MERCURY

Safety Valve Maintenance: Principles, Practices, and Protocols

23 – 27 May 2027
Dubai (UAE)



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Safety Valve Maintenance: Principles, Practices, and Protocols

Ref: 15510_1083101 **Date:** 23 – 27 May 2027 **Location:** Dubai (UAE) **Fees:** 4900 Euro

Introduction:

This safety valve maintenance course is designed to provide a comprehensive understanding of safety valve maintenance and operation. It will delve into the fundamental principles, advanced concepts, and practical applications of safety valve systems. Attendees will acquire skills and knowledge to effectively maintain and operate safety valves and critical components in various industrial settings.

Continuous professional development is essential in a rapidly evolving industrial landscape. This safety valve maintenance training offers in-depth insights into the maintenance and repair of safety valves, equipping participants with the necessary skills to excel in their roles and ensure safe and reliable equipment operation.

Participants will walk away from this safety valve training course with a firm grasp of the maintenance techniques and best practices required to maximize the efficiency and lifespan of safety valve systems.

Targeted Groups:

- Maintenance Engineers.
- Safety Officers.
- Plant Operators.
- Technical Supervisors.

Course Objectives:

At the end of this safety valve maintenance course, participants will:

- Comprehend the principles of safety valve maintenance and operations.
- Identify and resolve common issues associated with pressure safety valves.
- Implement process safety valve and maintenance strategies efficiently.
- Ensure adherence to safety valve regulations and maintain high safety standards.

Targeted Competencies:

Upon the end of this safety valve maintenance training, participants will:

- Maintenance planning and scheduling.
- Understanding safety valve meaning, definition, and purpose.
- Safety valve operation and troubleshooting.

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• Alignment with safety standards and best practices.

Course Content:

Unit 1: Introduction to Maintenance and Safety Valves:

• Overview of maintenance principles.
• What is a safety valve? Introduction and definition.
• Safety valves are important in ensuring process integrity.

Unit 2: Maintenance Strategies for Safety Valves:

• Preventive and predictive maintenance for safety valve longevity.
• Condition-based maintenance approaches.
• Planning and scheduling for safety valve maintenance.

Unit 3: Operation of Safety Valves:

• Fundamentals of safety valve operation.
• Advanced operational techniques for process safety.
• Troubleshooting and repair methods for common safety valve issues.

Unit 4: Safety Standards and Regulations:

• Comprehensive overview of safety valve-related standards.
• Regulatory compliance strategies for safety valves.
• Conducting safety valve audits and inspections.

Unit 5: Advanced Topics and Case Studies:

• Predictive maintenance and condition monitoring for safety valves.
• Case studies illustrating challenges and solutions in safety valve maintenance.
• Group discussions will foster knowledge sharing on safety valve operation and maintenance.
• Assessment and certification to validate safety valve maintenance proficiency.