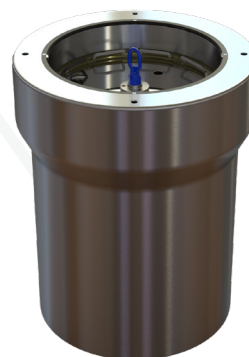
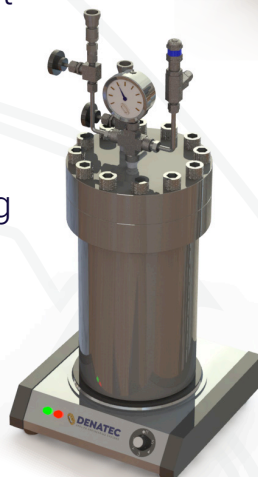


# HIGH-PRESSURE EQUIPMENT, VESSELS AND AUTOCLAVES

For institutes carrying out research & development (R&D) and scientific studies or companies needing to interface with their own pressure equipment

Denatec can supply compatible High pressure, High Temperature Equipment, Manifolds, Connectors, Vessels or Autoclaves of any size and volume.

- ◆ Material Chemical Compatibility Studies
- ◆ Parallel synthesis for development of new compounds
- ◆ Hydrogen Fuel Cell Development
- ◆ Bio-Methane production
- ◆ HIC, SSC, SCC and/or SSR Testing of materials used in O&G
- ◆ Hydrostatic Valve & Connector Interface Testing
- ◆ Product life-cycle testing



Designed with the client's equipment in mind and configured to carefully manage and control each test parameter, these systems provide all the operational and safety requirements needed.

- ✦ Single, double & multi-entry access
- ✦ Vertical or Horizontal Orientation
- ✦ Elastomeric Seal, Gasket or Metal to Metal Seal  
-196°C to 2200°C
- ✦ Internal & external media turbulence devices  
Reactors that enable multiple reactions in parallel with individual temperature (300°C) and pressure (3000 psi) control and data logging.
- ✦ 0 to 4100 Bar (60,000 psi)
- ✦ Manifold blocks that allow testing for multiple stab type connectors up to 22,500 psi
- ✦ Bolted, Threaded & Split Clamp Flanges, 1/4 or 1/8th turn closure mechanisms and Manual/
- ✦ Auto-Segmented Ring closure styles
- ✦ High Alloy Carbon with Stainless Steel liner or solid Stainless Steel construction
- ✦ Integrated valves, burst disc assemblies, gauges and pipework.
- ✦ Sapphire Windowed Vessel for in-situ spectroscopic measurements and reaction monitoring.
- ✦ Tensile Testing of material samples whilst subject to high pressure & high temperature

All equipment is subject to a comprehensive Factory Acceptance Test before being delivered to the customer.

All equipment is subject to a comprehensive Factory Acceptance Test before being delivered to the customer. Denatec carry out the positioning, siting and installation of the equipment before completing a rigorous Site Acceptance Test. (SAT).

Upon successful customer sign off, Denatec carry out formal training in the correct and safe operation of the equipment, issuing the final technical documentation and certification upon completion. Written Schemes of Examination can also be provided if required.



Get in touch today and we can discuss the best engineering solution for your business

[denatec.co.uk](https://denatec.co.uk) | 01257 676328 | [sales@denatec.co.uk](mailto:sales@denatec.co.uk)

Denatec Denatec Ltd Denatec Ltd Denatec

Denatec Ltd, Unit 6, East Chorley Business Centre,  
East way, Chorley, Lancashire, PR6 0BJ



**DENATEC**  
APPLIED ENGINEERING SYSTEMS



A Member of  
North & Western  
Lancashire  
Chamber of Commerce

