

DrySyn

Reaction Blocks

Sustainable solutions
for laboratory heating
and cooling

 **FAVS**
Scientific Equipment

Tel. 051501153

www.favs.it • info@favs.it



Asynt

By chemists, for chemists



About Asynt

Formed in 2003 with the aim to develop, supply and support new, sustainable and novel products central to the laboratory

Since inception, we have developed many laboratory tools including the DrySyn range - a clean, safe alternative to oil baths and heating mantles - which both reduces costs in purchasing / disposal of oil and offers a reduction in energy consumption.

We also pride ourselves in reducing laboratory water consumption using our CondenSyn waterless air condenser units which offer the benefits of reducing the risk of flooding whilst saving valuable budget and planetary resources.

Other key Asynt product lines available include ReactoMate Lab Reactors, High Pressure Reactors, LightSyn Photoreactors, fReactor Flow Chemistry tools and the ElectroReact Electrochemistry Platform. We also offer apparatus from complimentary high-end manufacturers such as IKA, Julabo, Lauda and Vacuubrand amongst others.





We also serve other markets such as biology with products of our own manufacture; one such example is the ChilliBlock for precision homogeneous temperature control of multiple biological samples. In addition, Asynt also provides solutions for automotive / aerospace electronics and battery research development.

Our sales team are all chemists who are both knowledgeable and dedicated to customer support, with a wealth of experience in the scientific sector. We work hard to help our customers find the best possible solutions for their requirements, whether this means an off-the-shelf solution or something custom manufactured specifically – or “Asyntised” to meet their needs.



Martyn Fordham,
Managing Director, Asynt.

“Asynt’s broad offering, including own-label off the shelf solutions, bespoke custom designs and complimentary high-end products from alternative manufacturers, allow us to be the one-stop equipment supplier, especially for chemistry research labs.”

DrySyn - The Complete Solution

The DrySyn range of heating & cooling blocks

**New ideas...
complete solutions**

The DrySyn range of heating & cooling blocks enable clean, safe synthesis for single or multiple reactions. Developed by chemists, including valued contributions from organisations such as the University of Cambridge, DrySyn is an established technology, chosen by the leading laboratories around the world.

Precision engineered in the UK, all DrySyn blocks are manufactured from traceable aluminium and are anodised to give a chemical resistant finish.

DrySyn allows for the complete replacement of unsafe oil baths in the lab. So whether you use round bottom flasks, tubes or vials, either one at a time or in parallel, there are DrySyn options available for all.



Dr Richard Turner,
University of Cambridge.

"We used to use oil baths to heat reactions but these are a fire hazard as well as being messy and leaving residues which can be a source of contamination. DrySyn offers us the freedom to heat different sizes of flask and tube and has a convenient place for a thermocouple for controlled heating. The advantages of the DrySyn are obvious to even the most hardened researcher."



The Benefits Over Oil Baths:

- Removes risk of oil fires.
- No risks associated with oil spillages.
- No toxic fume emission.
- Reduction in electrical energy consumption.
- No costly maintenance or disposal of oil.

Why DrySyn?

The long-term safe & cost effective solution

Traditionally, oil baths have been used to heat reactions within the laboratory even though they pose a number of health and safety risks.

DrySyn not only reduces these risks but also provides a long-term and cost effective solution.

DrySyn Safety & Versatility

- Removes the fire-risks associated with oil baths.
- Low well design prevents cracking or jamming of glassware & provides excellent reaction visibility.
- Chemical & solvent resistant anodised finish.
- Secure lifting handles to ensure the safe removal from heat sources.
- Accommodate the full range of laboratory glassware from <1 mL up to 5000 mL.
- Adjustable bases offer compatibility with any hotplate stirrer.
- Suitable for use with multi-neck flasks.
- Modular system with small footprint.



Iacopo Benesperi,
Monash University, Australia.

"We invested in DrySyn because it is a cleaner, safer, and in the long run cheaper solution compared to oil baths. DrySyn lets you carry out synthesis with your regular hotplate equipment while at the same time providing a uniform heat transfer to the flask, better temperature control compared to a heating mantle and eliminating the risk of oil spillage, which is potentially harmful. It is a good helping hand in our synthesis and it helps us to better follow our University safety policies."



