



## ColdChip™

Standalone temperature control module for GSMs



# ColdChip™

## Standalone GSM temperature control module for continuous flow



ColdChip fitted with  
LARGE format GSM



ColdChip fitted with  
2 x COMPACT  
format GSMs



- Compact and convenient
- -80 °C—180 °C operating range
- Insulated PTFE cover
- Large glass view window
- Convenient threaded tubing connections
- Control remotely using recirculator with external process probe

The Asynt ColdChip™ is a standalone temperature controlled reactor module for use with Asynt Glass Static Mixer blocks (GSMs) - sometimes referred to as 'chips'.

It is designed to be connected to a heating/cooling recirculator, and can be operated from -80 °C up to 180 °C. The temperature of the hot/cold plate is measured by inserting an external temperature probe into the rear of the baseplate. Where this is the external process probe of the recirculator, then the recirculator can be used to control the temperature of the ColdChip directly.

GSMs are available in sizes from 0.27ml up to 20ml and, as such, may be used both to ensure efficient mixing and as residence time reactor blocks. As shown above, the ColdChip can accommodate either a single LARGE format GSM or, using the adaptor supplied, 2x COMPACT format GSMs.

The PTFE insulated cover has a large glass view-window that helps to prevent convective cooling whilst allowing a clear view of the GSM channels. Simple, effective, convenient!



<b>COLDCHIP™ &amp; Glass Static Mixer/Reactor Blocks</b>	
UNQ00090	COLDCHIP™, for both LARGE and COMPACT format GSMs; requires recirculator
UQ8202	Glass Static Mixer Chip 0.27 ml, 2 inputs, 3D chicane mixer, COMPACT format, (Pmax=40bar)
UQ8203	Glass Static Mixer Chip 2.0 ml, 2 inputs, 3D chicane mixer, COMPACT format, (Pmax=40bar)
UQ8204	Glass Static Mixer Chip, 5.0 ml, 2 inputs, 3D chicane mixer, COMPACT format, (Pmax=30bar)
UQ8205	Glass Static Mixer Chip, 3 inputs, 1ml mix ratio [3:7], 3D chicane mixer, COMPACT format, (Pmax=40bar)
UQ5107	Glass Static Mixer Chip, 10ml, 2 inputs, 2D, LARGE format, (Pmax=10bar)
UQ5108	Glass Static Mixer Chip, 20ml, 2 inputs, 2D, LARGE format (Pmax=10bar)
UQ5100	Glass Static Mixer Chip, 5.0 ml, 2 inputs, 3D chicane mixer, LARGE format (Pmax=40bar)
UQ5201	Glass Static Mixer Chip, 10ml, 2 inputs, 3D chicane mixer, LARGE format (Pmax=40bar)
UQ7016	Static mixer tubing kit coil with Perlast 'O'-rings