



Tube Fitting Installation & Safety Seminar

2 Hour Lecture-Lab | Hands-on Installation Exercises

Proper Installation Prevents Leaks

Most technicians responsible for installing and maintaining tubing systems have never had an opportunity to learn the correct procedure for assembling a tube fitting.

Tube fittings and their usage are seldom given much thought until there is a failure in the system. For most customers a failure is normally defined as a leak. The consequences of a leak can range from a minor inconvenience to a significant event requiring immediate attention and repair.

Our experience has shown that employing the techniques provided in the Tube Fitting Safety Seminar can prevent most leakage.

Often tube fittings are assembled by "feel"; a technique that usually yields a connection that is under-tightened and prone to leakage. This leakage may not be evident immediately, but will surface when the connection is subjected to normal system conditions such as vibration and temperature cycling.

We have seen many systems, assembled by skilled contractors, which passed initial leak tests with flying colors, develop leakage months after the installation. Small leaks in a gas system may go undetected for years. Undetected fugitive emissions from tube connections are costly in terms of increased operational costs and the potential for environmental impact.

Who Should Take This Seminar?

The seminar is designed for anyone responsible for installing and maintaining leak-free tubing systems. Past participants have included: the fabricators, contractors and technicians who assemble tubing systems; the engineers and draftsmen who design them; the quality control personnel that inspect them; and the safety engineers who made sure the work environment was safe. All have benefited from participation in past seminars.

How Can Swagelok Training Help?

The seminar is a lecture-lab that presents Tube Fitting Safety through the use of hands-on demonstrations and exercises designed to encourage student participation. Students graduate with thorough knowledge of tube system fabrication techniques.

The seminar focuses on the following subjects:

- Evaluation of tube fitting design and function
- Identification of good tube system fabrication procedures
- Familiarization with the tube cutter and tube deburrer
- Tubing is an integral part of any fluid piping system, so we explain the importance of proper tube selection, care and handling
- A review of important installation techniques and examples of helpful plumbing hints
- 1/16" to 1" manual tube fitting installation instructions including standard tube fitting, machined ferrule, and reassembly instructions
- 1/8" and 1/4" manual tube fitting installation exercises
- Discussion of safe plumbing practices
- Demonstrate the proper application of thread sealants and lubricants
- Troubleshooting exercises designed to help the student identify the most common installation errors

Where: Swagelok Northern California Or At Your Location

**3393 West Warren Ave
Fremont, CA 94538**

(Book It For 5 Or More Associates)

**Price: Varies by Number of
Associates and Location**

Register at northerncal.swagelok.com/events

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