



Sealant Injection and Plug Valves Training

SEALANT INJECTION & PLUG VALVES

The sealant injection process is carried out for a variety of reasons. Used correctly, sealant can:

- Prevent the release of fugitive emissions
- Be included as part of routine maintenance
- Flush out dirt and debris in order to improve sealing operation
- Seal the pressure retention envelope of a valve in order to prevent external leakage

Score Training's Sealant Injection and Plug Valve courses train technicians in sealant injection techniques and best practice. Our courses provide valuable information on possible failure points, fail modes and the causes of failure. Training specifically looks at each of these points in relation to a variety of valve types, aiding technicians to recognise the early warning signs of potential failure and to take precautions to prevent leakage.

In order for sealant to be effective in blocking leaks, the correct injection equipment and media must be used. Technicians need to fully understand the difference between lubricant, lube/sealant and sealant, and when and how to appropriately use each of these. Our expert-led courses provide candidates with all they need to know and allow the opportunity to gain hands on experience carrying out the sealant injection process within a safe workshop environment.

Our Plug Valve course takes the concept of our Sealant Injection training and focuses on applying the skills learnt to working on Plug Valves. Each course is 1 day in duration and provides a careful balance of classroom and workshop-based sessions.



"Great trainer. Great knowledge to share. Overall a good course that has taught me valuable information that I will use."

"Instructor was very knowledgeable due to previous industry experience and used examples to assist with course content."

1 DAY COURSES

THEORY

Identify basic valve types that may benefit from sealant and grease injection.

State the various types of media used and the advantages of each.

The importance of planned maintenance routines.

Identify potential loss of production problems and safety issues.

***Plug Valve course only**

Focus on Plug Valves and how they function.

Benefits of modern Plug Valve designs.

Failures that can effect plug valves and how to prevent or reduce these effects

PRACTICAL

Identify the equipment and media used in the sealant injection process.

How to inspect and use injection equipment and fittings safely.

How to perform the sealant injection process safely, using best practice techniques.

How to monitor for leakage after completion of sealant injection.

***Plug Valve course only**

Removal of plug valve obturator and inspection of plug valve components.

Understanding of plug valve preload screw adjustment.

Differences between cavity injection and stem injection.



"Good course. Gained knowledge in all aspects of the training. Will utilise when offshore."

"Recommended for all personnel who are exposed to plug valves or need to operate them."

Score Training is part of the Score Group of companies. With headquarters in Peterhead, Scotland, Score Group plc has 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 draws 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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