PRESS RELEASE

Highly Reproducible & Sustainable Low Temperature Reactions & Studies

The **DrySyn SnowStorm** range from **Asynt** offers an attractive solution for scientists looking to undertake **low temperature chemical reactions and studies.**

Unlike traditional reaction cooling methods, including ice, dry-ice and liquid nitrogen; accurate and prolonged temperature control on a DrySyn SnowStorm is regulated by an external thermostatic circulator. The use of such a temperature control system not only eliminates the risk of temperature fluctuations due to perishable coolants, but can also improve your labs sustainable use of resources.

In addition to allowing unattended operation (even overnight), active temperature control on the DrySyn Snowstorm range also enables responsive control of exothermic reactions, constant rate cooling to enhance polymorph studies and significant improvement in reaction reproducibility. Beneficially the ability to agitate and cool in parallel using a DrySyn Snowstorm can also lead to improved productivity.

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The DrySyn Snowstorm systems deliver precise temperature control of reactions from -60 to +150 °C and have been designed to be user friendly and practical, with a small bench top footprint. The DrySyn SnowStorm ONE enables controlled chemistry to be conducted on single flasks up to 1 litre in size, whilst the SnowStorm MULTI allows for up to three 100 ml parallel reactions to be undertaken. The use of a weighted silicone seal prevents the formation of ice around the glassware on these systems. For smaller scale experiments, the DrySyn Snowstorm Reactor allows increased throughput and screening of up to 27 vial-based reactions. Purging the dome with nitrogen / argon prevents the formation of ice around the vials at sub-ambient temperatures.

For further information on the DrySyn Snowstorm range please visit https://www.asynt.com/products/drysyn-range/drysyn-snowstorm-range/ or contact Asynt on +44-1638-781709 / enquiries@asynt.com.

Asynt is a leading supplier of affordable products, consumables and services for chemists in industry and academia. With staff of trained chemists - Asynt is able to draw upon this in-depth applications knowledge to provide a high level of customer support for its DrySyn Heating Blocks, Controlled Lab Reactors, Synthesis Tools, Evaporators, Circulators, Temperature Control Systems, Vacuum Pumps and Laboratory Safety Equipment.

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<u>Illustrative images</u>: (available on request)

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