



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 and performance to associated applications
- Sizing of regulators and utilising flow charts
- Supply pressure effect (SPE), droop, choking, lock-up, creep, and Joules Thompson effect
- Demonstrate SPE
- Relate performance characteristics to the importance of good selection and regulator design
- Consideration of venting and proportional relief valves to enhance safety for certain systems
- Practical instruction on actual maintenance of Swagelok regulators
- Suggestions on inspection and testing techniques

■ Course Delivery

Classroom and Training workshop

■ Certification

Swagelok® Certificate of Completion

■ Instructor

Swagelok® certified trainers.

■ Times of Training

08.30 – 17.00

PART NUMBER:
TSG-PRESSURE REGULATOR

■ 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 or call +44 (0)1224 759916.