

Regulators & Gas Control No other natural gas regulator manufacturer in the world offers more products and local services dedicated to safe, effective applications than the Fisher Regulator Division. Fisher has assumed the mantle of leadership in training the personnel of gas production, storage, pipeline, and distribution companies. Several courses covering the installation, troubleshooting, and adjustment of gas regulators and relief valves are available for gas regulator technicians at Regional Training Centers. Managers, engineers and technicians may wish to consider the Annual Gas Control Conferences. This 4-1/2 day event includes information from sizing and selection to troubleshooting.



Gas Regulator Technician

Course 1100 CEUs: 2.1

Overview

This 3-day course is designed primarily for technicians responsible for the installation and maintenance of regulators and relief valves. Emphasizing hands-on training, this course teaches students to install, trouble-shoot, and adjust gas regulators and relief valves. Students who complete this course will be able to:

- perform maintenance on regulators and relief valves
- troubleshoot field problems

Prerequisites

At least one year field experience with gas regulators is recommended.

Topics

- Self-Operated Regulators
- Pilot-Operated Regulators
- Overpressure Protection
 - Series Regulation
 - Monitors
 - Slam Shut Options
 - Relief Valves
- Regulator Failure Analysis
- Troubleshooting

Price \$1,800

Location Marshalltown, IA
Start Dates 2009 1/13, 6/2, 9/1
 McKinney, TX* 3/31
 * please reference Course *1101; additional \$100

Regulator Packaged Training is Also Available!

Regulator Theory, Operation & Application - CD-ROM

Pressure & Process Regulators Video Training

For Further Details & Ordering Information, Visit our website at:
www.emersonprocess.com/education

Gas Regulator Troubleshooting

Course 1106 CEUs: 2.1

This course is designed primarily for technicians with responsibility for installing, maintaining and troubleshooting gas regulators.

Overview

This 3-day course provides intensive hands-on training using the same regulators that are commonly used in the field. Actual gas regulator problems are simulated in the workshops, challenging the student to efficiently diagnose problems and restore the regulator to proper operation. Students who complete this course will:

- efficiently and safely troubleshoot common regulator operational performance problems
- understand the influence of the service environment on regulator performance
- understand the importance of correct installation procedures
- understand the role of correct sizing as it impacts regulator performance
- perform maintenance on regulators and relief valves
- troubleshoot field problems

Prerequisites

Gas Regulator Technician, Course 1100, or 2 years experience with regulators.

Topics

- Review Self and Pilot Operated Regulators Operating Principles
- Regulator Sizing Procedures
- Installation Practices
- Regulator Failure Analysis
- Regulator Stability
- Regulator Troubleshooting Principles and Procedures

Price \$1,800

Location Marshalltown, IA
Start Dates 2009 6/23, 9/15

Gas Control Conference

Course 8000 CEUs: 2.5

This conference is for those responsible for the selection, application and operation of regulators and control valves in the natural gas industry.

Overview

This 3-1/2 day conference demonstrates the fundamentals of, and advancements in, gas pressure control. This course emphasizes natural gas distribution and also covers natural gas transmission. Students will:

- evaluate the difference between direct-operated and pilot-operated regulators
- evaluate the different methods of overpressure protection
- properly size valves, regulators, and relief valves for natural gas applications

Prerequisites At least one year experience in the field of natural gas regulators and/or control valves is recommended.

Topics

- Actuators and Positioners
 - Controller Tuning
 - Monitor Applications
 - Overpressure Protection
 - Pilot-Operated Regulators
 - Pneumatic Controllers
 - Positioners
 - Pressure Factor Measurement
 - Regulator Failure Analysis
 - Regulator Stability
 - Self-Operated Regulators
 - Troubleshooting
 - Valve and Regulator Selection
 - Valve Noise
 - Valve and Regulator Sizing
- Department of Transportation (DOT)/Traffic Safety Institute (TSI) guest speakers provide guidelines and lead discussion on various design, operating and maintenance requirements (49CFR192) as they apply to natural gas regulators.

Price \$1,100

Location McKinney, TX
Start Dates 2009 4/6, 10/19

To enroll in Regulators and Gas Control courses please call 800-338-8158 or 641-754-3771.
 For additional contact information refer to the appropriate contact on page 119. Updated dates & locations are available on our website at www.emersonprocess.com/education.