

# SPECIALISED VALVE TESTING



Score **(Europe) Limited**

Intelligent Valve Management™

[www.score-europe.com](http://www.score-europe.com)

## Specialised Valve Testing, Repair and Consultancy

### Pressure & Performance Testing

- Specialists in shell, leakage & performance tests.
- We test valves, pipeline, wellhead, Christmas tree & downhole equipment.
- Cranes - 32 Ton, 2 x 20 Ton, 10 Ton & 2 x 5 Ton.

### Hydrostatic Testing

- Up to 30000 psi.
- Test cells fitted with CCTV & data logging equipment.
- API598, API6A, API6D, API17G etc.

### High Pressure Gas Testing

- Gas underwater test pit, up to 7 meters in depth.
- Up to 30000 psi test pressure.
- Test equipment is submerged in a blast proof water tank.
- CCTV, data logging equipment & electronic leak detection.
- API598, API6A, API6D, API17G etc.

### Qualification Testing

- FAT - PSL 3/3G testing.
- API17G, API6A PR2 qualification testing.
- Valve Shear testing - conducted to API17G.
- Temperatures -196°C to +450°C.

### Fire Testing

- Fire test facility capable of testing any valve type or class up to & including 16" API 20K in accordance with BS EN 10497, API 607, API 6FA, API 6FC & API 6FD. Specification temperature requirement to maintain between 1400 & 1800°F (761 & 980°C).
- Full compliance in accordance with API 6FB Part I Onshore Locations & Part II Offshore Well Bay Conditions. This is inclusive of bending test with the capacity to simulate bending moments up to 500 000 NM & the specification temperature requirement to maintain between 2000 & 2500°F (1093 & 1371°C).
- Other international & customer specifications can be accommodated.

### Bend Test / Bending Moment

- Capacity to conduct bend test / bending moments up to 500 000 NM & simulate temperatures between -120°C to 1400°C.

### Capacity Testing

- Valve flow coefficient tests carried out to ISA-75.02.01.

### High & Low Temperatures Including Cryogenic Testing

- 5 purpose built cryogenic chambers.
- Digitally controlled & monitored.
- Temperatures range between +450°C & as low as -196°C in accordance with BS 6364.

### Fugitive Emission Testing

- Testing is carried out to ISO 15848 & client specifications.

### Slurry Testing

- Slurry testing is generally carried out to API14A & API6AV1.
- Other international & customer specifications catered for.
- Condition / failure report carried out to establish possible solutions.

### Burst Testing

- Burst testing is a destructive test managed on an individual basis.

### Endurance Cycling

- Testing typically carried out to API17D.
- Up to 15000 psi.

### Valve Repair & Overhaul

- Isolation, control valves & PSVs.
- Fast turnaround.
- Failure investigations / root cause analysis.

### Valve Modifications

- Reverse engineering & modification of components, saving time & money.
- Modification of our vast range of stock valves.
- All design work & calculations controlled by our engineering team.

### Engineering Services Overview

- FEA / CFD Services.
- Isolation & Control Valve Engineers.
- Metallurgical Support.
- Actuation / Control Specialists.
- Documentation Management.
- Inspection / Expediting Services.
- Technical Consultancy – Design review, valve narratives, valve datasheets & specification review.

# SPECIALISED VALVE TESTING

**Certified Testing** and **Intelligent Valve Management™**  
from a **Global Independent Valve Research & Test Centre**

With our industry leading valve expertise we can provide you with rapid and, if necessary, bespoke solutions to any of your valve requirements. Score **(Europe) Limited's** specialist test facility comprises of:

- Specialist pressure & performance testing equipment.
- A valve overhaul workshop occupied by highly skilled & experienced valve technicians, capable of overhauling, testing & re-certifying any type of valve.
- Machining centre.
- On-site engineering & metallurgy team.

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.

Total confidence in a valve's performance, longevity and sustainability can only be fully achieved through testing which truly reflects the operating conditions that the valve will be exposed to during its life cycle.

This extreme testing has the ultimate environmental advantages as well as maximising productivity.

Operators require **maximum efficiency** from valves within **any** plant situation.

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