



Technical Seminar Series

Introduction to Regulators

Understand regulator function, selection, and design for improved performance and safety

Technical Seminar Overview

Pressure Regulators typically exhibit several common characteristics that are not dependent on a particular type, make, or manufacturer of regulators.

The instructors introduce characteristics that are common across the industry:

- Droop (or Flow Effect)
- Creep
- Accumulation
- Choked-Flow
- Lock-up (Seat-Load Drop)
- Joule-Thomson
- Optimal Flow
- SPE-Supply Pressure Effect
- Relate function and performance characteristics
- Sizing of regulators and utilizing flow charts (Basic)

Duration: 1.5 Hours*

*Continuous Professional Development (CPD) Hours that meet provincial requirements, including Professional Engineers Ontario (PEO)

Upon completion, you should be able to:

- Explain the difference between a valve and regulator
- Understand regulator terminology
- Differentiate components within a regulator
- Recognize performance attributes of a regulator
- Relate performance characteristics to the importance of good selection and design
- Consider venting and proportional relief valves to enhance safety for certain systems

Main Contact for Technical Seminar Series:

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