Key Features of DrySyn

- Excellent reaction visibility.
- Heat-resistant handles.
- Temperature probe holes.
- Chemical resistant finish.
- Universal hotplate compatibility.
- Uniform heat transfer.
- All key sizes catered for as standard.
- Fully customisable.
- Single-position or parallel-position synthesis.
- Designed for use with ISO standard round bottom flasks.
- Easy to clean.



DrySyn Single Position Heating Blocks

For flasks up to 5000 mL

DrySyn Classic

25 mL to 1000 mL

The original member of the DrySyn family, the DrySyn Classic allows the scientist to use any standard round-bottom flask from 25 mL to 1000 mL.

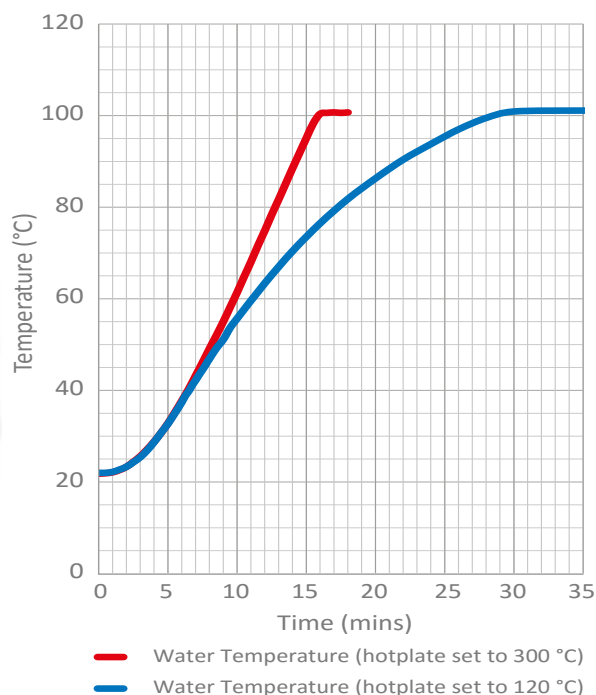
The base unit of the DrySyn Classic accepts a standard 1000 mL round bottom flask, and accommodates the adapter inserts. These can be used to accept all standard flask sizes from 25 mL to 500 mL. A popular sale for us is a complete kit which includes the base and 4 x inserts allowing reactions to be performed from 50 mL to 1000 mL in the same unit.

All single-position base units include two heat-resistant handles for safe handling when hot and adjustable feet to allow complete compatibility with any hotplate stirrer.



DrySyn Classic Heat Up Times

100 mL Flasks & Inserts, 50 mL Water



Popular Purchase Options*

- **ADS1: DrySyn Classic Kit**
Includes 1000 mL base and 4 x adapter inserts for 50, 100, 250 & 500 mL round bottom flasks.
- **ADS1-25: DrySyn Classic 25 mL Adapter Insert**
- **ADS1-A: DrySyn Classic Starter Kit**
Includes 1000 mL base and 1 x adapter insert (specify size).



Dr Michael McKenzie,
Head of Operations, Charnwood Molecular.

"Investment in DrySyn technology has allowed us to reproducibly scale-up our customer's synthetic reactions from milligrams to hundreds of grams scale."

DrySyn Prodigy

25 mL to 500 mL

The latest addition to the DrySyn range, the DrySyn Prodigy is designed to accommodate any standard round bottom flask from 25 mL to 500 mL.

- Base unit accommodates a 500 mL round bottom flask.
- Flask inserts available for 25, 50, 100, and 250 mL.
- Removeable/adjustable feet to ensure fitment to any hotplate.



Popular Purchase Options*

- **ADS500-KIT-A: DrySyn Prodigy Complete Kit**
Includes 500 mL base and adapter inserts for 50, 100, 250 mL round bottom flasks.
- **ADS500-KIT-B: DrySyn Prodigy Kit**
Includes 500 mL base and adapter inserts for 100 and 250 mL round bottom flasks.

