



INTRODUCTION TO VALVES

Online Course 2026

COURSE INFORMATION OUTLINE



WHO SHOULD ATTEND:

- Anyone who deals with valves
- Mechanical Engineers and Technicians
- Maintenance Foreman and Mechanics
- Valve Salesmen
- Internal valve salespeople
- Project Engineers
- Buyers



PRE-REQUISITES:

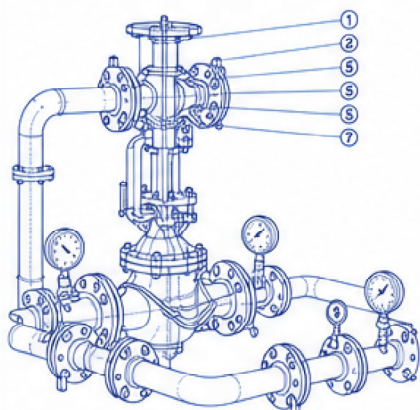
No specialist knowledge or skills are required – only a technical background – so that there is an understanding of such factors as the difference between pressure and force.

This course is a good introduction to someone who has had no dealings with valves in the past as well as an important refresher course for anyone who would benefit from the back-to-basics approach.



TRAINING METHODOLOGY:

Each delegate will work on his own although ideally small groups should meet regularly to discuss the content of each module and share ideas. As the module is complete there are self-evaluation questions to be completed.



THE COURSE

Introduction to Valves is a 6-module correspondence course that is designed to be completed in about 25 hours over a three-month period.

It covers the basics of what a valve is and what materials are used.

There is an online quiz at the end of a module and an exam at the end of the course with a pass mark of 50%.

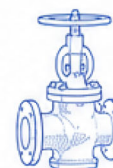


COURSE MODULES

1

Module 1 – What is a Valve?

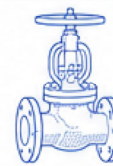
- Sizes
- End Connections
- Valve components
- Methods of Operation
- Terminology



2

Module 2 – Choosing the Right Valve for the Job

- Materials
 - Plastics
 - Rubbers
 - Metals
- Trim materials
- Corrosion



3

Module 3 – Linear Valves

A detailed discussion of the design, characteristics and application of the Gate, Flexible wedge, Parallel slide, Knife gate, Penstock, Globe



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Module 4 – Rotary Valves

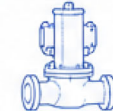
A detailed discussion of the design, characteristics and application of the Plug (lubricated and non-lubricated) Ball and Butterfly valves



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Module 5 – Flexible movement valves

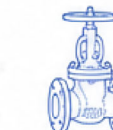
A detailed discussion of the design, characteristics and application of the pinch and diaphragm valves.



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Module 6 – Other Valves

- Air valves
- Sleeve valves
- Penstock valves
- Glossary of valve terminology
- Needle valves
- Bonneted gate valves
- Radial Gate valves
- Self-regulating valves



WHAT YOU WILL GAIN:

- ✓ Understand valve types, components and materials
- ✓ Learn how to select the right valve for the right application
- ✓ Gain knowledge of valve operation, design and terminology
- ✓ Improve confidence in working with valves
- ✓ Study at your own pace with expertly structured content



COST: INTRODUCTION TO VALVES

R9 900,00

Please enquire about a quantity discount



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