

## Introduction to Valves

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**Duration** 30 Minutes

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**Target group** Oil & Gas Industry (Onshore & Offshore)

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**Prerequisites** No prerequisites are required to sit this course.

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**Objective**

- LO1: Identify valve functions and where they are used within industry
- LO2: Describe the concept of pressure-temperature rating as applied to valves
- LO3: Recognise standard valve symbols and safety markings
- LO4: Explain the functions of the different types of valves
- LO5: Explain isolation valves function and use
- LO6: Explain ball valve use, operation and commonly associated problems
- LO7: Explain gate valve use, operation and commonly associated problems
- LO8: Explain plug valve use, operation and commonly associated problems
- LO9: Explain butterfly valve use, operation and commonly associated problems
- LO10: Explain diaphragm valve use, operation and commonly associated problems
- LO11: Explain globe valve use, operation and commonly associated problems
- LO12: Explain needle valve use, operation and commonly associated problems

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**Contents** You will learn about a wide variety of valve types, their operation, and why they are used for a specific purpose. You will also gain an understanding of the corresponding safety symbols, as well as some of the more commonly associated problems to be aware of for each valve type.

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**Exam** The assessment is taken during the course and is within the expected duration.