

# Swagelok Hose & Valve Training



## Hose Essentials

Length: half-day



*For engineers, installers, and technicians who want to master hose fundamentals to better ensure safety, system optimization, and a reduced total cost of ownership*

### Upon graduation, you'll be able to:

- Define common hose terminology
- Discuss hose selection variables
- Evaluate hose per application
- List common hose application issues/remedies
- Understand best practices for hose inspections
- Determine ideal length required for installation
- Determine/Set Up a hose maintenance schedule
- Understand proper routing and end connections

## Valve Basics

Length: half-day



*For engineers, installers, and technicians who want to master knowledge of all critical valve-related topics/elements, including selection per application, safety, installation, and maintenance*

### Upon graduation, you'll be able to:

- Identify differences in valve types, functions, construction, and operation
- Read a flow curve and P/T table
- Choose the “right” valve for your particular applications
- Safely and properly install, repair/replace, and maintain/troubleshoot valves
- Define leakage and control it
- Understand why valves fail
- Understand actuation, ratings, packings
- Know when filters should be added
- Select valves with the correct materials of construction for your system
- Understand all key factors influencing valve service life

***Both courses provide numerous hands-on exercise and real-world scenarios designed to help you work through determining the best hose/valve per use!***



### Meet Your Instructor: **MIKE GAGEL,** *Strategic Services Specialist*

- Worked 20 years at Swagelok Company
- Authored majority of Swagelok's global Technical Training content
- Advanced Tube Bending expert



**REGISTER TODAY** – Hurry, our training schedule is filling fast!

**Rudy Frank,**  
Director – Strategic  
Services & Marketing

rudy.frank@swagelok.com  
412.439.1706

**Swagelok**

Swagelok Pittsburgh | Tri-State Area