

# Hydraulics 3 Learning System | 96-HYD3



## Hydraulics 3 Learning System: 96-HYD3

Amatrol's Hydraulics 3 Learning System (96-HYD3) builds upon the knowledge and skills taught by the [Hydraulics 1](#) and [Hydraulics 2](#) training systems. The Hydraulics 3 training system focuses on more advanced skills and topics, such as hydraulic relief valve operation, hydraulic check valve circuit design, and accumulator applications.

The Hydraulics 3 training system curriculum uses the same Intermediate Hydraulic Valve Module as the Hydraulics 2 training system, which features real-world, heavy-duty hydraulic components students will encounter on the job. These components include control valves, relief valves, flow control valves, check valves, and accumulators. The in-depth multimedia curriculum teaches learners both relevant knowledge and hands-on skills related to these components, such as pump unloading applications, pressure port check valve circuits, and accumulator circuits and sizing.

### Teach Hands-On Skills

#### Study Hydraulic Components and Practice on Real-World Equipment

The Hydraulics 3 training system uses the same Intermediate Hydraulic Valve Module as the Hydraulics 2 training system, which features a variety of real-world, industrial-quality hydraulics components that learners will encounter on the job. These components include an accumulator, control valves, relief valves, flow control valves, and check valves. Users will practice relevant hands-on skills like connecting and operating pilot-operated relief valves and P-port check valve circuits

#### Learn Advanced Hydraulic Skills

Building upon the Hydraulics 1 and 2 training systems, the Hydraulics 3 training system teaches learners a variety of advanced hydraulic concepts and skills. For example, learners will study hydraulic relief valves, check valves, and accumulators. Relevant skills taught include connecting a pilot-operated relief valve to unload a pump by venting, calculating the pilot pressure required to open a POC valve, and designing an accumulator circuit to compensate for leakage.

## Interactive eLearning

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### Engaging, Highly-Interactive Multimedia

Amatrol's curriculum features a highly-interactive, multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and interactive quizzes and exercises designed to appeal to learners with different learning styles. The combination of theoretical knowledge and hands-on skills solidifies understanding and creates a strong basis for pursuing more advanced skills.

The curriculum also features a virtual trainer option that allows learners to gain skills through realistic simulation before using the real equipment. The combination of theoretical knowledge and hands-on skills solidifies understanding and creates a strong basis for pursuing more advanced skills.

### Free Learning Management System (LMS)

Amatrol eLearning is easy-to-use for both students and instructors. Its web-based interface is simple to navigate and available on any WebGL-compatible Internet browser. Instructors love Amatrol eLearning for its simple, yet sophisticated Learning Management System (LMS). The LMS allows instructors to create custom courses, monitor student participation, track course progress, assess knowledge levels prior to a course, and test knowledge levels after completion. Learners appreciate the fact that they can start and stop as needed, moving through each Amatrol course at their own pace. If a self-review reveals that they didn't understand a particular topic as well as they thought they did, they can revisit it before moving on.

## Additional Info

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- [Hydraulics 1 Learning System \(96-HYD1\)](#)
- [Hydraulics 2 Learning System \(96-HYD2\)](#)
- Computer: [See requirements](#)
- Compressed Air Supply (2 CFM @ 100 PSIG/0.142 cmm @ 690 kPa)

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### Address

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