

# Piping Learning System

950-PS1

Fp

FLUID  
POWER



950-PS1



Optional eBook and Student Reference Guide

## Learning Topics:

- Metal Piping Systems
- Piping Safety
- Metal Piping Installation
- Piping Schematic Drawing and Layout
- Plastic Piping Systems
- Plastic Pipe Assembly
- Metal Tubing Systems
- Tubing Selection and Maintenance
- Hoses
- Two-Way Valves
- Check Valves and Sloan Valves

Amatrol's Piping Learning System (950-PS1) covers the installation, specifications, assembly and maintenance of a variety of piping systems. Facilities use piping to carry water, air, steam, gas, lubricants, and more to different locations, and these various substances require specific piping materials and installation in order to function safely. The comprehensive understanding of what kind of pipes and valves to use for different substances and applications, how to install them, and how to maintain them is extremely vital and is the exact technical knowledge covered by the 950-PS1.

The 950-PS1 features a mobile workstation assembly with a pump and motor, an outlet box with guard switch, piping construction slides, piping construction, and a tank with cover. These components and others will be used to cover major topics like metal piping systems, metal piping installation, plastic piping systems, metal tubing systems, hoses, two-way valves, check valves, and Sloan valves. Amatrol uses heavy-duty components that are found in real-world environments in order to provide a durable product that will stand up to frequent use and to allow learners to build competencies with equipment they'll actually find on-the-job.



## Technical Data

Complete technical specifications available upon request.

### Mobile Workstation Assembly

- Pump with Motor
- Outlet Box with Guard Switch
- Piping Construction Slides
- Piping Obstruction
- Tank and Cover

### Metal Pipe Identification and Installation

### Plastic Pipe Identification and Installation

### Metal Tubing Identification

### Steel Tubing Installation

### Hose Identification

### Hydraulic Hose Installation

### Valve Installation

### Sloan Valve Installation

### Pipe Thread Gauges

### Bin, Red Plastic (20)

### Bin, Yellow Plastic (12)

### Student Curriculum (BB526)

### Instructor's Guide (CB526)

### Installation Guide (DB526)

### Optional eBook Curriculum (EB526)

### Additional Requirements:

- Workstation with Vise (82-612E)
- Hand Tool Package (41212)
- Pipe Storage Rack (18869)
- Pipe/Hose Machine Package (18868)
- External Water Source
- Consumable Package (18870)

### Utilities:

- Electricity (120 VAC/60 Hz/1 phase)

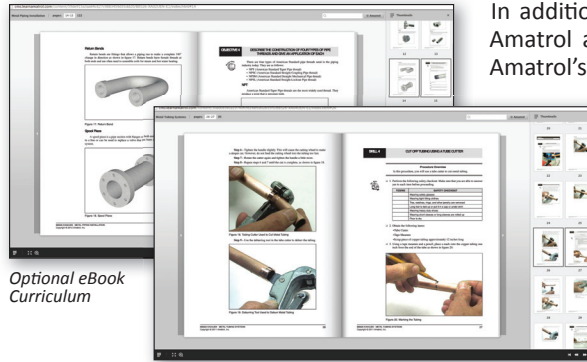
## Use a Pipe Threading Machine to Create Threads on a Pipe and Many More Hands-On Skills!

In addition to the mobile workstation assembly, the Piping Learning System includes the following kits: metal pipe identification and installation; plastic pipe identification and installation; metal tubing identification; steel tubing identification; hose identification; hydraulic hose installation; valve installation; Sloan valve installation; and pipe thread gauges. Learners will use these components to practice hands-on skills like: use a pipe threading machine to create threads on a pipe; weld plastic pipe fittings using solvent; assemble copper tubing using flared and flareless fittings; crimp fittings on to a hose; connect a valve with flanged connections; and many more!



## Learn How to Calculate the Pressure Drop Given Hose Size and Flow Rate

The Piping Learning System's curriculum covers a broad range of topics like the installation, specifications, assembly and maintenance of a variety of piping systems. Specifically, learners will study objectives like: how to calculate pipe length given a piping schematic drawing; how metal tubing is specified; how to calculate the pressure drop given hose size and flow rate; and the operation of different types of manually operated two-way valves.



Optional eBook Curriculum

In addition to the supplied printed curriculum, Amatrol also offers an optional eBook format. Amatrol's eBooks look like a real book and allow users to flip between pages with ease. Enhanced with features such as keyword searches and zoom controls that enable a user to quickly locate and view information, these eBooks are a fantastic learning tool. Easy to use zoom controls make reading schematic diagrams and other technical charts and graphs a snap.

## Student Reference Guide

A sample copy of the Piping Systems Student Reference Guide is also included with the system for your evaluation. Sourced from the system's curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training making it the perfect course takeaway.

