



# Swagelok® VCR Fitting Installation Essentials

## ■ Target Audience

Technicians, maintenance, and engineering personnel involved in the installation, maintenance, inspection, and design of small bore tubing and piping systems.

## ■ Course Length

0.5 Day

## ■ Practical Content

30%

## ■ Theoretical Content

70%

## ■ Course Aims

To provide delegates with an introduction to the functions and the sealing principles of face seal fittings. Correct procedures for assembly and reassembly are reinforced through the use of hands-on demonstrations and exercises. The course objectives are accomplished through the use of graphic illustrations, video training, product samples, and hands-on experience.

## ■ Course Content

- Tube preparation and variables
- The Swagelok® tube fitting
- The key design elements of face seal fittings
- Considerations when installing the fitting in ultra-high purity systems
- Review of important installation techniques which will extend the life of the fitting, and assure leak tight systems
- Trouble-shooting exercises designed to help the student identify the most common installation errors
- OPTECH rig training and trouble-shooting practical exercise
- Identification of VCR gasket types, options, and usage

## ■ Course Delivery

Classroom and Training Workshop.

**PART NUMBER:**  
TSG-VCR/VCO & TUBE

## ■ Certification

Swagelok® Certificate of Completion, plus wallet card – valid for 3 years

## ■ Instructor

Swagelok® certified trainers.

## ■ Times of Training

09.15–12.00 & 13.15–16.00

## ■ Swagelok Training Academies

### Swagelok Scotland, Aberdeen

Silvertrees Business Park, Silvertrees Drive, Aberdeen, AB32 6BH

### Swagelok Scotland, Motherwell

19 Glasgow & Edinburgh Road, Newhouse, Motherwell, ML1 5GJ

### Swagelok Teesside

STEM Centre, Middlesbrough College, Windward Way, Middlesbrough, TS2 1QG

## ■ Contact

Onsite and offshore courses are available. For further details, please contact our training team at [scots.training@swagelok.com](mailto:scots.training@swagelok.com) or call +44 (0)1224 759916.