



Pressure Safety Valves Training

PSV TRAINING

It's paramount for safety that anyone working around PSVs understands how they function, has the ability to recognise common faults and knows exactly how to rectify these.

Score has provided comprehensive PSV overhaul and test services for all types of relief valve to the energy industries worldwide for over 30 years. Our team of over 100 field service technicians are trained in-house and our courses are continually updated based on experiences in the field, making our training team second to none when it comes to PSV training.

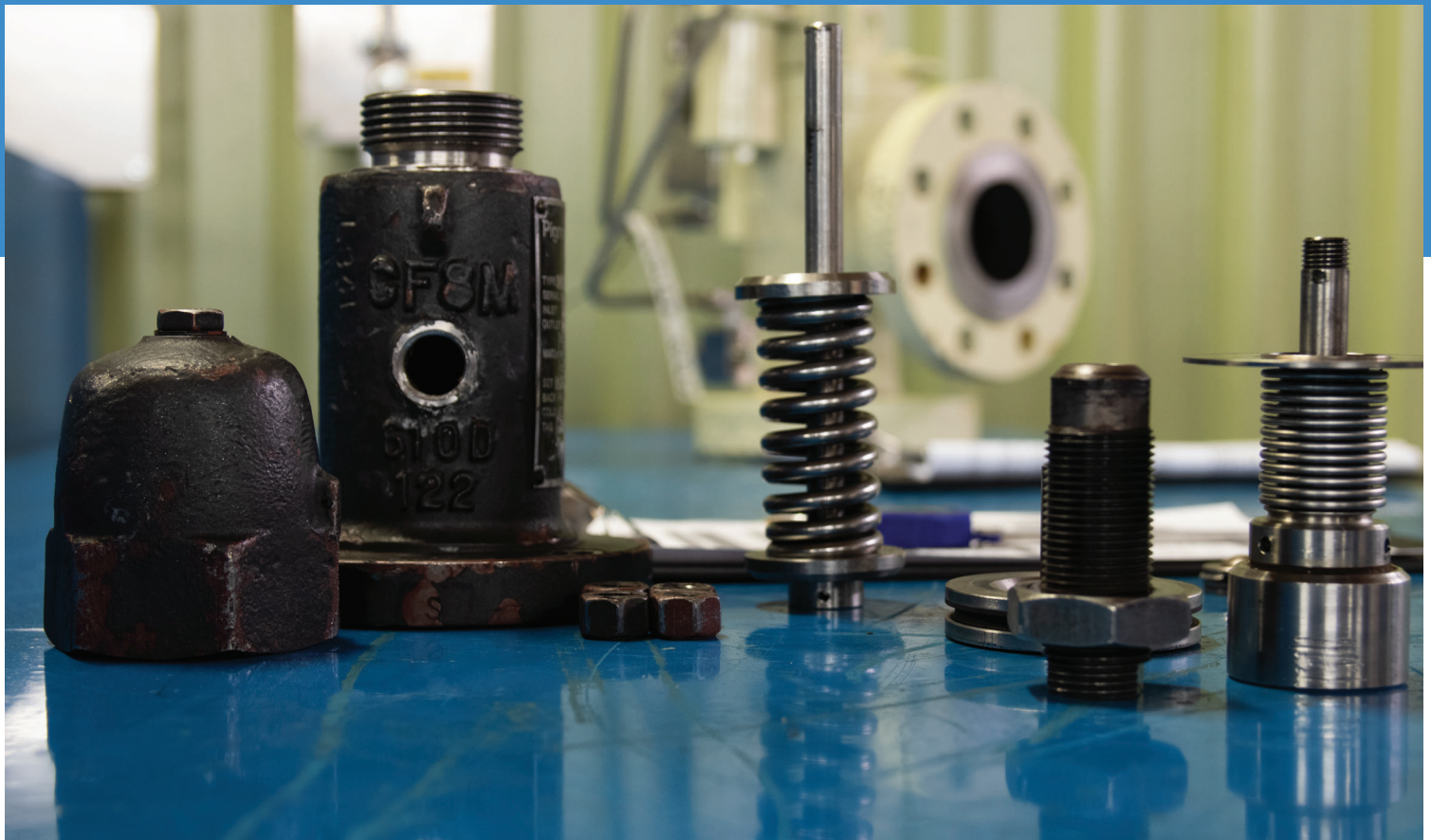
Whether you're looking to gain basic insight on PSV terminology and how to communicate PSV issues or are looking to carry out overhaul and test procedures, our range of expert-led courses provide the perfect balance between theory and practical training and the opportunity to gain hands-on experience working on PSVs in a safe, workshop environment.

