

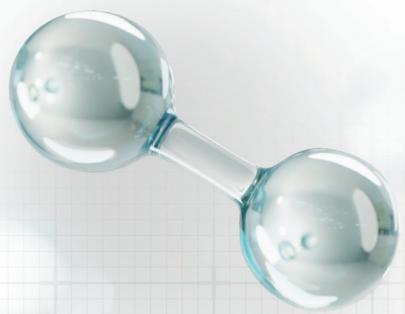


SWAGE-TSTP-H2

TUBING SYSTEM TRAINING PROGRAMS – HYDROGEN

One of the most formidable challenges in the development of safe, dependable, and leak-tight hydrogen fluid systems is the nature of hydrogen itself. Hydrogen is a small-molecule gas that can easily escape through the tiniest of crevices and diffuse into the materials designed to contain them. In many industrial applications, hydrogen must also be stored at pressures in excess of 700 bar for maximum cost efficiency and to achieve the necessary energy density. Further, the handling and management may require rapid thermal and pressure changes can also impact system integrity.

Building fluid systems designed to overcome these challenges requires the right components, the right materials, the right expertise, and the right training. That is why we developed the Swagelok® Tubing System Training Program for hydrogen applications. This program provides hands-on training for those responsible for designing, installing, maintaining, and/or inspecting H2 tubing systems.





ABOUT THE COURSE

The Swagelok® Tubing System Training Program Hydrogen (SWAGE-TSTP-H2) is a globally standardized one and a half day workshop designed to address small bore tubing training needs for Hydrogen applications.

It covers tube fitting installation, inspection, tube bending, and other relevant topics. An additional half-day workshop is available for higher pressure applications (FK + C&T).

Topics:

- What is Hydrogen?
- Hydrogen Compatible Materials
- Risk Mitigation and Best Practices
- Tube Fitting Installation
- Tube Bending
- Tube Fitting Installation Inspection
- Higher Pressure Module
- FK Medium-Pressure Tube Fittings
- Cone and Thread Fittings
- Leak Testing
- Knowledge Test

Target Audience:

TSTP hands-on training is ideal for installers, technicians, engineers, designers, QC/QA inspectors, and others responsible for designing, installing, maintaining, and/or inspecting tubing systems in hydrogen and small molecule gas delivery systems.

Course Format:

Designing, engineering, installing, and maintaining a high-performance hydrogen tubing system for maximum safety and integrity means starting with the basics. That is why this training program provides in-depth, comprehensive focus areas beginning with a foundational understanding of H2 and progressing through critical aspects such as materials science, installation, tube bending, and fitting technologies.

Successful attendees will receive a Swagelok® Certificate of Completion which is valid for three years. For added customer assurance, training certificates are tracked using a centralized Swagelok Customer Training Records System. This enables those who have completed the course and their employers quick and easy verification of training records.

Instructor:

This course is facilitated by a Swagelok-certified subject matter expert.

Course Duration:

SWAGE-TSTP-H2 = 1.5 Days

SWAGE-TSTP-H2+FK/C&T = 2 Days

How to Register:

Contact our customer service or sign in in our websites.

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