

PressureSyn

High Pressure Reactor

With Safety Built-in

Asynt has collaborated with the chemists and engineers at The University of Nottingham, utilising their knowledge and expertise, to develop PressureSyn – an accessible high pressure reactor, with novel safety features built-in.

Cost effective and compact, PressureSyn is the ideal solution for safely introducing pressurised reactions to your laboratory.



**The University of
Nottingham**

UNITED KINGDOM • CHINA • MALAYSIA



With **NEW** Overhead Stirring Option



You Hold The Key

The easy-to-open clamp mechanism features an original safety key design that does not allow the reactor lid to be removed without first releasing any pressure within the vessel.

Each safety key and clamp combination are unique, ensuring that the PressureSyn cannot be opened with a spare key whilst in a pressurised state.

Simple To Setup - Easy To Use

PressureSyn is designed to work on any magnetic hotplate stirrer, with a specially designed DrySyn block providing secure placement and heating up to 200 °C. Each DrySyn block includes adjustable feet and a thermocouple well to allow the user to control the temperature directly from the hotplate.

**PressureSyn: enabling chemists to work safely
and confidently under pressure conditions**



PressureSyn

Working Safely Under Pressure

Designed by chemists, for chemists

- 125 mL vessel capacity with unique, locking collar with safety key.
- Maximum pressure up to 200 bar, temperatures up to 200 °C.
- Heating via standard hotplate & stirring using magnetic stirrer bar or optional overhead stirring manifold.
- Comes with a pressure relief valve as standard, with a bursting disk as an optional extra.
- Gas inlet/outlet valve with compression fitting for attaching to steel pressure tubing.
- Additional (spare) 1/8" NPT port for customers own attachments.
- Manufactured from traceable certificated 316 stainless steel.



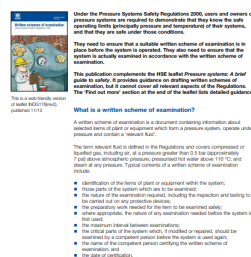
Written Scheme Of Examinations (WSE)

Working with pressure reactors and vessels in a laboratory setting requires strict adherence to safety protocols, risk assessments, and regulatory compliance. One of the most critical documents in this process is the Written Scheme of Examination (WSE), which ensures that your equipment is properly maintained, regularly inspected, and operating safely within defined parameters.

At Asynt, we understand that writing a WSE can be a complex task, particularly with varying laboratory safety regulations and site-specific requirements. That's why we offer expert guidance in creating a tailored WSE for your pressure reactor needs, helping you achieve compliance and peace of mind.

Written schemes of examination

Pressure Systems Safety Regulations 2000



Talk to our specialists about the optimum setup for your reactions performed under pressure conditions