Particular brands of PSV may be sourced for training on request.

"Great course, great facilities, competent trainer. Very enjoyable with good mixture of practical and written."

"Excellent course, well delivered and learned a lot. Instructor very knowledgeable with good manner of teaching."

"Interesting course, in-depth information."



PSV: 3 DAY COURSE

THEORY

Overview of PSV types, fail modes & insight into issues

PSV terminology

Interpret PSV tag information for various PSV types including direct spring (conventional & bellows) & pilot operated

Recognise common defects & the causes of poor performance

Guidance on problems found during strip down, component inspection & reassembly

PSV overhaul & test procedures (including test specifications)

PRACTICAL

Rectify common PSV faults/defects

Inspection & pre-testing of PSVs

Inspection & overhaul of components

Build & test PSVs to relevant standards

PSV test verification/witnessing

Completion of examples of relevant documentation

Specific training valves may be available on request



The course incorporates the testing of various PSVs (including Pilot Operated) & a written assessment upon completion of training.

PSV: SHORT COURSES

Shorter courses focusing on a specific PSV subject.

PSV APPRECIATION

1 DAY

An introductory course suitable for those with little or no PSV experience. Attendees will build a basic awareness of how PSVs operate, their common applications and basic PSV terminology. Training provides a basic understanding of PSV testing and re-certification processes.

DIRECT SPRING PSVs

2 DAYS

Direct Spring PSVs – The benefits of their use and an understanding of the theory surrounding their operation, calibration, troubleshooting, overhaul and test procedures. Training includes a workshop-based session and attendees will gain an understanding of relevant terminology and industry standards.

