

ONSITE SERVICE MENU OPTIONS

SWAGELOK COLUMBUS|CHARLESTON
DISTRIBUTOR RESOURCES



Swagelok is your business partner in creating safe, reliable and productive operations. This starts with equipping your workforce with world class products, assemblies, training and services that help them do their jobs efficiently and effectively.

Strong training and development programs help produce workers who are better equipped to handle the demands of their jobs, operate more safely, and are more productive. And we're passionate about making sure that such training exists for those who design, operate and maintain fluid systems. We offer a wide range of training and services for different audiences, from those who are just entering the world of fluid systems to those who have worked in it for years. Our standard training offerings meet or exceed the requirements of many recognized local governing bodies and are available worldwide. You can rest assured that the class you are taking today is consistent with our organization's core values of continuous improvement, quality, and innovation, and will provide you a wealth of knowledge.



SWAGELOK ESSENTIALS TRAINING OPTIONS



Tube Fitting Installation Essentials

TUBE FITTING INSTALLATION

The Tube Fitting Installation Essentials is a (4) hour course that offers hands-on learning of best practices for proper assembly and reassembly of the tube fitting. Attendees will learn how to appropriately and safely cut and deburr tubing, install, disassemble and reassemble a Swagelok tube fitting, and identify basic thread types. This class will also dive into the importance of the individual tube fitting components, the dynamics of leakage, and industry best practices.



Tube Fittings Installation Inspection Essentials

TUBE FITTING INSTALLATION INSPECTION

The Tube Fitting Installation Inspection Essentials is a (4) hour course that offers all of the benefits of the Tube Fitting Installation class, plus more! This class will challenge the attendees to inspect fluid system components and ensure that they have been properly installed and are performing optimally. The hands-on portion of the class features basic tube fitting assembly as well as an inspection loop that requires class members to disassemble and diagnose multiple fitting types and to determine installation errors and whether best practices were applied.



Tube Bending Essentials

TUBE BENDING

The Tube Bending Essentials is a (4) hour course that focuses on the utilization of bent tubing to reduce connections and leak points that exist in traditional piping systems. Class members will learn correct bending techniques as well as industry best practices to ensure safe, leak tight installation. The practical portion of the class has attendees use a Swagelok hand tube bender to plan, measure, and complete a series of bends; demonstrating the skills learned during the course.

HOSE

The Hose Essentials is a (4) hour course centered on the various types, proper installation, and maintenance of hose to extend the life and improve performance of your fluid system. Attendees will learn about the construction and materials of hose and how to select a safe and appropriate option for a given application or environment.



Hose Essentials

VALVE

The Valve Essentials is a (4) hour course that focuses on the selection, installation, and maintenance of valve products. Those participating in the class will learn the various types of valves and their differences in construction, function, and operation, as well as how to properly read associated flow curves. Valve animations are used to demonstrate how valve engagement effects a fluid system and how to troubleshoot issues that may arise.



Valve Essentials

REGULATOR

The Regulator Essentials is a (4) hour course that teaches how the correct regulator for your application can increase safety and efficiency in your system. Course participants will learn how to identify and resolve common regulators issues along with best practices for selection and installation. Each attendee will receive hands-on experience dismantling and re-assembling a pressure reducing regulator and the course will also dive into regulator flow data and performance criteria such as choke flow, lock-up, hysteresis, and more.



Regulator Essentials



FSEAS (FLUID SYSTEM EVALUATION & ADVISORY SERVICES)

Our experienced experts will visit your facility and evaluate your systems and advise on enhancements that will improve your operations. We deliver a detailed report and recommend solutions tailored to your toughest fluid system applications and challenges.

COMPONENT ADVISORY SERVICES

Eliminate costly issues that cause unplanned downtime or low product yield. Our onsite service experts will identify ways to enhance your component selection, installation, inspection and maintenance procedures to improve the life and performance. We will help you develop preventive maintenance schedules and identify components to keep in inventory, including standardized end connections and couplings that will help improve your productivity.

- Hose Advisory Service
- Gauge Advisory Service
- Valve Advisory Service
- Regulator Advisory Service

SWAGELOK CORPORATE TRAINING RESOURCES



Orbital Welding Training

ORBITAL WELDING TRAINING

Swagelok Weld Training is a four-day course which emphasizes the theories and skills associated with gas tungsten arc-based orbital welding (GTAW) with both classroom and hands-on training. Because of the complexity of skills required to consistently achieve good orbital welds, new and even experienced welders must be trained using cutting-edge techniques from qualified instructors. The techniques taught in this course can be applied to any automatic gas tungsten arc welding system. All classes are taught by experienced instructors who have earned the qualifications of Certified Weld Inspector (CWI)

SAMPLE SYSTEM PROBLEM SOLVING AND MAINTENANCE (SSM) TRAINING

Sampling System Problem Solving and Maintenance training is a two-day course which teaches fundamental and advanced practices in analytical instrumentation operation and maintenance. It will empower technicians and maintenance personnel to maintain sampling systems with minimal error and greater system integrity, allowing them to catch mistakes before they happen and recognize existing problems in installed sampling systems.



SSM Training



PASS Training

PROCESS ANALYZER SAMPLING SYSTEMS (PASS) TRAINING

Process Analyzer Sampling Systems training is a five-day course that teaches you how to make better sense of the variables which affect sampling systems allowing you to head off problems before they arise, allowing you to assess and analyze sample systems and their designs holistically. This class breaks down design elements of industrial sample systems into subsystems then further separates them into discrete function blocks. Through an effective blend of lecture, class exercises, and a team design project delivered in a small class environment, you learn how to assemble these function blocks into complete system designs or employ them as analytical tools to assess and improve in-service systems.

PASS PLUS TRAINING

PASS Plus Training is a hands-on class that blends traditional PASS concepts with Evaluation and Advisory Services by targeting issues and problems identified by the customer on its own site. This approach, launched in 2017, allows customers to take a deeper dive into the problems and challenges they face each day, with classroom instruction on the best ways to overcome these issues through proper system design and component selection.

MATERIALS SCIENCE

Customers rely on Swagelok to keep their fluid systems leak-tight and operating efficiently. They also rely on our technical expertise to troubleshoot their problems and avoid issues that can cause a system to leak, shut down, or fail, such as corrosion or material incompatibility. Help your customers make better choices with proper material selection by learning about both polymers and alloys, their behavior, and how industry standards impact a customer's choice of materials.



Materials Science Training

ADVANCED TUBE BENDING

This comprehensive and hands-on course continues to differentiate Swagelok as an industry leader in the field of system design. Topics covered in this class include the measure-bend and Swagelok methods of tube bending, making simple and custom offsets, and making segmented bends and rolling offsets. This class is available in 2, 3, and 4-day options, and based on duration, includes instruction on hand tube benders up to 1/2" diameter (2 day), bench top tube benders (3 day), and electric tube bending equipment (4 day).



Advanced Tube Bending Training

SWAGELOK COLUMBUS|CHARLESTON

WE'RE GLOBAL. AND LOCAL.



Swagelok Columbus

Westerville, Ohio
200 Hoff Rd. Suite M. | Westerville, OH 43082
PHONE: 614.212.7766
info@scioto.swagelok.com

<https://columbus.swagelok.com>



Swagelok Charleston

Charleston, West Virginia
507 1st. Ave. | South Charleston, WV 25303
PHONE: 304.744.3461
info.cvf@swagelok.com

CONTACT US

- Meet with our account managers and trained professionals to gather more information on the cost of these services.
- Call our office to gather more information.
- Send us an email and we will be happy to answer your questions.