DrySyn Scholar

25 mL to 250 mL

For those working only with smaller volumes, the DrySyn Scholar offers a no-compromise solution.

- Base unit accommodates a 250 mL round bottom flask.
- Flask inserts available for 25, 50 and 100 mL.
- Ideal for academic teaching laboratories.



Popular Purchase Options*

- **ADS14: DrySyn Scholar Kit**
Includes 250 mL base and adapter insert for 100 mL round bottom flasks.
- **ADS14-50: DrySyn Scholar 50 mL Insert**



DrySyn Prodigy

DrySyn Scholar

DrySyn MAXI

2000 mL & 3000 mL

- Stand-alone bases for both 2000 mL and 3000 mL round-bottom flasks.
- 2000 mL flask insert available for use with larger base.



Popular Purchase Options*

- **ADS2: DrySyn MAXI Complete Kit**
Includes 3000 mL base and adapter insert for 2000 mL round bottom flasks.

DrySyn Super MAXI

4000 mL & 5000 mL

- Stand alone base for 5000 mL round bottom flasks.
- 4000 mL flask insert available for use with larger base.



Popular Purchase Options*

- **ADS4: DrySyn Super MAXI 5000 mL Base**
- **ADS4-4000: DrySyn SuperMAXI 4000 mL Insert**



* Comprehensive parts & price list available

DrySyn MULTI Heating Blocks

For vials and flasks up to 500 mL

Why DrySyn MULTI?

The DrySyn MULTI range of reaction blocks convert any hotplate stirrer into a flexible parallel synthesis platform, whilst retaining the ability to perform single reactions.

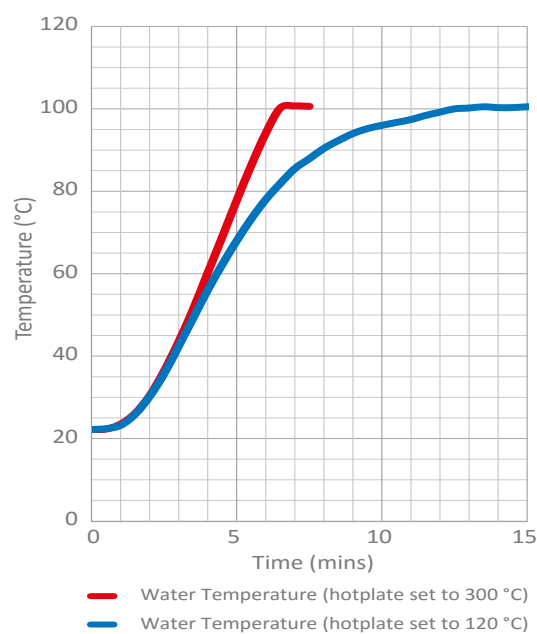
By removing the need for multiple hotplate stirrers, DrySyn MULTI provides a cost effective, space-efficient solution.

With a wide range of fully-interchangeable inserts available for tubes, vials and round-bottom flasks, the DrySyn MULTI also allows for fast, energy-efficient heating.



The unique DrySyn MULTI clamps allow for a tidy and compact setup of 3 parallel reactions

DrySyn MULTI-E Heat Up Times 100 mL Flasks & Inserts, 50 mL Water



1 Reaction



3 Reactions



Up to 27 Reactions

Four bases. Endless possibilities.



To see DrySyn parallel stirring in action visit the Asynt YouTube channel.



UNO

Up to 1 x 500 mL



MULTI-E

Up to 3 x 100 mL



MULTI-M

Up to 3 x 250 mL



MULTI-S

Up to 3 x 500 mL

DrySyn MULTI 3-Position Clamp

The DrySyn MULTI 3-position clamp allows safe clamping of three round bottom flasks in parallel.

Available in three sizes to suit the MULTI-E, MULTI-M and MULTI-S parallel DrySyn systems.



MULTI-E CLAMP



MULTI-M CLAMP



MULTI-S CLAMP

All bases in the DrySyn MULTI range are designed to allow placement of one insert in the centre position, providing a stable and secure single-reaction setup.