PILOT OPERATED PSVs

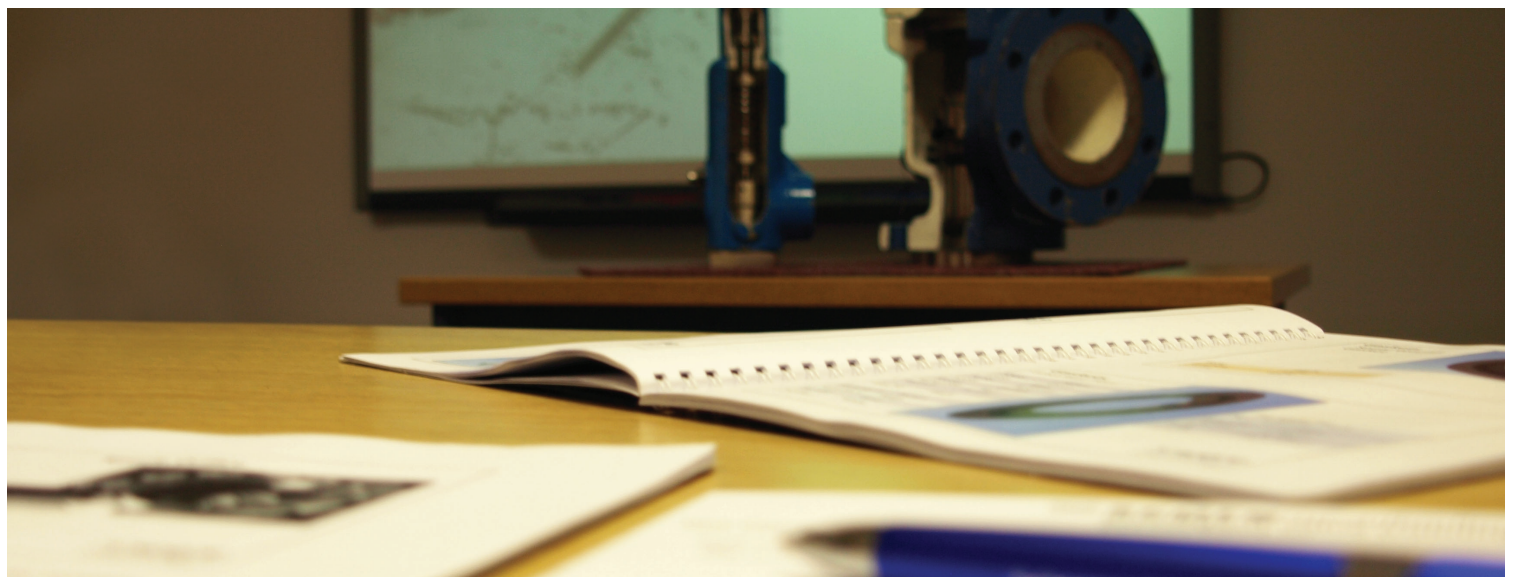
2 DAYS

POPSVs – The benefits of their use and an understanding of the theory surrounding their operation, calibration, troubleshooting, overhaul and test procedures. Training includes a workshop-based session and attendees will gain an understanding of relevant terminology and industry standards.

PSV INSPECTION & VERIFICATION

2 DAYS

This course focuses on PSV test types and the interpretation of valve data, test specifications and acceptance criteria. Following training, attendees will understand whether a test is accepted or failed, recognise if a test has been sabotaged and will appreciate the consequences of incorrect inspection techniques.



Valve Awareness Training

Ball Valves	1 Day
Butterfly Valves	1 Day
Compression Packing	1 Day
Control Valves	1 Day
Direct Spring PSV	2 Days
Essential Valve Knowledge Level 1	1 Day
Essential Valve Knowledge Level 2	5 Days
Materials, Platings and Coatings	1 Day
Pilot Operated PSVs	2 Days
Plug Valve Maintenance	1 Day
Pressure Safety Valves	3 Days
PSV Appreciation	1 Day
PSV Inspection & Verification	2 Days
Through Conduit Gate Valves	1 Day

Valve Maintenance Training

Compression Packing	1 Day
Sealant Injection	1 Day
Sealing Arrangements: O-Rings	2 Days

Training on Associated Equipment

Acoustic Emissions (AE) Leak Detection using Midas Meter®	1 Day
Actuators	1 Day
Compression Fittings & Tube Bending	1 Day
End Connections	1 Day
Pressure Testing	1 Day
Screw Threads	½ Day
Subsea Xmas Tree and Wellheads	1 Day
Torque	1 Day

ECITB Approved Training

MJI 10&19: Hand & Hydraulically Torque Bolted Connection Techniques	1½ Days
MJI 10: Hand Torque Bolted Connection Techniques	1 Day

ECITB Approved Testing

TMJI 10 Technical Test: Dismantle, Assemble & Hand Torque Flanged Joints	2 Hours
TMJI 11 Technical Test: Dismantle, Assemble & Hand Torque Clamp Connectors	2 Hours
TMJI 18 Technical Test: Dismantle, Assemble & Tensioning Bolted Connections (Hydraulic Tensioning)	2 Hours
TMJI 19 Technical Test: Dismantle, Assemble & Hydraulically Torque Flanged Joints	2 Hours
TMJI 20 Technical Test: Dismantle, Assemble & Hydraulically Torque Clamp Connector Joints	2 Hours
TSBT 01: Assemble & Install Small Bore Tubing Assemblies (Twin Ferrule)	2 Hours
TSBT 02: Disassemble & Reinstall Small Bore Tubing Assemblies (Twin Ferrule)	2 Hours

Score Training are part of the Score Group of companies. With headquarters in Peterhead, Scotland, Score Group plc have been providing valve repair and supply services for over thirty years. Today the company boasts the largest stock of valves and actuators in the world and hosts a global network of facilities in over thirty countries, providing engineering services across five continents within a range of sectors including oil & gas, nuclear and marine.

Originally formed to train and support the trading companies within the Score Group, the Score Training team have extensive experience in the development and delivery of technical training courses and the design and publication of promotional, safety or training-based videos, websites and literature.

Score Training draw on this experience to offer a range of technical training courses externally. Training focuses on a range of valve types, valve maintenance and accessories.

The heightened demand for industry personnel to possess a strong understanding of valves and associated equipment led oil and gas companies to seek independent expert training. As a result, today, Score's Essential Valve Knowledge courses are increasingly recognised as the benchmark for valve knowledge training.

In 2015 Score Training gained ECITB approval to operate as a validated ECITB training and testing centre.

Training facilities include five dedicated workshop areas, each fitted with a range of specialist equipment including hydrostatic and gas test cells, a pressure safety valve test cell and a simulated flow-spool. Facilities ensure an in-depth training experience that is true to the working environment.



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