



## GAS MODULE

# Safe and simple reactions with gases



- Precise gas flow rate control
- 14 gases with one system
- High pressure reactions up to 100 bar
- User friendly interface
- Compatible with the H-Cube Pro™ and the Phoenix Flow Reactor™ systems

For more information on how flow chemistry can benefit you, please, visit [www.thalesnano.com](http://www.thalesnano.com)

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## PRODUCT OVERVIEW

The Gas Module enables the user to perform reactions with gases in an easy and safe manner. The system works seamlessly with the H-Cube Pro™ and the Phoenix Flow Reactor™ systems and allows the accurate dosing of 14 different gases into the liquid stream.

## FEATURES

**Compatible gases:** compressed air, syngas, H<sub>2</sub>, O<sub>2</sub>, CO, CH<sub>4</sub>, C<sub>2</sub>H<sub>6</sub>, C<sub>2</sub>H<sub>4</sub>, Ar, He, N<sub>2</sub>, N<sub>2</sub>O, NO, CO<sub>2</sub>\*

**Pressure range:** up to 100 bar

**Robust:** high quality stainless steel parts

**Precise:** built-in mass flow controller for accurate dosing

**User friendly:** 3-button control

**H-Cube Pro™ added benefits:** automation, savable and reproducible experiment methods, automated blockage and solvent leak detection, touch screen user interface

**Phoenix Flow Reactor™ added benefits:** automation, extended reaction parameter window, scale-up

**Application areas:** oxidation, carbonylation, hydroformylation, hydrogenation



\*With preheater

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