



Pressurized fluids are often used to **perform work** in hydraulic, pneumatic and material-transport systems. A failure in a fluid system can result in property damage, personal injury or even death. As a result, it is critical to follow **safe practices** in assembling and working with pressurized systems and their components.

INTRODUCING SAFETYWORKS

SafetyWorks training promotes awareness of the importance of following proper practices and maintaining safe conditions with regard to fluid systems. It is offered by Parker Hannifin and its authorized distributors to help prevent injury to people and damage to property from escaping fluids and component failures.

SafetyWorks training is highly interactive and collaborative. Participants are encouraged to share stories and experiences relevant to the content of each module to help reinforce the importance of the material and relate it to their jobs.

The program is a series of three modules (see list), each about 20 - 30 minutes long. They can be delivered within an existing training schedule or can be used as a supplementary program, for noon-time learning, at plant shift changes, or at the beginning or end of the day. Individual modules are designed to help individuals to:

- Follow proper hose assembly and routing guidelines to help prevent premature failures
- Implement a product-selection process for safe and efficient fluid-systems design and use
- Avoid injection injuries and understand the importance of timely treatment should an injection injury occur

Instructional materials include a Participant's workbook for each module as well as additional support materials such as videos and product samples for some modules.

Who Should Participate?

Often, the safety manager is tasked with promoting safe practices and assuring safe working conditions. Ultimately, however, safety is everyone's business. SafetyWorks will help enhance people's knowledge and awareness of safe practices regardless of their job or function. Participation in SafetyWorks training is highly recommended for anyone working with fluids under pressure and/or systems in motion, including:

- equipment operators
- repair-service technicians
- assemblers
- safety managers
- engineers

PARKER: Your Partner in Promoting Safety

Safety is a commitment. The SafetyWorks program is part of Parker's commitment to helping people in all types of jobs to learn, understand and follow safe practices. For more information about SafetyWorks, please contact your local Parker distributor or the Parker Technical Development Team at 330-296-1418 or e-mail to safetyworks@parker.com.



SafetyWorks Modules

Injection Injuries

Overview:

Injection injuries can be caused by many sources in addition to hydraulics, but all have potentially devastating outcomes. An injection injury may appear quite minimal to the unsuspecting examiner. As a result, delays in seeking treatment may occur because workers often complete their daily activities before symptoms develop.

Representative Results

- Review fluid-injection facts and view a short video about injection injuries.
- Discuss the information medical authorities will need for proper treatment.
- Review what happens if medical attention is not received within different timeframes.
- Learn about sources of expert information to assist with treatment.
- Discuss safe practices when working with and around pressurized systems to reduce the occurrence of injection injuries.
- Consider how the information presented may change the individual's approach to working with or around pressurized fluid systems.

When scheduling this training - reference course number SAFTYWKS-INJURY

Parker & SAE Hose Safety Standards

Overview:

Improper selection or use of hose, tubing, fittings or related accessories can cause death, personal injury and property damage. By following safety standards when designing and/or using fluid systems, users can reduce the risk of these occurrences.

Representative Results

- Discuss the importance of safe practices and introduce an SAE video about safety.
- Review the provided safety standard and identify key factors for individuals' experiences with regard to:
 - Selection of hose and fitting products
 - Hose and fitting assembly and installation
 - Hose and fitting maintenance and replacement
- Discuss case studies of unsafe practices and the results that may occur.
- Consider how the information presented may change the worker's approach to working with or around fluid connectors and fluid systems.

When scheduling this training - reference course number SAFTYWKS-HOSE

S.T.A.M.P.E.D. Process

Overview:

Proper product selection is critical to system performance and reliability. S.T.A.M.P.E.D. is a systematic method of product selection to assist in identifying fluid connectors and conductors for different applications.

Representative Results

- Understand what the letters of S.T.A.M.P.E.D. represent.
- Share experiences of what happens when someone makes a product selection without all needed information.
- Describe Impulse and Duty Cycle and explain why these operating conditions are so important to consider with regard to product selection.

When scheduling this training - reference course number SAFTYWKS-STAMPD

To schedule a module, reference course number (above). To schedule all three, reference SAFTYWKS-TRNING.

Fluid systems are complex and require specialized knowledge and training beyond the scope of SafetyWorks training. If you do not understand how to perform a task in a safe manner, stop and seek guidance before beginning or continuing to work.

Parker product recommendations are based on Parker-known application requirements and product technical data. They are offered for further consideration only. The user is responsible for testing and verifying that the product is suitable for the application. See SAFETY GUIDE FOR SELECTING AND USING HOSE, TUBING, FITTINGS AND RELATED ACCESSORIES, Parker publication 4400-B.1, for additional assistance.

