



Swagelok Essentials Training

Essentials Training in Fluid System Fundamentals

Ensure system integrity and minimize leakage risks.

Swagelok® Essentials training courses provide critical skills for developing, building, and maintaining dependable fluid systems. Taught by Swagelok-certified trainers, these on-site courses provide the foundational knowledge and techniques needed to build and operate high-performing fluid systems.

Tube Fitting Installation Essentials Course

The full-day Swagelok Tube Fitting Installation course covers proper tube selection, cutting, and deburring; assembly of Swagelok tube fittings; and gauging a tube fitting assembly.

This course is designed for individuals responsible for assembling, maintaining, or troubleshooting fluid systems, including technicians, engineers, field and service professionals, new hires, apprentices, safety and operations staff, and supervisors overseeing system performance.

Enroll in this course to learn:

- Tube fitting design and function and how fitting design changes have impacted seal performance
- Installation and assembly instructions designed to assure leak-free operation
- The importance of proper selection, care, handling, and prep of tubing and pipe
- Thread I.D. of: ISO, SAE, NPT, and Metric Threads, conversion fittings exercises of thread gauges & calipers

Hands-on Exercises:

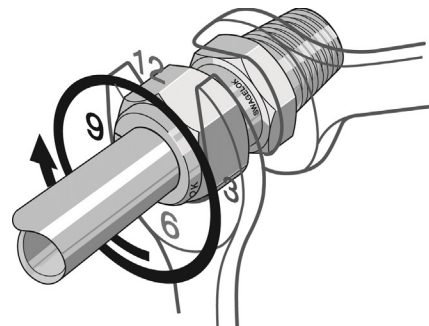
Practice experience with fitting installation, tube cutting, deburring, and bending to improve system performance, enhance aesthetics, increase productivity and reduce waste.

Training Exam and Certificate of Completion:

Each attendee will complete the Exam and receive a Swagelok® Certificate of Completion.

Course Duration:

Full day



Tube Bending Essentials Course

More connections means greater potential for leaks.

This full-day Swagelok Tube Bending Essentials course offers foundational knowledge needed to introduce bent tubing to your system to eliminate connections and leak points found in traditional welded pipe systems.

Upon course completion, attendees will be able to properly cut and deburr tubing, explain the purpose of various marks used in tube bending, bend tubing with the correct bend angle made in the correct location, and identify potential bend defects.

Enroll in this course to learn:

- “Measure-bend method” through *hands-on* exercises using Swagelok® Hand Tube Bender
- Demonstrate tube bending concepts to complete 45°, 90°, 180° and offset bends
- Identify common tube bend defects



Hands-on Exercises:

Attendees will properly assemble a box comprised of various lengths of tubing, bent accordingly to need.

Training Exam and Certificate of Completion:

Each attendee will complete the Final Practical Bend Exam & receive a Swagelok Certificate of Completion. Your finished box should look like this when complete.



Course Duration:

Full day

Course Registration:

To reserve a seat in an upcoming Swagelok Essentials Training class, please reach out to our Training Services team at training@swagelokmena.com or contact your authorized Swagelok sales and service center below.

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