



HotCoil™ Coil Heater

Coil Reactor Heating Unit for Flow Chemistry

Asynt



HotCoil™ Flow Reactor Heater

Flexible coil reactor heating module for flow chemistry



- Temperature range: ambient to 260°C (300°C option)
- Use as a standalone coil heater module in combination with your own pumps
- Adds additional reactor capacity to FlowSyn for scale-up applications
- Compatible with FlowSyn, Binary Pump Module & FlowControl™ system control software

The Asynt **HotCoil™** is a versatile standalone coil reactor heating module that is compatible with all Asynt coil reactors from 2.0 mL up to 60 mL.

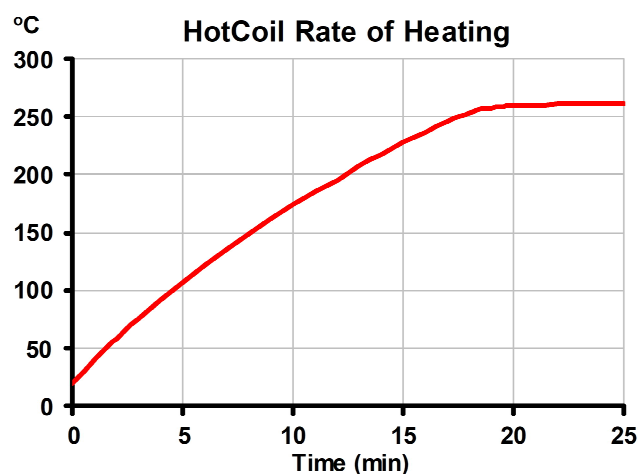
It can be used to upgrade an existing **Asynt Flow Platform** by adding additional reactors or, in conjunction with standalone pumps, to build a **FlowLab™**, **FlowLab Plus™** or bespoke flow chemistry reactor system

The **HotCoil** is controlled using the 'push to set' (red display) and 'push to start' (green display) rotary encoder on the front panel or, alternatively, remotely through the control interfaces of other Asynt flow chemistry products, such as the **FlowSyn** and **Binary Pump Module™**. Alternatively, several **HotCoils** may be controlled directly using the Asynt **FlowControl™** system control software.

The bright 7-segment LED display can be clearly seen from across the laboratory and the decimal points act as a useful visual indicator of status; tracking left to right or right to left to indicate heating up and cooling down, respectively.

A particularly useful application of the **HotCoil** is in rapid scale-up, whereby up to 2 **HotCoils** can be connected in series with the **FlowSyn** to add additional reactor capacity and thereby increase throughput at constant residence time.

The unit benefits from the same proprietary coil clamping mechanism as the **FlowSyn** which ensures optimum thermal contact whilst allowing coil reactors to be easily interchanged.



Optional extra: HotColumn™ adaptor

The **HotCoil** coil reactor module can be fitted with the **HotColumn** adaptor (shown opposite). This accessory is compatible with both stainless steel and adjustable glass column reactors.



The **HotColumn** can hold up to 6 column reactors for catalytic or scavenging applications. Holders that fit different sized columns can be specified and attached in any combination.

The temperature of the column heater blocks may be precisely controlled by fitting the optional external Pt1000 temperature sensor accessory and the insulated jackets benefit from a convenient glass viewing window.



Column Holder Options & Accessories

UQ1037-10S	Column holder assembly complete for 7 mm ID (10mm OD) 316 SS column
UQ1037-10	Column holder assembly complete for 6 mm ID (10mm OD) glass column
UQ1037-15	Column holder assembly complete for 10 mm ID (15mm OD) glass column
UQ1037-20	Column holder assembly complete for 15 mm ID (20 mm OD) glass column
UQ1037-25	Column holder assembly complete for 20 mm ID (25 mm OD) glass column
UQ1048	HotColumn remote temperature sensor assembly, Pt1000
UQ1036	Elbow connector for column. PTFE

UQ1022/UQ1023 (300°C) HotCoil Coil Heating Module — Specification

Dimensions	232 mm (w) x 243 mm (d) x 305 mm (h with glass cover)
Communication	RS232 and LAN
Power supply/weight	220V 470VA or 110V 470VA/ 5kg