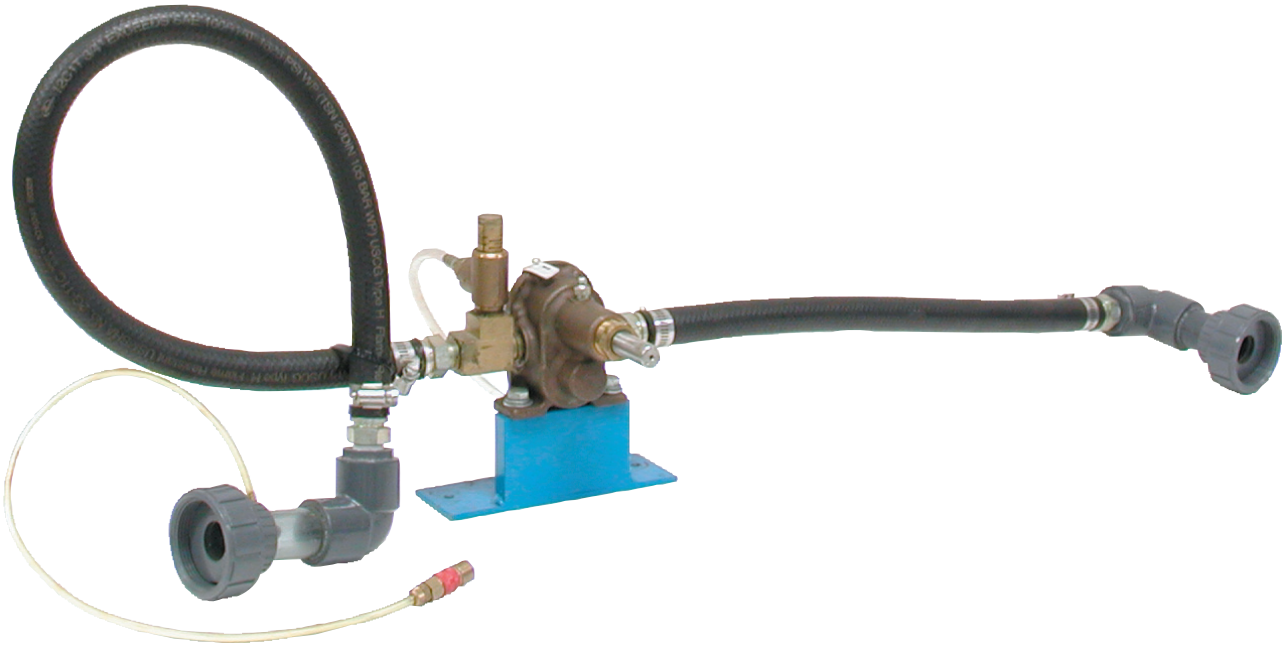
GEAR PUMP LEARNING SYSTEM

95-PM1-F



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.

CURRICULUM IS THE KEY TO LEARNING

Learning Topics:

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

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.

After completing the 95-PM1-F curriculum, learners can continue by studying the Magnetic Pump Learning System (95-PM1-G). Magnetic pumps prevent fluid from coming into contact with the working parts of the pump, either to avoid contamination of the fluid or because the fluid is too corrosive. Magnetic pumps are used in chemical, food, pharmaceutical, and biotechnology applications.

TECHNICAL DATA

Gear Pump
- Bronze housing
- Bronze gears
- Foot mounting
- Max rated pressure: 100 psig
- Flow: 3.3 GPM @ 1725 rpm

Relief Valve
Lovejoy Coupling
Piping Network

(18616) Student Curriculum

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

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