Every MULTI insert has the same footprint meaning that any sized insert can be used with any base in this way. We realise that flexibility is key and so, by ensuring that the footprint of every DrySyn MULTI insert is the same, you can easily mix and match the sizes you use for parallel reactions.



The largest insert you use in parallel will determine the DrySyn base plate you'll need!

As round-bottom flasks sizes increase so do the profiles of the MULTI inserts. For this reason we offer three different bases depending on the largest flask size you wish to work with in parallel.

The MULTI-E base can accommodate up to 3 x 100 mL inserts, the MULTI-M base up to 3 x 250 mL inserts & the MULTI-S base up to 3 x 500 mL inserts.

DrySyn Reaction Vial Inserts

Up to 27 Parallel Reactions

- Available in packs of 3 in a wide range of standard sizes to suit many popular vials.
- Compatible with all DrySyn MULTI bases to allow up to 27 parallel reactions, depending on insert size.
- Can be used interchangeably and in conjunction with DrySyn MULTI inserts for round-bottom flasks.
- Custom manufacture also available for your vial of choice.



Full Range of Sizes

Hole size (Ø mm)	Holes per insert	Suited for:
11.80 Ø	9	2 mL HPLC sample vials
15.00 Ø	5	1 dram vials
16.20 Ø	4	CEM microwave tubes
17.40 Ø	4	Biotage 2-5 mL microwave tubes and 2 dram vials
20.20 Ø	4	Robot tubes
24.40 Ø	4	24 mm boiling tubes
25.75 Ø	4	Wheaton 10 mL V-Vials
27.65 Ø	4	20 mL Scintillation vials
28.20 Ø	4	Biotage 10-20 mL microwave tubes
17.20 Ø	5	Biotage 0.5 – 2 mL microwave vials (holes are tapered)
5.5 Ø	10	NMR tubes
Custom	Custom	Customers own vials
Custom	1	Schlenk tubes



Popular Purchase Options*

- **ADS3-R-(size): DrySyn Reaction Vial Inserts**
Includes 3 x inserts of one size.
- **ADS3-R-A: DrySyn Reaction Vial Starter Kit**
Includes 3 x inserts of different sizes.
- **ADS3-RT-17.20: DrySyn Tapered Reaction Vial Inserts**
Pack of 3.



Dr Liz Jones,
Team Leader, Chemistry.

"Absolutely essential for any modern chemistry lab! A simple way of being able to effectively carry out multiple reactions at once, using one heater-stirrer. The ability to be able to use with disposable microwave vials and screw cap vials is their best-selling point, I do all my reactions in these."



DrySyn MULTI Popular Purchase Options



MULTI-E Up to 3 x 100 mL

- Up to 3 x 100 mL round-bottom flasks in parallel.
- Compatible with all inserts in the DrySyn MULTI range in a central single position.



Popular Purchase Options*

- **ADS3: DrySyn MULTI-E Complete Kit**
Includes MULTI-E base, 3 x 25 mL inserts, 3 x 50 mL inserts & 3 x 100 mL inserts.
- **ADS3-A: DrySyn MULTI-E Starter Kit**
Includes MULTI-E base, 1 x 25 mL insert, 1 x 50 mL insert & 1 x 100 mL insert.
- **ADS3-C: MULTI-E 3-Position Clamp**

MULTI-M Up to 3 x 250 mL

- Up to 3 x 250 mL round-bottom flasks in parallel.
- Compatible with all inserts in the DrySyn MULTI range in a central single position.



Popular Purchase Options*

- **ADS5: DrySyn MULTI-M Complete Kit**
Includes MULTI-M base, 3 x 100 mL inserts & 3 x 250 mL inserts.
- **ADS5-S: DrySyn MULTI-M Super Kit**
Includes MULTI-M base, 3 x 25 mL inserts, 3 x 50 mL inserts, 3 x 100 mL inserts & 3 x 250 mL inserts.
- **ADS5-C: MULTI-M 3-Position Clamp**

MULTI-S Up to 3 x 500 mL

- Up to 3 x 500 mL round-bottom flasks in parallel.
- Compatible with all inserts in the DrySyn MULTI range in a central single position.



