

High Efficiency Gas-Liquid Flow Chemistry Module

The Gas Addition Module II (GAM II) from Uniqsis is a coil reactor that permits gas to be introduced **'on-demand' to reactions** performed under flow-through conditions by diffusion through gas-permeable membrane tubing.

Using a GAM II -

your gas and liquid phases do not come into direct contact with each other at any point. As the gas dissolved in the flowing liquid phase is consumed, more gas rapidly diffuses through the gas-permeable membrane tubing to replace it. For chemists looking to perform efficient carbonylation or hydrogenation reactions - the novel design of the GAM II ensures that the flowing liquid phase does not contain any undissolved gas bubbles, thereby delivering greater stability, consistent flow rates and reproducible residence times.



Available in 2 different versions -

the GAM II can be cooled or heated just as with more conventional coil reactors. To ensure the most efficient heat transfer, the standard outer reactor tubing can be manufactured from 316L stainless steel. Alternatively, a thick-walled PTFE version of the GAM II is available that offers both improved chemical compatibility and visualisation of the reaction mixture through the opaque tubing walls.

Based upon a standard Uniqsis coil reactor mandrel, the GAM II coil reactor is fully compatible with their full range of high-performance flow chemistry systems and other reactor modules.



For further information

on the GAM II coil reactor please

visit https://www.uniqsis.com/paProductsDetail.aspx?ID=ACC_GAM_II or contact Uniqsis on +44-845-864-7747/ info@uniqsis.com.

Uniqsis Ltd

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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