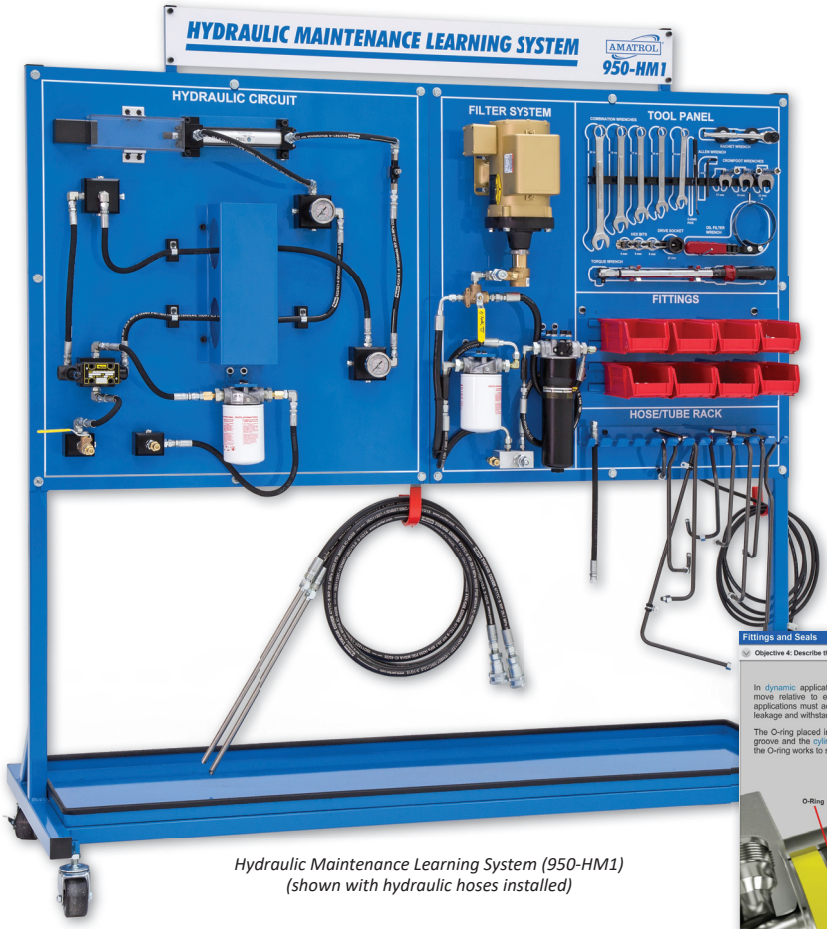
# Hydraulic Maintenance Learning System

**950-HM1**

FLUID POWER




*Hydraulic Maintenance Learning System (950-HM1)*
*(shown with hydraulic hoses installed)*


*Interactive Multimedia Curriculum and*
*Student Reference Guide*

## Learning Topics:

- Hydraulic Filter Maintenance
- Hydraulic Fluid Maintenance
- Adding Hydraulic Fluid
- Flushing Hydraulic Systems
- Fittings and Seals
- Cylinder Bleeding
- O-Ring Seals
- Hose and Clamping Devices
- Clamps, Brackets, and Clips
- Tubing and Component Installation
- Component Replacement

Amatrol's Hydraulic Maintenance Learning System (950-HM1) teaches skills related to servicing and maintaining hydraulic systems and components. Hydraulic systems are used in many industrial areas, such as automotive, packaging, pharmaceutical, and food processing. This learning system provides a valuable learning experience for industrial maintenance technicians, system installers, and many others by covering hydraulic filter and fluid maintenance, fittings, seals, hydraulic hose and clamping devices, hydraulic tubing, and hydraulic component installation.

This system includes a mobile workstation, hose set and tubing rack, flush cart module, fittings module, component panel, and fluid servicing kit. Amatrol uses industry-standard components on its systems to ensure that learners gain hands-on practice with mechanisms they'll use on the job. This improves both confidence and competency when performing tasks like replacing a spin-on filter or strainer, adding fluid to a hydraulic system, installing an O-ring seal, bleeding a hydraulic cylinder, or mounting and aligning a hydraulic cylinder.