Popular Purchase Options*

- **ADS6: DrySyn MULTI-S Complete Kit**
Includes MULTI-S base, 3 x 250 mL inserts & 3 x 500 mL inserts.
- **ADS6-C: MULTI-S 3-Position Clamp**

Parallel Synthesis Kits

- Up to 27 reactions in parallel.
- Up to 3 x reaction vial inserts in parallel on one hotplate.
- Ideal for reaction screening.



Popular Purchase Options*

- **ADS3-PS: DrySyn Parallel Synthesis Kit**
Includes MULTI-E base and 3 x vial inserts of one size.
- **ADS3-PSS: DrySyn Parallel Synthesis Starter Kit**
Includes MULTI-E base and 3 x vial inserts of different sizes..

* Comprehensive parts & price list available

DrySyn OCTO

- Up to 24 parallel positions.
- Works with any hotplate stirrer.
- Powerful magnetic stirring.
- Compact size.
- Gas tight closure allowing inert atmospheres to be used.
- The large glass area of the tubes allows for air condensing and gentle reflux conditions to be used.
- Working volume 1 – 10 mL per tube.
- Heated area within the DrySyn insert: 4 mL volume.
- Allows use of low cost consumable reaction tubes.
- Additions or sampling can be made whilst under inert conditions using a syringe.
- The unit uses low cost easily replaceable consumable septums.
- Single stations may be used independently.



DrySyn OCTO-PLUS



DrySyn OCTO



Dr Peter Blencowe,
Senior Scientist, CRUK Theapeutic
Discovery Laboratories, UK.

"We have used the DrySyn OCTO to perform a variety of heterogeneous catalysis reactions under nitrogen to eliminate formation of side products. Using DrySyn OCTO – parallel reactions are very easy to set up saving time on the degassing and space on the heating arrangement required. We all like the unit and it has particularly helped us improve workflow when tasked with doing arrays of heated reactions in early discovery chemistry."



Popular Purchase Options*

- **ADS19-A: DrySyn OCTO Reaction Station Starter Kit**
Includes OCTO reaction station and 10 each of tubes, caps, septa & stirrer bars.
- **ADS19-BASE: DrySyn UNO Base**
- **ADS19-PLUS: DrySyn OCTO PLUS Reaction Station**
Includes 3 x OCTO reactions stations, DrySyn MULTI-M base, 72 tubes, 300 caps, 300 septa & 30 stirrer bars.

DrySyn OCTO Mini

- Designed for shorter length tubes, allowing for easy sampling using a standard syringe needle.
- Conversion kit available for modification of standard DrySyn OCTO Reaction Station.
- Consumables available.



Popular Purchase Options*

- **ADS19-MINI: DrySyn OCTO Mini Reaction Station**
- **ADS19-MC: DrySyn OCTO Mini Conversion Kit**
Includes central support rod, hex key & 24 x short tubes.



DrySyn OCTO Mini



DrySyn OCTO Mini Conversion Kit



Dr Sarah Clearly,
Chief Scientific Officer at HydRegen.

"We invested in a DrySyn OCTO because I had previously used the system and loved how it gave me the ability to simultaneously screen eight separate reaction variations under a controlled atmosphere, temperature, and means of agitation, thus advancing the process of biocatalyst development in a reproducible fashion. The DrySyn OCTO installed at HydRegen has been an incredibly useful tool for us. Because we're using enzymes and don't need pressurised hydrogen, the OCTO is perfect for screening catalysts and reaction parameters."



* Comprehensive parts & price list available

DrySyn Spiral Evaporator

- Developed by Asynt, in conjunction with BioChromato (Japan).
- Patented spiral plug technology enables scientists to evaporate tubes directly in DrySyn Reaction Vial Inserts, up to 4 samples at a time without bumping.
- Rapidly concentrate even high boiling solvents such as DMSO, DMF, NMP and water in tubes, without heating to high temperatures.
- Glass enclosure allows nitrogen purging for air-sensitive samples.
- Requires house vacuum or suitable vacuum pump for operation.
- Consumables and accessories available separately.
- Compatible with the DrySyn MULTI Reaction Vial Inserts - or choose custom inserts to suit your needs.

