

Catalysis tools

The manufacture of a high proportion of industrially important chemicals, and most biochemically significant processes, involve catalysis. Research into this area is a major field of interest.

Asynt offers a wide range of laboratory products for research into catalysis. From rapid dynamic screening under pressure, to fully automated precise optimisation investigations using the FlowSyn, Asynt could provide the solution.

The Lab Bubble:

A versatile piece of containment equipment that can be used to provide many different types of safety or controlled environments required simply by using additional components to change the function of the enclosure.

Available in a wide range of funky colours!



Parallel reactor:

offers the research scientist the ability to screen 10 high pressure reactions in parallel. Its simple design allows it to be used with a standard laboratory hotplate stirrer. The design also ensures safe operation with the opening of the vessels not being possible whilst under pressure.

- 10 x Reaction Vessels with 30 ml volume each.
- 100 bar max operating pressure.
- 200C max operating temperature.
- Safety relief valve.
- Gas inlet.
- Pressure gauge.
- 316 Stainless Steel construction.
- Locking mechanism prevents vessel opening without pressure release.
- Magnetic stirring and heating provided by a standard laboratory hotplate stirrer. Brands recommended include Asynt, IKA and Heidolph.



Also available in

Single reactor format

A great addition to any lab, able to process from 100's of microlitres up to a single reaction to the volume of the vessel, giving the chemist a great range of scale in a single reactor.



More details online ...

www.asynt.com

Tel: +44 (0)1638 781709

And even more ...



FlowSyn with fraction collector:

FlowSyn is a fully integrated, easy to use continuous flow reactor for seamless reaction optimisation and scale up from mgs to 100s of g.

FlowSyn has been designed by a team of experienced flow chemists and engineers. This modular system can be easily upgraded as the chemists knowledge and needs grow and works as the chemist wants it to, not as an engineer would.



Julabo FL300 recirculating chiller:

These versatile chillers can easily be cleaned and are provided with a splash water proof keypad with LED temperature indication. On the front of the units there is an RS232 interface as well as an alarm shutdown. The filling port is easily accessible placed on the top under a lift-up cover. All models include an easily visible level indication and drain tap behind front grill. With a working temperature range from -20 to +40°C and stability of $\pm 0.5^\circ\text{C}$



Vacuubrand MD 1C VARIO:

This 5mbar pump is ideal for vacuum applications with high boiling solvents. The hysteresis-free vacuum control prevents superheating and foaming and therefore ensures a constantly high process safety. The control enables automatic detection of vapour pressure and automatic adjustment of the vacuum level to the process requirements. Also available only from Asynt in a PLUS model with down to 2mbar control.

If there are other products you're looking for then get in touch as we're happy to source them for you!

arrange a demo in your lab today!