

TEST FACILITIES



DESCRIPTION

In order to better serve the demanding needs of the subsea connector industry, **SEACON** continues to expand the scope and capacity of its connector and component testing facilities, introducing a number of new state-of-the-art testing capabilities. These test facilities are configured to support qualification and factory testing of **SEACON** products to industry standards and customer specific specifications. Implementation of these on-site test facilities enables **SEACON** to provide its customers with a quicker and more efficient service for qualifying and factory acceptance testing of its products.

In recognition of the importance of the subsea connector product range, **SEACON** has heavily invested in its connector product test equipment in order to provide its customers with confidence that their products are safe, reliable and suitable for the intended use.

KEY FEATURES

- Pressure Vessels:
 - PV1 - 6" x 24" 20k psi
 - PV2 - 30" x 96" 2k psi
 - PV3 - 10" x 42" 10k psi & Temperature Controlled
 - PV4 - 39" x 110" 6.75k psi
 - PV5 - 30" x 120" 10k psi
- Pressure Testing Capabilities:
 - Fiber batch testing
 - Contact/Header
 - Connector
 - Customer contract pressure testing available

QUALITY

- **SEACON** Advanced Products, LLC operate a Quality Management System certified to ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007.



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PRODUCT DATASHEET

TESTING CAPABILITIES

- Electrical Testing:
 - Continuity
 - Leakage Current
 - Meggar
 - Hi-Pot
 - Dielectric Withstand
 - Breakdown
- Optical Testing:
 - Single-Mode and Multi-Mode
 - Optical Time Domain Reflectometer (OTDR)
 - Optical Power Meter(s)
 - Optical Interferometer
- Optical Oil-Fill Cleanliness Testing
- Component Cleaning Verification Testing
- Environmental Testing
- Accelerated Life Testing
- Long Term Testing
- Mechanical Testing
- Bonding Testing
- Destructive Testing
- Cross-Section Analysis
- Batch Testing
- Connector Wet-Mate / De-mate Testing at Pressure (various subsea connector mating fixtures)
- Turbid Sand Silt testing
- Helium (Sustained Leak Rate): 4 single channel transducer @ 0-10 VDC (-15 psi to 85 psi)
- Helium Mass Spectrometer Leak Detecor (x10-11 atm.cc/s)
- Enviornmental Chamber
- Mechanical Shock and Vibration
- Testing Oven
- High-Fidelity Splicer
- Plasma Work Station
- X-Ray Fluorescene Testing (PMI)



PRESSURE TESTING

PRESSURE VESSEL PV1

Certified to 20,000 psi (1,379) working pressure per ASME Section VIII, Div. 1, 6" ID x 24" deep, suitable for small connectors to undergo live testing with low temperature capability.



PRESSURE VESSEL PV2

Certified to 1,923 psi (132 bar) working pressure per ASME Section VIII, Div. 1, 30" ID and 96" internal straight length. Hydraulically actuated "rotate" vessel head. Suitable for 2 concurrent **HYDRALIGHTS** (or other connectors) to undergo live mate/de-mate testing and full cable assemblies. Has three penetrations, 2 on the side and one on the top.



PRESSURE VESSEL PV3

The pressure monitoring of these vessels are now controlled by digital pressure/temperature transducers with the capacity of an electronic report. In addition, PV3 is now capable of controlled/monitored pressure and temperature cycle testing (25°F to 158°F).

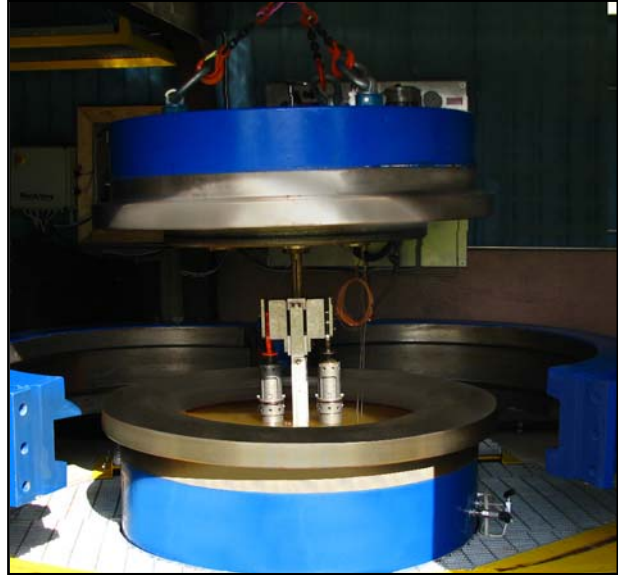
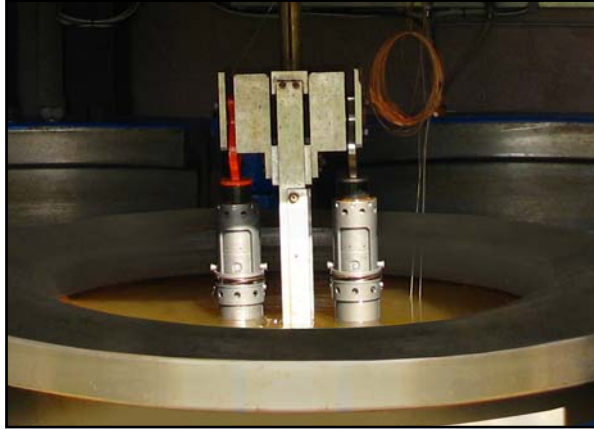


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PRODUCT DATASHEET

PRESSURE VESSEL PV4

Certified to 6,750 psi (465 bar) working pressure. ID 39" and 110" deep. Has five penetrations. Is computer controlled and has ability to print charts for customers.



PRESSURE VESSEL PV5

Certified to 10,000 psi (689 bar) working pressure. ID 30" and 120" deep. Has multi-directional hoist. Accessibility via forklift or truck.

Penetration tooling available for rental or as a customized purchase. We offer half days and full days depending on total hours. Expedited service is available. Specialized test equipment can be provided.



For more information or a quote call +1 (979) 865-8846 or email sales@seacon-ap.com

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