

## PressureSyn

### *The 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!

### *You hold the key to this unique design*

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 set up, 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.



*Designed in partnership with*



**The University of  
Nottingham**

UNITED KINGDOM • CHINA • MALAYSIA



**Certificated and tested to provide a  
maximum working pressure of 200 barg  
and temperature of 200 °C**

## Key Features

### *The high pressure reactor with safety built in*

- Unique safety key & locking clamp mechanism.
- Double pressure relief system, including burst disk and pressure relief valve.
- Maximum working pressure of 200 barg.
- Maximum working temperature of 200 °C.
- 125 mL vessel capacity.
- Heating via and standard laboratory hotplate stirrer and DrySyn heating block.
- Agitation via magnetic flea.
- Range of accessories available.
- Designed, manufactured & tested in the UK.



*"I would strongly recommend the PressureSyn to any researcher who has the need to explore a wide range of temperatures and pressures, whilst preserving important safety characteristics and a compact design. This is one of the safest autoclaves I have had the chance to work with..."*

**Dr Marco Conte, University of Sheffield, UK.**



## Popular Purchase Options

- **HPR-125-REACTOR:** 125 mL reactor
- **HPR-125-BASE:** DrySyn adapter base
- **HPR-125-GL:** Glass liner
- **HPR-125-PTFE:** PTFE liner



See how simple the PressureSyn is to set up, & watch the safety key system in action!

**Contact us for  
more information!**