

KW Pressure Testing Ltd is a full qualification testing partner to the Oil, Gas, Subsea, Oceanographic, Materials Science and Energy sectors. We provide high quality environmental and pressure testing services including qualification, type approval and factory acceptance testing along with assisting new product development.

Our experienced engineers operate five dedicated test cells at our purpose-built, in-house high pressure testing facility with automated pressure and temperature control systems with data logging and full test reporting. Hyperbaric, Hydrostatic, Gas, Submerged Gas and Environmental Pressure Testing inline with customer specifications along with industry standards.

**Hyperbaric Testing • Hydrostatic Testing • Gas Testing • Environmental Testing**  
**• PR2 Testing • IBL Testing • Fugitive Emission Testing •**  
*Cryogenic Testing Coming Soon*



# TESTING CAPABILITIES

## HYPERBARIC TEST CHAMBERS

### 1483 / 1666 BAR

Pressure (250°C)	1483 bar / 21,500 psi
Pressure (Ambient)	1666 bar / 24,160 psi
Temperature	20°C to 250°C
Bore size	Ø400mm
Bore depth	1800mm
Test Media	Water / Water + Glycol

### 700 BAR

Pressure	700 bar / 10,000 psi
Temperature	0°C to 100°C
Bore size	Ø500mm
Bore depth	2500mm
Test Media	Water / Water + Glycol

### 100 / 300 BAR

Pressure	100 bar / 1,450 psi	300 bar / 4,350 psi
Temperature	0°C to 300°C	0°C to 300°C
Bore size	Ø205mm	Ø205mm
Bore depth	375mm	300mm
Test Media	Water	Water

- Fully-enclosed cells with safety interlock doors
- Quick-acting closures to maximise turnaround
- Multiple ports and penetration options
- Vertical, 700 / 1483 bar. Vertical / Horiz. 100 / 300 bar
- Test product DUT handling system

## MULTI-FUNCTIONAL TEST PIT

Built to accommodate a wide range of components and equipment (which are isolated within the test pit) with a blast proof closure. Used for gas and hydrostatic testing, can be quickly filled for submerged gas testing.

Dimensions	3m length x 2m wide x 2.5m deep
Overhead Crane	7.5 tonne capacity

## HYDROSTATIC TESTING

At our dedicated centre, we operate state-of-the-art hydrostatic testing equipment, with the capacity to test at pressures of up to 40,000 psi.

Pressure	40,000 psi
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## GAS / SUBMERGED GAS TESTING

Simulating the working conditions of critical components during testing is safely undertaken within our test pit. Products can be tested with internal gas pressures up to 24,500 psi, with any leakages detected. **API 6A PSL-3G**

Pressure	24,500 psi
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## ENVIRONMENTAL CHAMBER

Providing a wide variety of environmental test conditions to recreate those encountered by industrial products, parts or test components in their field of use.

Dimensions	2m wide x 3m deep x 2m high
Temperature	-70°C to +450°C
Weight Capacity	5,000 kg
Gas	Up to 24,500 psi
Hydrostatic	Up to 40,000 psi

