

# Swagelok® Pressure Regulator Course

## ■ Target Audience

Technicians, maintenance and engineering personnel involved in the selection, installation and maintenance of pressure regulators and associated systems.

## ■ Course Length

1 Day

## ■ Practical Content

20%

## ■ Theoretical Content

80%

## ■ Course Aims

To provide delegates with an understanding of the function of Pressure Regulators and the importance of correct selection whilst identifying associated performance issues that commonly occur to increase system efficiency. Provide guidance on appropriate inspection, testing and planned or preventative maintenance and have hands-on session to provide experience in replacing key components.

## ■ Course Content

- Function, loading mechanisms and safety considerations when selecting a pressure regulator
- Relate function & performance to associated applications
- Sizing of Regulators and utilising flow charts
- Supply Pressure Effect (SPE), Droop, Choking, Lock-up, Creep & Joules Thompson Effect
- Demonstrate SPE
- Relate performance characteristics to the importance of good selection and regulator design
- Consideration of venting & proportional relief valves to enhance safety for certain systems
- Practical instruction on actual maintenance of Swagelok Regulators
- Suggestions on inspection & testing techniques

## ■ Delivery

Classroom & Training Workshop

## ■ Certification

Swagelok® Certificate of Completion

## ■ Instructor

Swagelok® Certified Trainers

## ■ Times of Training

08.30 - 17.00

## PART NUMBER:

TSG-PRESSURE REGULATOR

## ■ Venues

### Swagelok Scotland

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

### Swagelok Teesside

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

### Swagelok Ireland

Unit 20, Southern Cross Business Park, Boghall Road, Bray, Co. Wicklow, A98 F590

## ■ Contact

On site and offshore courses are available. For further details, please contact our Training Division at [scots.training@swagelok.com](mailto:scots.training@swagelok.com)

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