TECHNICAL
EDUCATION
ACADEMY

School of Engineering

COURSE PROGRAMME

000691

Pressure Safety Relief Valves - Inspection, Maintenance and Repair

A safety or pressure safety relief valve can be considered the most important single safety device on a boiler, piping, pipeline or pressure vessel.



Learn from the Best in the Business!

Course overview

Duration: 5 days / 40 hours · Intermediate level

Why take this course

A safety or pressure safety relief valve can be considered the most important single safety device on a boiler, piping, pipeline or pressure vessel. If it fails to function in the manner for which it was intended and an overpressure condition develops, the result could be catastrophic. Like all mechanical devices, pressure safety relief valve require periodic maintenance and repair. To properly carry out repairs, it is essential that the work be done by trained personnel under controlled conditions, using proper parts and procedures.

This course covers all areas of pressure safety relief valve, including inspection, repair, operation and assembly. This course provides the best understanding of what is involved in the repair of pressure safety relief valve, all areas of pressure safety relief valve, including inspection, repair, and assembly. While not hands-on training, this course provides a better understanding of what is involved in the repair of pressure safety valve.

Who it is for and how it helps

This intensive course is recommended for inspection engineers, technical management, quality control and technical supervisory personnel involved in pressure safety valve repair, inspection, operation or maintenance. No specific prerequisite training or experience required for registration.

What you will learn

- Demonstrate in-depth knowledge and understanding on the organizations affecting standards development and enforcement, jurisdictional requirements, ASME Code Sections I and VIII;
- Recognize the principles of pressure safety valve operation, development and application of pressure safety relief valves;
- Explain principles of installation and operation of pressure safety relief valve;
- Identify the operational malfunctions of pressure safety relief valve;
- Select testing facilities;
- Recognize pressure relief device certifications;
- Distinguish pressure safety valve repair, nameplate data interpretation and stamping, pressure safety relief valve disassembly;
- Carryout critical inspection, lapping and grinding;
- Determine PRV assembly and apply setting, testing and sealing;
- Implement quality control systems, nondestructive examination;
- Recognize training and qualification of personnel and pilot-operated pressure relief valves.

Programme instructor



Mostafa Hefny

Highly accomplished professional with over 15 years of comprehensive experience in the oil and gas industry, specializing in Inspection, Risk-Based Inspection (RBI), and Corrosion Engineering. Combining extensive practical experience with a strong instructional background of over 6 years, he has successfully led diverse technical training programs and international projects for industry leaders such as Saudi Aramco, Sabic affiliates, and Oman LNG.

Holding an MSc in Metallurgy and Materials Engineering (with a focus on Corrosion) alongside a robust suite of prestigious certifications, including API 510, API 570, API 571, API 580, API 653, API 936, AWS Certified Welding Inspector (CWI), and NACE/AMPP Senior Internal Corrosion Technologist, possesses deep technical expertise in developing and executing sophisticated inspection programs.

An effective communicator and experienced instructor, excels in delivering high-impact training on topics such as pressure vessel and piping inspection, damage mechanisms, risk-based inspection strategies, and material selection. Professional journey spans roles at leading entities such as a National Refining Company, Bapetco, and Methanex, managing inspection programs, contributed to turnaround planning.

With a proven ability to mentor engineers, lead multidisciplinary teams, and translate complex technical concepts into actionable knowledge, brings both depth and clarity to every training experience. A valued expert in technical consultancy and engineering education.

Participant ratings

Programme evaluation based on participant feedback

Overall programme rating — 4.4 / 5

Clarity of learning objectives	**4.6 / 5**
Confidence in applying knowledge and skills	**4.6 / 5**
Achievement of learning objectives	**4.4 / 5**
Relevance of content to job tasks	**4.6 / 5**
Suitability of difficulty for the level of preparation	**4.3 / 5**
Increase in knowledge	**4.3 / 5**
Skills development	**4.4 / 5**
Willingness to recommend the programme to colleagues	**4.3 / 5**

16 responses

Joining the programme

Contact the Academy and quote course code 000691 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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