FlowSyn Polar Bear™

Advanced Cooling for Flow Chemistry

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UNIQSIS
Accessible flow chemistry

FlowSyn Polar Bear™

Advanced cooling for flow chemistry

Clean, efficient cooling at the touch of a button

No heat transfer fluids, solid CO_2, or solvents

Just plug in, switch on and set the temperature

FlowSyn Polar Bear™ is a state of the art chiller unit for low temperature flow-through chemistry applications.

Powerful: The reactor can be rapidly cooled down to any temperature between ambient and –88°C.

Rapid Cool-down: Advanced cooling technology delivers much more rapid cooling than would be possible using a conventional chiller.

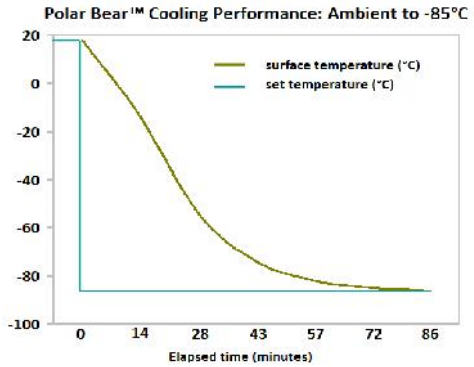
Flexible: The coil reactor module uses standard Uniqsis reactors and can accommodate single coil reactors up to 60 ml in volume, multiple smaller coils (available in a variety of sizes), and glass static mixer chips to deliver maximum flexibility for the flow chemist.

Reagent Pre-cooling: Reagent solutions can be efficiently pre-cooled prior to mixing by using either a static mixer chip or the dedicated heat exchange coils supplied with the interchangeable coil reactor top block.

No 'Icing-up': A vacuum-jacketed glass cover fitted with a nitrogen purge prevents ice formation and ensures that the reactor remains clearly visible at all times.

Control via FlowSyn Interface: FlowSyn Polar Bear™ can be controlled directly via the FlowSyn user interface. For example, in conjunction with FlowSyn Multi-X™ series of experiments, each at a different sub ambient temperature, can be performed in sequence.

UQ-1052 FlowSyn Polar Bear™ Specification	
Temperature range	ambient to –88°C
Stability	±0.1°C @ -70°C over 2 h
Power supply	220V 1100VA or 110V 1800VA
Dimensions	650 mm (w) x 650 mm (d) x 550 mm (h)
Weight	65 kg unpacked



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