DrySyn Spiral Evaporator Plugs

The DrySyn Spiral Evaporator utilises the patented spiral plug evaporation technology from BioChromato originally used in the Smart Evaporator.

With fast and effective parallel evaporation without solvent bumping, the system can be used to rapidly concentrate even high boiling solvents such as DMSO, DMF and water in tubes, without heating to high temperatures.

Choose from 4 different sized plugs to suit your preferred vials.



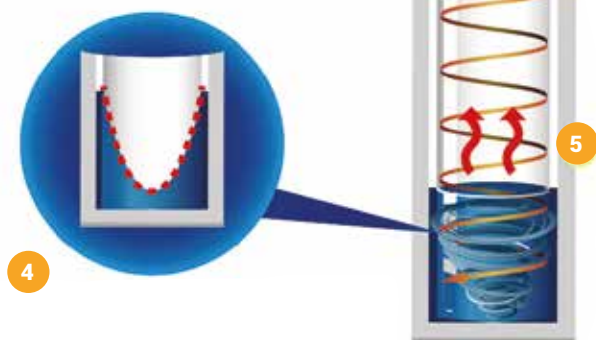
Spiral Evaporator Plug Sizes

Spiral Plug size	Tube Neck Diameter
1	4-7 mm
2	7-11 mm
3	11-17 mm
4	15-24 mm

Vacuum-assisted Vortex Concentration

1. Vacuum pulled.
2. Promotes gas influx through a groove on the spiral plug.
3. Generates spiral air flow.
4. Increases the contact surface area between liquid and gas.
5. Promotes solvent evaporation through increased surface area.

To discuss vacuum requirements and suitability please contact us.



DrySyn Spiral Evaporator



Popular Purchase Options*

- **ADS16-4: DrySyn Spiral Evaporator**
Includes evaporator manifold, blanking plugs and 4 x spiral plugs of one size.
- **ADS3-R-(size): DrySyn Reaction Vial Inserts**

Evaporation Rates

Solvent (5 mL in 20 mL vial)	Flow Rate per Tube (m ³ /h)	DrySyn Block Temperature		
		26 °C	40 °C	70 °C
Hexane	1	5	3	3
Acetone	1	7	4	3
Ethyl Acetate	1	9	6	5
Acetonitrile	1	18	9	8
Methanol	1	31	10	6
Ethanol	1	31	10	6
Deionized Water**	2	95	49	28
DMF**	2	68	43	24
DMSO**	2	241	195	69
NMP**	2	N/A	N/A	71

** Gas purge data



Dr Alex Creswell,
Head of the Creswell Group,
University of Bath.

"It removes all of the hassle associated with concentrating samples directly into vials, which you cannot easily attach to equipment such as rotary evaporators. Taking off high-boiling solvents like DMF and DMSO is another big plus. The DrySyn Spiral Evaporator has had heavy use since its arrival in our lab – it is not uncommon for my group to be queuing up to use it!"

* Comprehensive parts & price list available

DrySyn SnowStorm

Sub-ambient reactions with a small footprint

Built on the success of the DrySyn heating blocks, DrySyn SnowStorm is an integrated concept for heating and cooling from -30 to +150 °C; offering options for standard round bottom flasks from 25 mL to 1000 mL in addition to reaction vials of all sizes. Compatible with many laboratory heater-chiller circulator systems, the DrySyn SnowStorm range offers a cost-effective alternative to smaller, jacketed, glass reactors.

- Temperature range from -30 to +150 °C (dependent upon chosen circulator).
- Stable temperature control for prolonged periods allowing for extended, unattended operation.
- Ideal for precise temperature ramping.
- Exchange glassware and reconfigure systems in seconds, without disrupting the thermal bath fluid.



