



Safe, Simple, and Affordable Hydrogenation for Academia



- H₂ and Non H₂ reactions up to 100 bar (1450 psi) and 100 °C
- No H₂ cylinders and catalyst filtration
- Automated H₂ drying system
- Simple with built-in video tutorials



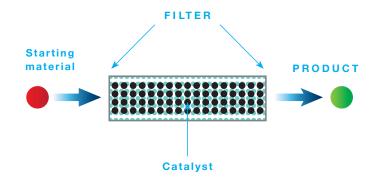
The newest member of our H-Cube Series of hydrogenation reactors, the H-Cube Mini Plus™, was developed as a safe, powerful and affordable reactor intended to bring back hydrogenation to the everyday educational curriculum and research process.

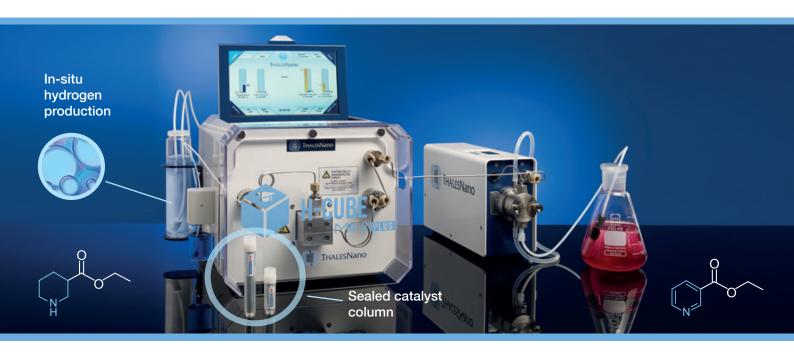
The all new H-Cube Mini Plus is the revamped version of the original H-Cube Mini. It now comes with an automated drying system, so it is now even easier and more robust than before. The system is now much more complimentary towards both research and teaching labs by allowing water sensitive reactions to be performed and increasing the simplicity of how reactions take place. Alumina based catalysis may also now be used.

Hydrogenation is one of the most important reactions in chemical synthesis, but the hazardous nature of hydrogen has restricted its use. The H-Cube® and H-Cube Pro™ have already eliminated the dangers associated with hydrogenation through the use of in-situ hydrogen generation and the handling of pyrophoric catalysts by filling them in sealed catalyst cartridges. This technology has been adopted by the leaders in the pharmaceutical, flavour and fragrance, fine chemical and agrochemical industries.

The H-Cube Mini Plus's hydrogen generation system can be easily turned off to allow heterogeneously catalyzed non-hydrogenation reactions to be performed as well such as C-C coupling reactions. For more details, please check our application notes and literature. The H-Cube Mini Plus™ is as a compact and easy to use instrument which meets with the budget of academia.

Technical Parameters of the H-Cube Mini Plus™	
Temperature range	Ambient to 100 °C
Pressure range	1 bar to 100 bar
Flow Rate	0.1–3 mL/min
Hydrogen Generation	20-25 mL/min
Water Reservoir Capacity	100 mL
Dimensions	Width: 217 mm (8.54")
	Depth: 290 mm (11.42")
	Height: 200 mm (7.87") with opened
	display, 315 mm (12.4") with opened
Weight	7.3 kg (16.09 lb)
Voltage	100-240 V AC
Catalyst Amount	0.1-0.3 g
Concentration	0,01-1M





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