

ColdCoil Reactor Module

Flexible Standalone Heating And Cooling Module

For Continuous Flow Chemistry

The Asynt Flow ColdCoil is a versatile standalone temperature controlled coil reactor module that, when connected to a suitable external circulator, is designed to maintain stable temperatures between -80 °C and 150 °C for extended periods.

The ColdCoil is compatible with all Asynt coil reactors, from 2.0 mL up to 60 mL capacity. These are available in a wide range of materials that includes PTFE, PFA, FEP, copper, 316L SS and Hastelloy C-276. A proprietary clamping mechanism holds the coil reactor firmly in place and ensures optimal thermal contact whilst allowing coil reactors to be easily interchanged.

An internal temperature probe can be connected directly to the external heater/chiller (via an RS232 port) to ensure accurate remote control of the ColdCoil reactor temperature.



A glass cover is provided to eliminate convective effects within fume cupboards. A vacuum jacketed glass cover is also available and is recommended for use at very low temperatures.

AsyntFlow



- Compatible with all Asynt Coil Reactors
- Accurate temperature control
- Options available to integrate with Glass Static Mixers (GSMs)
- Compatible with Asynt Borealis and PhotoSyn photoreactors
- Fitting the optional Column Adapter Mandrel allows up to 6 column reactors to be accommodated

Stable temperature control in flow chemistry reactions



ColdCoil

Optional Extras

To Assimilate Into Your Flow Setup

Glass Static Mixer Adapter

Fitting the optional GSM Adaptor extends the utility of the ColdCoil further and allows an Asynt Flow Glass Static mixer to be incorporated. This may be used as a rapid mixing device before flowing directly into a coil reactor as an incubation module.



HotColumn Adapter

The HotColumn Adapter allows up to 6 insulated column holders to be fitted. Holders are available in a range of sizes to accommodate columns from 10mm – 20mm OD. Columns are available in glass, with adjustable plungers, or 316L stainless.



PhotoSyn And Borealis

The ColdCoil can be converted into a photo-flow reactor by integrating either the PhotoSyn or Borealis high-power LED photoreactor. Both platforms include a wide range of wavelength options and integral safety features.



AsyntFlow

Talk with our technical team to discover how the Asynt Flow ColdCoil would benefit your chemistry

