



Tubing System Training Program - Hydrogen

■ 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 Length

2 Day

■ Practical Content

50%

■ Theoretical Content

50%

■ Course Aims

The course is designed to offer a thorough understanding of the fundamentals involved in designing, engineering, installing, and maintaining a high-performance hydrogen tubing system, with a focus on safety and integrity. The training program covers essential topics, starting with the basics of hydrogen (H₂), and advancing through critical areas such as materials science, installation techniques, tube bending, and fitting technologies.

■ Course Content

- 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 Fitting) (Cone and Thread Fittings)
- Leak Testing
- Knowledge Test

■ Course Delivery

Classroom and training workshop.

**PART NUMBER:
TSTP-H2**

■ Certification

Successful attendees will receive a Swagelok® TSTP Certificate of Completion which is valid for 3 years.

■ Instructor

All TSTP courses are facilitated by a Swagelok® certified subject matter expert.

■ Swagelok Training Academies

Swagelok Scotland, Aberdeen

Silvertrees Business Park, Silvertrees Drive, Aberdeen, AB32 6BH

Swagelok Scotland, Motherwell

19 Glasgow & Edinburgh Road, Newhouse, Motherwell, ML1 5GJ

Swagelok Teesside

Unit B, Boho 8, Albert Street, Middlesbrough, Teesside, TS2 1AR

■ Contact

Onsite and offshore courses are available. For further details, please contact our training team at scots.training@swagelok.com or call +44 (0)1224 759916.