DrySyn SnowStorm ONE Insulation



DrySyn SnowStorm ONE

For 50 mL to 1000 mL

The DrySyn SnowStorm ONE offers a single-position temperature controlled base compatible with a range of adapters for round bottom flasks from 50 mL to 1,000 mL.

The DrySyn SnowStorm ONE can be used with a magnetic stirrer or bench-mounted for use with an overhead stirrer motor.



Popular Purchase Options*

- **ADS8: DrySyn SnowStorm ONE Kit**
Includes single-position base plate with hose-barb connectors, 1 x 50 mL adapter with weight & seal, 1 x 100 mL adapter with weight & seal, 1 x 250 mL adapter with weight & seal, 1 x 500 mL adapter with weight & seal and 1 x 1000 mL adapter with weight & seal.
- **ADS8-I: DrySyn SnowStorm ONE Insulation Kit**
Recommended for temperatures below -10 °C.



DrySyn SnowStorm MULTI

For 25 mL to 100 mL

The DrySyn SnowStorm MULTI allows up to 3 parallel, temperature-controlled, reactions in round-bottom flasks from 25 mL to 100 mL.

- The specially designed SnowStorm MULTI inserts are supplied with sealing rings and weights to prevent ice formation between flask and block.
- For use with any magnetic stirrer plate.
- SnowStorm MULTI base also compatible with DrySyn reaction vial inserts.



DrySyn SnowStorm Reactor

For a wide range of tubes and vials

The DrySyn SnowStorm Reactor allows for parallel, temperature-controlled, reactions in tubes and vials of various sizes.

- Utilises standard DrySyn reaction vial inserts.
- The use of a borosilicate glass inerting dome prevents ice formation within the block wells.
- For use with any magnetic stirrer plate.



Popular Purchase Options*

- **ADS10: DrySyn SnowStorm MULTI Kit**
Includes MULTI base plate with hose-barb connectors, 3 x 25 mL inserts, weights & seals, 3 x 50 mL inserts, weights & seals and 3 x 100 mL inserts, weights & seals.
- **ADS3-C: MULTI-E 3-Position Clamp**
- **ADS10-A: DrySyn SnowStorm MULTI Starter Kit**
Includes MULTI base plate with hose-barb connectors, and one each of 25 mL, 50 mL, and 100 mL inserts plus weights and seals for each.
- **ADS8-M16: M16 Adapters for Temperature Controlled Bases**
Replaces hose barbs when using M16 threaded, insulated, hosing.



Popular Purchase Options*

- **ADS13-S-(size): DrySyn SnowStorm Reactor Kit**
Includes MULTI base plate with hose-barb connectors, glass inerting dome and 3 x DrySyn reaction vial inserts of one standard size.
- **ADS13-S-RC: DrySyn SnowStorm Custom Reactor Kit**
As above, but supplied with 3 x DrySyn reaction vial inserts in one custom size.

* Comprehensive parts & price list available

DrySyn Vortex

Key Features of DrySyn Vortex

- DrySyn Vortex offers our customers the ability to work with higher viscosity materials in parallel where magnetic stirring is not strong enough or indeed where materials could be damaged by the grinding effect of a stirring bar.
- The DrySyn Vortex works with our standard DrySyn MULTI inserts for round-bottom flasks, from 100 mL up to 500 mL.
- A mechanical gearbox converts the drive of one standard overhead stirrer motor into 3 shafts for powerful overhead stirring.
- Heating is provided by any standard laboratory heating plate.
- Cooling base available upon request.
- Optionally available for use with laboratory beakers up to 500 mL volume.



DrySyn Vortex Blend

DrySyn Vortex

Popular Purchase Options*

- **ADS11: DrySyn Vortex Kit**
Includes DrySyn Vortex unit, support stand, clamp, 3 x stirrer shafts and guides and 3 x 500 mL DrySyn MULTI inserts.

DrySyn Vortex Blend

To accommodate beakers of up to 500 mL volume

The device is particularly relevant to blending and formulation scientists in the oil, cosmetics, cleansing and hygiene industries.

