

# FK Fittings Essentials

## Learn Basic Skills for Proper Selection and Installation

### Introduction to FK Fittings

This course will help you understand and identify key design characteristics of medium-pressure Swagelok® FK series fittings and learn how to prepare and install them. It covers the basic criteria, variables, and considerations relevant to safely and effectively using FK tube fittings in medium-pressure gas and liquid systems.

All classes are taught by Swagelok-certified trainers and include hands-on practice activities and testing for comprehension.

### Who Should Take This Course?

- Engineers
- Assembly Technicians
- System Maintenance Technicians
- Supervisors and those focused on system safety
- Others responsible for fluid system installation and maintenance

### Swagelok® Medium-Pressure Tube Fittings (FK Series)

The two-piece design of Swagelok FK series medium-pressure tube fittings reduces installation time and lowers maintenance costs. These fittings provide a vibration-resistant, leak-tight, and robust connection that protects workers and the environment.

FK series fittings have revolutionized fluid connections in downhole oil and gas exploration applications and streamlined R&D fluid systems requiring frequent reconfiguration with their reliable, leak-tight service. These fittings also aided in the development of the hydrogen economy through leak-tight hydrogen fluid connections that meet the requirements of EC-79 for performance at pressures up to 700 bar [10 150 psig] in hydrogen applications.



### Course Objectives

- Identify and understand key design characteristics of the FK series fittings
- Learn about the variables and considerations when selecting suitable medium-pressure tubing, and how to properly prepare it for installation with the FK fitting
- Properly install a Swagelok FK tube fitting using installation by turns. Watch demonstration of installation by torque and installation with the hydraulic swaging unit.
- Identify and list common installation errors, and recognize how to avoid them



Classes are available at your location or hosted at one of our facilities

- **Length of Class:** Up to four hours
- **Class Size:** Up to 15, minimum of 8
- **Prerequisite:** Tube Fitting Installation Essentials is strongly recommended.

### Contact Us

Contact your account manager or email us for current schedule or registration.

#### Swagelok Southern California

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