



Certified Testing & Intelligent Valve Management™ from a Global Independent Valve

Valve failure can lead to inefficient operation of piping systems and downtime, or in the case of external leaks can cause fire, explosion or contamination hazards. Standard valve tests specified in the international standards are not always sufficient to demonstrate fitness for purpose in certain critical applications.

At Score (Europe) Limited's dedicated Research and Valve Test facility, valve functions are performed to a prescribed minimum performance in conditions which are more extreme than the actual anticipated, or worst possible case service conditions. Total confidence in valves can only be fully achieved by investing both time and money into extensive product testing which truly reflects the operating conditions that the valve is likely to be exposed to during its installed life cycle. This extreme testing has the ultimate environmental advantages as well as maximising productivity.

Engineering Testing

A range of testing types and techniques are performed at our state of the art facilities. These enhanced testing methods include Cryogenic, Fire, Gas and Hydrostatic tests which are then independently verified and certified on site, further reducing lost time.

PR2 Testing

In order to fully test valves which may be subject to extreme temperature and pressures, PR2 testing can be completed at our facility. Performance verification is fully subject to various qualifications including API 6A. This type of testing gives operators complete confidence in the performance of the valve through its working life in the harshest of environments. (-196 Deg C to + 500 Deg C).

Hydrostatic Testing

We can conduct Hydrostatic testing of valves in accordance with API 6D and ISO 14313, to verify strengths of the main components such as the body, bonnet, ends and seats and to prove the integrity of the valve's pressure retention envelope and seat sealing capability. Hydrostatic testing is normally carried out using a non-hazardous liquid medium such as inhibited water at prescribed pressures. Both the body and the seats would be tested and leakage can be measured by viewing the pressure gauge, or recording pressure over time on a chart recorder device.



Fire Testing

Fire testing is carried out to our customer's requirements and to standards BS EN ISO 10497, API 607, 589 and API 6FA, 6FB, 6FC and 6FD. The purpose of fire testing is to examine the performance of a valve in case of a fire. Valves can be flame burned and tested in our purpose built fire test building. Manoeuvrable and adjustable gas burners can direct the flame to any particular area surrounding the valve in accordance with the customer's requirements. Temperatures can exceed 1000°C.

Gas Underwater Testing

Valves can be pressure tested using a nitrogen gas medium with the valve completely submerged. Underwater cameras allow our technicians and clients to view and monitor the valves performance from the test room.

High Pressure Gas Testing

Utilising high pressure pumping systems, valves and associated products can be tested at up to 30,000psi. Very small leakage rates can be measured by fully calibrated micromanometers.

Fugitive Emission Testing

Fugitive emissions are a major concern in the industry today with stringent standards set to reduce. Testing can be performed to examine valves in order to meet environmental standards.

Slurry Testing

Slurry testing is carried out to investigate the integrity of the valve in high viscosity conditions. Upon completion of testing, investigations can be carried out to establish possible solutions.

Cyclic Testing

Deterioration in product performance can be accurately measured in continuous cycling tests either over the expected life of a valve and / or operating device, or to the point of complete breakdown of component integrity.

Low Temperature / Cryogenic Testing

For low temperature and cryogenic testing we have four purpose built thermally insulated cryogenic chambers which are digitally controlled and monitored. Valves can be tested at temperatures as low as - 196°C in accordance with BS 6364.

Operators require maximum efficiency from valves within any plant situation.



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