



PRESS RELEASE

Custom High Pressure Parallel Reactors

Proven in numerous installations worldwide, the **Asynt High Pressure Parallel Reactor** can be custom configured to optimally suit applications including homogeneous and heterogeneous catalysis, hydrogenation, carbonylation, corrosion testing, parallel synthesis and screening.

Typically constructed from durable 316 stainless steel - the High Pressure Parallel Reactor is an affordable, compact unit that can be used to screen 10 x 30 ml reactions at pressures of up to 200 bar and temperatures of 320°C. The High Pressure Parallel Reactor can be used with a hotplate stirrer or can be customised to have more rapid heating and/or multiple temperature zones.

There are a wide variety of options available to customise this versatile parallel reactor, from facilities for internal cell measurement, sealed sample/additions valves, condenser jackets, electrical heating options, liquid charging systems, gas supply/mixing systems, air driven stirrers, purged heating chambers, and many more. Drawing upon skilled UK craftsmen – Asynt can also build these reactors from alternative materials including Hastelloy, Inconel, Titanium and alloy steels, allowing for greater heat capacity and use with particularly corrosive or caustic chemicals.

Asynt Ltd

Unit 29 Hall Barn Road Industrial Estate Isleham Cambridgeshire United Kingdom CB7 5RJ
T: +44 (0)1638 781709 F:+44(0)1638 781706 sales@asynt.com www.asynt.com

Registered office: Eldo House, Kempson Way, Bury St Edmunds, Suffolk, IP32 7AR Registration No: 5160407
VAT No: GB 838 5592 82



Individually designed to optimally suit a wide spectrum of needs, each Asynt High Pressure Parallel Reactor is extremely easy to set-up (one simple closure) and has a fail-safe mechanism to protect the operator.

All Asynt high pressure reactors conform to a wide range of national and international safety standards, including the Pressure Equipment Directive 97/23/EC (PED), Pressure Systems Safety Regulations 2000 (PSSR) and British Compressed Gases CP4 Rev2 (1998).

For further information please visit <https://www.asynt.com/product/custom-high-pressure-parallel-reactors/> or contact Asynt on +44-1638-781709 / enquiries@asynt.com.

Asynt is a leading supplier of affordable products, consumables and services for chemists in industry and academia. With staff of trained chemists - Asynt can draw upon this in-depth applications knowledge to provide a high level of customer support for its DrySyn Heating Blocks, Controlled Lab Reactors, Synthesis Tools, Evaporators, Circulators, Temperature Control Systems, Vacuum Pumps and Laboratory Safety Equipment.

JULY 2018

asyntpr84.doc

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Illustrative images: (available on request)



Caption: Customised High Pressure Parallel Reactor



Caption: Standard High Pressure Parallel Reactor

For more information please contact:

Media: Dr Bill Bradbury

+44-208-546-0869 / info@primetek-solutions.com

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