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## Technical Data

Complete technical specifications available upon request.

**Mobile Workstation**
**Hose Set and Tubing Rack**
**Flush Cart Module**
**Fittings Module**
**Fittings**
**Component Panel**
**Fluid Servicing Kit**
**Multimedia Curriculum (M19290)**
**Instructor's Guide (C19290)**
**Installation Guide (D19290)**
**Student Reference Guide (H19290)**
**Additional Requirements:**
Computer (Visit www.amatrol.com/support/computer-requirements for details.)
**Options:**
Hydraulic Power Unit
Tool Kit
**Utilities:**
Electricity: (110VAC/60Hz), (220VAC/50Hz), or (220VAC/60Hz)

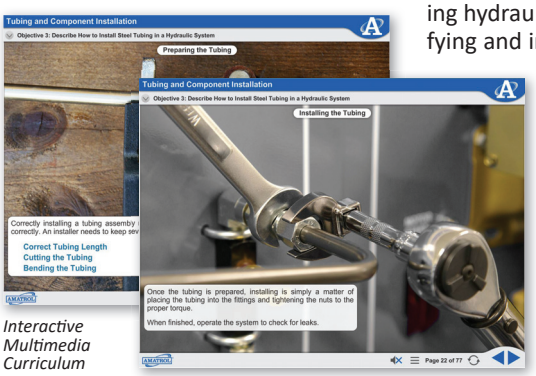
## Learn to Install Hydraulic Tubing, Hoses, and STORs, as well as How to Use a Flush Cart

Amatrol's learning systems work to build up both theoretical knowledge and hands-on skills by integrating key concepts with hands-on practice. Some of the valuable skills learners can practice with this system include: installing hydraulic tubing using thread sealant and ferrule fittings; installing hydraulic hoses with a push-lock hose fitting; and installing adjustable and non-adjustable straight thread O-ring (STOR) fittings. As an example of Amatrol's commitment to depth of skill building, the 950-HM1 even includes a flush cart module so that learners can replace and clean hydraulic fluid from the 950-HM1.

*950-HM1*

## Study Hydraulic Maintenance Exercises Like Installing O-Ring Fittings and Hydraulic Tubing

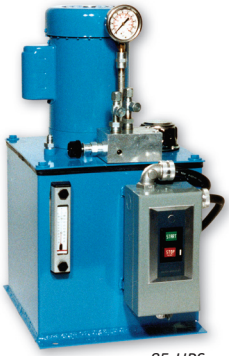
The 950-HM1's curriculum will include all of the knowledge necessary to perform basic hydraulic system maintenance. This comprehensive learning system covers adding and visually checking hydraulic fluid, flushing a hydraulic system, identifying and installing O-ring fittings, bleeding hydraulic cylinders, and installing hydraulic tubing. Specific objectives include: the function of eight types of hydraulic fittings and three types of hose clamping devices, how to replace a body-ported valve, and more. This curriculum is presented in a highly-interactive, multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and interactive quizzes and exercises.

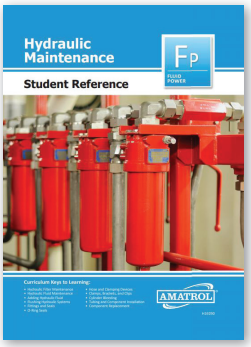


*Interactive Multimedia Curriculum*

## Learning Systems for All Levels of Hydraulic Training

The 950-HM1 is just one of the many hydraulic learning options that Amatrol offers. In fact, the 950-HM1 can be purchased with its own hydraulic power unit (85-HPS) or you can use the unit included with one of Amatrol's other hydraulic learning systems. In addition to these systems, Amatrol also offers Intermediate Hydraulics (85-IH), Advanced Hydraulics (85-AH), and Electro-Hydraulics (85-EH).


*85-HPS*




## Student Reference Guide

A sample copy of the Hydraulic Maintenance 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.

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