July 2014 ***.... enabling distributed manufacturing***

DN15 HP UNIT

Now you can use NiTech with high pressure

.... and be ATEX compliant

NiTech's new DN15 HP (high pressure) continuous oscillatory baffled crystalliser and reactor (COBC/COBR) offers manufacturers the opportunity to carry out a wider range of chemistries than is possible in a glass reactor.

Increased pressure is essential for some processes. It can also reduce reaction times, solvent volumes and catalyst loadings, while increasing product yield and purity.

The control system is housed in a flame-proof enclosure to allow it to be used in an ATEX environment.

The NiTech DN15 units are available in both Standard Laboratory and Pilot scale.

- Temperature range: 0 °C to +100 °C
- Oscillator frequency: 0 Hz to 3.0 Hz
- Oscillator amplitude: 0mm to 70mm
- Operating pressure: ambient – 10.0BarG
- Capacity – 3.5L

Dimensions

DN15 HP Standard: 1875mm wide x 650mm deep x 1150mm high

DN15 HP Pilot: 2200mm wide x 1215mm deep x 1750mm high

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July 2014 ***.... enabling distributed manufacturing***

DN15 LITE RENTAL UNIT

Now available for hire

….for just £1500 per week

NiTech's DN15 Lite model is now available for hire, enabling companies to undertake feasibility studies in their own laboratories.

The DN15 Lite rental model includes jacketed bends to enable optimum temperature control during crystallisation.

If required, a qualified engineer can install and commission the unit as well as train staff (at extra cost).

Minimum rental period is just 4 weeks.

DN15 LITE RENTAL UNIT SPECIFICATIONS

- 1250mL in volume and 7m long
- Size: 1110mm wide x 800m deep x 950mm high
- Typical residence time is 30 minutes at a nominal flow rate of 40mL/min

FEASIBILITY STUDIES

Organisations including **MEPI** (Maison Européenne des Procédés Innovants) in Toulouse, southwest France; **SP Process Development** in Stockholm, Sweden; and **ICES** (Institute of Chemical and Engineering Sciences) in Singapore now have operational NiTech units.

They can work with companies to support feasibility trials with NiTech equipment on a commercial basis.

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