-PM1-F



95-PM1-F Learning System

Optional Online eBook and Student Reference Guide

## Learning Topics:

- Installation
- Operation
- Performance
- Selection
- Maintenance
- Troubleshooting
- Function
- Flow/Pressure Characteristics
- Calculating Theoretical and Actual Flow Rate
- Disassembly
- Inspection

The Gear Pump Learning System (95-PM1-F) covers the function, operation, installation, and maintenance of the versatile gear pump. This low maintenance pump can transfer a wide array of fluids and fluid viscosities for spraying, recirculating, cleaning, and fluid transfer applications. One of the most common applications of a gear pump is in an automobile's automatic transmission. This learning system also provides information on how to inspect, disassemble, and troubleshoot the pump; how to select the proper gear pump for an application; and how to calculate theoretical and actual flow rates.

The 95-PM1-F consists of a gear pump with bronze gears and bronze housing, relief valve, flexible-type coupling half, and piping network. These industrial-grade components are an example of Amatrol's commitment to providing top-flight equipment and gives learners the opportunity to practice and gain experience on actual mechanisms that they'll work with on the job.



## Technical Data

Complete technical specifications available upon request.

### Gear Pump

- Bronze housing
- Bronze gears
- Foot mounting
- Max rated pressure: 100 psig
- Flow: 2.2 GPM @ 1725 rpm

### Relief Valve

### Lovejoy Coupling

### Piping Network

### Student Curriculum (B18616)

### Student Reference Guide (H19713)

### Optional eBook (E18616)

### Additional Requirements:

Centrifugal Pump Learning System (950-PM1)

### Utilities

Drawn from 950-PM1

## Real-World Gear Pump Training

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



95-PM1-F Learning System

## World-Class Gear Pump Curriculum and Hands-On Skills

The Gear Pump eBook will show learners how to install, maintain, troubleshoot, and disassemble a gear pump. It will also advance learners' understanding of the varying uses and types of gear pumps, exploring their functions and applications, and fluids under pressure. More specifically, learners will study the function of and operation of a gear pump system, the installation, start up, maintenance and troubleshooting of a gear 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.



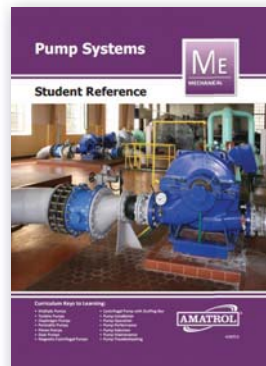
Optional  
Online  
eBook

## Gain Even More Gear Pump Skills with the 95-M1-F

The Magnetic Pump Learning System (95-PM1-G) is offered as an additional learning system available to extend the capabilities of the Centrifugal Pump Learning System (950-PM1), creating options for advanced pump systems training in installation, operation, troubleshooting, function, disassembly, components, and more. Also available are the Student Curriculum (B18617), and Centrifugal Pump with Stuffing Box eBook.



95-PM1-G 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.

