

A greener, safer & more economical way of heating & cooling reactions

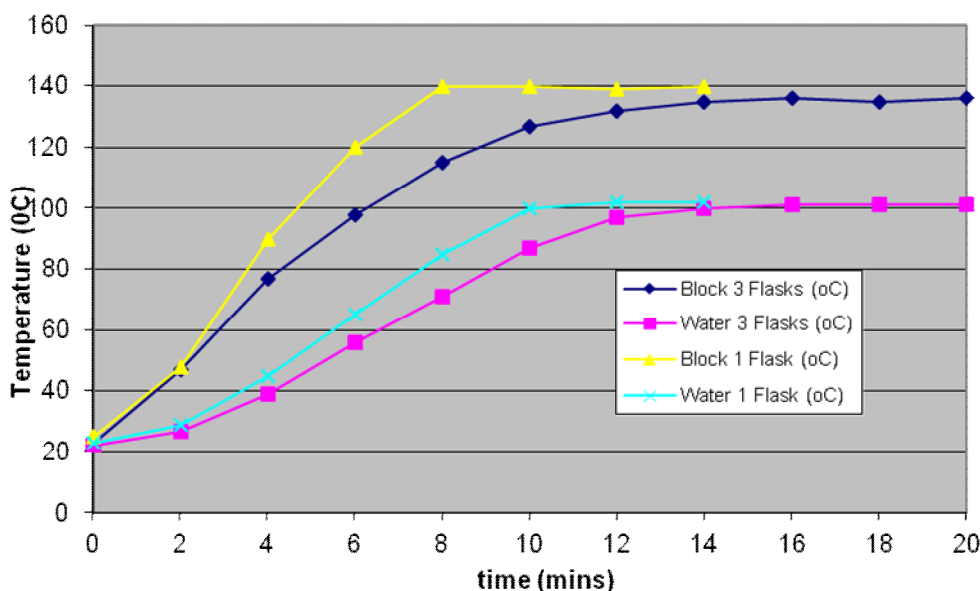
The DrySyn range of products ensures a safer, cleaner, more cost effective, greener and healthier working environment.

A laboratory's environmental footprint can be greatly reduced by utilising the DrySyn Range of heating and cooling blocks. Switching from the traditional method of heating, via an oil bath or heating mantle, to that of the DrySyn reduces the generation of end-of-life-waste and to a reduction in energy usage. The continual heating of oil baths, coupled together with the contamination from laboratory chemicals, water and other debris, leads to the lowering of the oil's flashpoint, discolouration and general degradation of the oil.

No compromise: The DrySyn heating blocks are compatible with all magnetic hotplate stirrers and they allow excellent visibility and safe, clean heating of reaction flasks and tubes. Recent design improvements in this popular product have resulted in improved heat transfer characteristics up to 300°C, faster heating and cooling and a smaller footprint.

Low thermal mass ensures rapid heating and lower energy usage. The graph below shows performance of our DrySyn MULTI-M kit with 3 x 250 ml flasks and 125 ml of water in each. Tests were made on an Asynt hotplate stirrer kit (600w power).

DrySyn Multi-M Heating Rate (3 Flasks and Single Flask)



Asynt

Single position heating blocks: From 25 ml to 5000 ml, all come as standard with safety lifting handles and can be used up to 300C. There are three models to choose from:

The **DrySyn Classic** kit, our most popular DrySyn product, allows flasks to be used from 50 ml up to 1000 ml, fits on any hotplate stirrer. Catalogue number ADS1.

DrySyn MAXI kit allows flasks of 2000 ml and 3000 ml to be used. Catalogue number ADS2

DrySyn Super MAXI kit allows the chemist to use 5000 ml flasks. Catalogue number ADS4



Multi position heating blocks: DrySyn MULTI kits allow up to 3 flasks to be used on just one hotplate stirrer, with volumes from 5 ml to 500 ml. Optionally with tubes and vials DrySyn MULTI allows up to 12 reactions to be performed in parallel, temperatures up to 400°C can be used. There are 4 kits to choose from.

DrySyn MULTI kit allows the chemist to perform up to 3 reactions in parallel from 25 to 100 ml. Catalogue number ADS3

DrySyn MULTI-M kit allows the chemist to perform up to 3 reactions in parallel from 100 ml to 250 ml. Catalogue number ADS5

DrySyn MULTI IS kit allows the chemist to perform up to 3 reactions in parallel from 250 to 500 ml. Catalogue number ADS6

DrySyn MULTI 4 position vial inserts allows the chemist to perform up to 12 reactions in parallel can be used in conjunction with the multi kits listed above. Catalogue number ADS3-R- (size)



There are many options for the above including our 3 position clamps.

Please see our full parts list for more information.



Asynt

Cooling/heating blocks: DrySyn SnowStorm units allow the chemist to both cool and heat reactions in round bottom flasks and tubes. These work well with both Julabo and Huber Thermostats and are often used for controlled rate cooling for polymorph studies. Standard temperature range is -40°C to +150°C. There are 3 kits to choose from.

SnowStorm ONE allows single cooling/heating reactions with round bottom flasks from 50 ml to 1000 ml, it has optional insulation to reduce ice formation and improve cooling performance. Catalogue number ADS8

SnowStorm MULTI allows 3 flasks to be heated/cooled in parallel, from 25 ml to 100 ml. Catalogue number ADS10

SnowStorm allows 12 parallel reactions in tubes under an inert atmosphere. Catalogue number ADS13



For further reading please see independent evaluation reports on performance from both Huber and Julabo.

Please see our separate parts list for the full DrySyn range and accessories.

Keep up to date with all our special offers and technical updates online at www.asynt.com or follow us on Facebook/Twitter/LinkedIn

