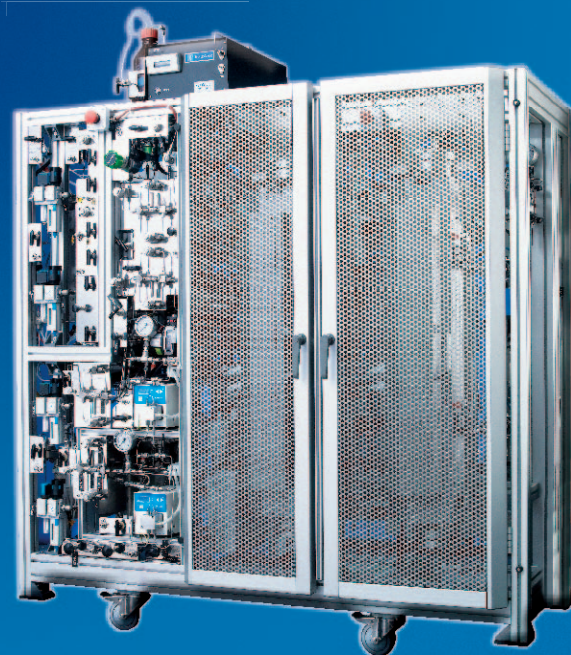




The new H-Cube Maxi™ is a continuous flow production scale chemistry platform designed to perform hydrogenation and other heterogeneously catalyzed reactions.

This revolutionary new instrument gives process scale chemists access to new and previously restricted chemistries or improvement on existing processes by reducing side product formation leading to reductions in downstream waste generation.



The harmonized ThalesNano H-Cube® product line and technology can realize continuous processing from milligrams to kilo scale production, quickly without the need for reoptimization. When used continuously, the H-Cube Maxi™ can generate tonnes of API per annum, allowing process chemists the same advantages of speed, safety and high yields that their medicinal chemistry colleagues already enjoy when using ThalesNano's benchtop products.

SPECIFICATION

- Reactor Temperature Range: Room temperature to 350°C ($\pm 1\%$)
- Reaction line temperature range: Room temperature to 80°C for viscous liquids
- Maximum Pressure: 130 bar ($\pm 1\%$)
- Liquid Flow Rate Range: 0.1 - 50 mL/min
- Gas Flow Rate Range: 10 - 1000 cm³/min
- 3 Independent Gas Lines
- Catalyst bed dimensions: 30 mm ID x 900 mm
- Duty and Standby Column for continuous processing

ADVANTAGES OVER BATCH

- Faster Scale Up
- Wider temperature and pressure range
- Precise reaction parameter control
- 24/7 continuous processing possibility
- Smaller footprint
- No catalyst filtering
- Less waste generation
- Simpler to monitor and operate

For further information please contact us at flowchemistry@thalesnano.com or visit our website: www.thalesnano.com

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