



Essential Valve Knowledge

Introduction to Essential Valve Knowledge (EVK)

The Essential Valve Knowledge (EVK) courses offered by Score Training have been designed to provide engineers, buyers and operations personnel in the oil and gas industry with a critical understanding of valves and associated equipment.



Part of the Score Group of companies, providing valve maintenance and management services to the oil, gas, subsea and energy industries, Score Training draw on over thirty years of experience and expertise in our field to deliver practical training solutions to operators and service companies worldwide.

In the EVK Level 2 course, attendees are given the opportunity to strip down valves and examine their components. Through this, attendees gain a real insight as to how valves function

Practical training is delivered in our custom-built training workshop. The workshop is extensively resourced with a full range of specialist equipment including hydrostatic and gas test cells, a PSV test cell and a simulated flow-spool. An extensive range of training valves in a variety of conditions is used during workshop sessions to provide training delegates with experience in realistic scenarios.

“Both instructors’ explanations were excellent. I would highly recommend this course to any personnel who require that extra bit of knowledge and understanding of valve functions and valve operation.”

“The standard of training was very high. This was helped by the fact the trainer was an expert in their field. I am now more confident in my role and feel I have a much better understanding of valves.”

Essential Valve Knowledge Level 1

Entirely classroom based; 3D modelling and an extensive selection of cut-away training valves are used to aid visualisation and understanding of valves and their main components.

Course Content

The course focuses on the following valve types:

- Pressure Safety Valves
- Control Valves
- Check Valves
- Needle Valves
- Plug Valves
- Gate Valves
- Globe Valves
- Ball Valves
- Butterfly Valves
- Choke Valves

Training also provides a basic appreciation of the following areas:

- Flow manipulation
- Pressure
- Common valve defects
- Hydrocarbon releases

Following training, delegates will have the necessary knowledge to identify the primary valve types, operators and the principles of their selection. A heightened awareness of the potential failures that can lead to hazardous situations will be gained.



Duration:
1 Day

Essential Valve Knowledge Level 2

Through a combination of theory and workshop-based training, delegates are given the opportunity to strip down various valve types, enhancing understanding of their components and functions.

Course Content

The course focuses on the following valve types:

- Pressure Safety Valves
- Control Valves
- Check Valves
- Bellows Valves
- Plug Valves
- Gate Valves
- Globe Valves
- Needle Valves
- Ball Valves
- Butterfly Valves
- Choke Valves

Workshop-based training also covers:

- Seats & Seals
- PSV Calibration
- Non-Invasive Maintenance
- Pressure Forces
- Pressure Testing

As a result of the training, personnel will be able to identify and operate a range of valve types, spot the early warning signs of any potential problems and test valves to ensure they are functioning correctly. They will understand when and how to apply basic valve maintenance techniques.



**Duration:
5 Days**

This course is available at a rate discounted by 20% to those who have already attended the Level 1 course.

Safe and successful operations in the oil and gas industry require a critical understanding of how valves and their associated equipment operate. Equally important is recognition of potential leaks, hazards and failures and an appreciation of crucial valve maintenance. In fact, awareness of valves is crucial whatever your role in the industry.

Our Essential Valve Knowledge training provides this understanding; it is delivered at two levels and is suitable for all. The level of course most suited to you will be dependent on your job function and experience.



Level 1 – Introductory

Designed to build basic valve awareness, this introductory course is suitable for those who have no prior knowledge or who have a basic appreciation of the primary valve types. Course delivery can be tailored to suit any audience including office-based personnel and those who are new to the industry.



Level 2 - Advanced

An in-depth course that is a 50/50 split between workshop and classroom-based training. Delegates have the opportunity to strip down valves and actuators, examine their internal components and discover how these can deteriorate. Effective maintenance techniques are also demonstrated.

This course has been designed for engineers, operators, mechanical technicians and valve buyers.



More information on each of these courses and their content is provided overleaf.

Score Training also offer a range of courses on specific valve types, accessories and maintenance including:

Actuators (1 day)

Ball Valves (1 day)

Compression Packing (1 day)

Control Valves (1 day)

Plug Valve Maintenance (1 day)

Pressure Safety Valves (3 days)

Sealant Injection (1 day)

For a full list of courses visit our website or contact us at the address below.



Score Training

Admiralty Gateway

South Road, Peterhead

AB42 2ZX

Scotland, UK



+44 1779 482333



be.trained@score-group.com



www.score-training.com

