

Relief Valve Maintenance

This three-day course covers basic relief valve fundamentals and theory, construction, and maintenance and testing of relief and safety valves. This course is approximately 1 day of classroom with 1½ to 2 days hands-on exercises.

I. Relief and Safety Valve Fundamentals

- Functions and Terminology
- Markings
- Designations
- Theory of Operation

II. Maintenance

- Installation/Removal
- Disassembly
- Inspections/Repairs
- Reassembly
- Gagging

III. Testing and Adjustments

- Setpoint Testing and Adjustment
- Blowdown Testing and Adjustment
- Accumulation Testing and Adjustment
- Seat Leakage Testing
- Hydrostatic Testing
- Temperature Compensation

IV. Regulatory Guidelines

- OSHA
- ASME B&PV
- DOT