

Building blocks for flow chemistry

Uniqsis

has developed an extensive range of **affordable 'building block' modules** to which you can simply **add your own pumps** to create a **flow chemistry system**.



Compatible

with a wide range of existing hardware – Uniqsis reactor modules significantly lower the cost of setting-up a high-performance flow chemistry system. Beneficially you can invest in just the capabilities you need now while preserving the ability to expand your flow chemistry system in future without redundancy.

Designed and supported by Uniqsis,

specialists in flow chemistry, these low cost / high-performance building block modules are truly a 'no compromise' solution to gaining the many benefits of flow chemistry.

The Cold Coil II Flow Reactor Module

from Uniqsis is designed to provide a flexible, entry-level solution for low temperature flow chemistry applications. Used in conjunction with an external thermoregulation circulator the Cold Coil II can maintain stable temperatures between -78°C and $+150^{\circ}\text{C}$ for extended periods of time. An adapter can be fitted to the module top to support Glass Static Mixer (GSM) chips.

Offering an operating temperature range

of ambient to $+300^{\circ}\text{C}$, the HotCoil reactor heating module provides a versatile solution for your lab to undertake a wide range of flow chemistry reactions. The HotCoil can also be upgraded with a simple adapter to support the use of glass and stainless-steel column reactors for heterogeneous catalysis reaction optimization. If you are looking for precise temperature control of flow chemistry reactions in GSM chips – then the HotChip is the heater module for you.

Uniqsis Ltd.

also offer a range of modules allowing you to create a high-performance flow photochemistry system. The Borealis is a high intensity LED lamp unit, available in a range of fixed wavelengths that converts an existing temperature-controlled coil reactor module into a flow reactor for photochemical applications. The PhotoSyn is a high-power LED light source for continuous flow chemistry scale up applications. Available with a selection of different LED arrays the unit can provide outputs up to 700W from the dedicated programmable power supply. These products give reproducible consistent light penetration, controlled exposure times and precise temperature control resulting in higher yields and improved selectivity.

Other 'building block' modules

are available for fast, efficient, and controllable gas-liquid phase flow chemistry reactions plus a solid-state inline UV spectrophotometer module with fibre optically connected flow cell for monitoring steady state conditions & control product collection.



For more information

visit <https://www.uniqsis.com/paAccessories.aspx> or contact Uniqsis now on +44-1223-942004 / info@uniqsis.com. Since 2007, Uniqsis has specialised in the design and supply of mesoscale continuous flow chemistry systems for a wide range of applications in chemical and pharmaceutical research. The company's aim is to make flow chemistry easily accessible to both novices and experienced users.

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