Popular Purchase Options*

- **ADS11-BLEND: DrySyn Vortex Blend Unit, Support Stand and Clamp**
- **ADS11-BLEND-150: DrySyn Vortex Blend 150 mL Flask Spacer, pack of 3**
- **ADS11-BLEND-250: DrySyn Vortex Blend 250 mL Flask Spacer, pack of 3**
- **ADS11-BLEND-400: DrySyn Vortex Blend 400 mL Flask Spacer, pack of 3**



DrySyn Vortex Blend Base

* Comprehensive parts & price list available

Custom Solutions for Your Laboratory

Novel Solutions

We understand that many of our customers are conducting research in new and often highly specialised areas where sometimes off-the-shelf products may not meet the desired requirements and novel solutions may be the answer.

By working in partnership with you, we can help solve these problems and provide one-off solutions specifically designed to fulfil your needs. By combining our wide range of skills and experience with your expert pool of knowledge, we can help develop novel tools and apparatus to meet your challenges head-on.

No Material Limits

At Asynt we have no material limits; with our expansive range of expertise and experience we can offer advise on laboratory solutions encompassing numerous materials and technologies. We understand that chemical compatibility is a key factor when designing any scientific apparatus and we are backed by a team of scientists and engineers with an assorted range of skills and experience, enabling us to offer multi-faceted solutions combining elements of any required areas and materials.

Commercialise Your Ideas

Do you have an idea that you think would appeal to other scientists? We can either guide you or assist with the manufacturing of prototypes, with testing and data accumulation, and the potentially complicated process of manufacturing the final product, designing and producing packaging and associated product literature before marketing through our wide network of customers and distribution partners.



Unique multi-position heating block for customer's own vials



Triplet Heater



Bespoke DrySyn SnowStorm ONE base for sub-ambient chemistry

DrySyn Accessories

Asynt Hotplate Stirrer Kit

Our NEW Asynt hotplate stirrer package includes magnetic hotplate stirrer, support rod, boss head clamp, PT1000 temperature sensor, stirrer bars and power lead.

With this comprehensive stirrer package, you're all set to start stirring and heating at controlled temperatures.

- Capable of sensing temperatures from 0 °C to 310 °C, or -20 °C to 310 °C with external sensor.
- Precise temperature control and stability to ± 1 °C.
- High power bar magnet drive, ideal for viscous samples and parallel synthesis applications.
- CE Certified, manufactured for Asynt in Germany.
- Ask us about our special package deals!



Popular Purchase Options*

- **ADS-HP-N2: Asynt Complete Stirrer Kit**
Includes magnetic hotplate stirrer, clamp, boss head, PT 1000 temperature sensor, and support rod.

DrySyn MULTI 3-Position Clamp

The DrySyn MULTI 3-position clamp allows safe clamping of three round bottom flasks in parallel.

Available in three sizes to suit the MULTI-E, MULTI-M and MULTI-S parallel DrySyn systems.



MULTI-E CLAMP



MULTI-M CLAMP



MULTI-S CLAMP



Popular Purchase Options*

- **ADS3-C: DrySyn MULTI-E 3-Position Clamp**
Parallel clamping of up to 3 x 100 mL flasks.
- **ADS5-C: DrySyn MULTI-M 3-Position Clamp**
Parallel clamping of up to 3 x 250 mL flasks.
- **ADS6-C: DrySyn MULTI-S 3-Position Clamp**
Parallel clamping of up to 3 x 500 mL flasks.

Other Accessories

- Other accessories include DrySyn Water Manifolds to convert single cooling streams into 3 separate feeds, Wheaton V-vials, NMR tubes, magnetic stirrer bars and much more.

Compact Safety Shields

- Provide protection from heating components.
- Fit neatly around any stirrer hotplate to provide robust, convenient protection from splashes, aerosols and spills.
- Shield apparatus from fumehood draft.
- Available in two convenient sizes.



Popular Purchase Options*

- **ADS-LSS: Compact Laboratory Safety Shield**
- **ADS-LSS2: Larger Laboratory Safety Shield**
- **ADS-LSS-AMB: Compact UV Protective Safety Shield**



Larger Laboratory Safety Shield

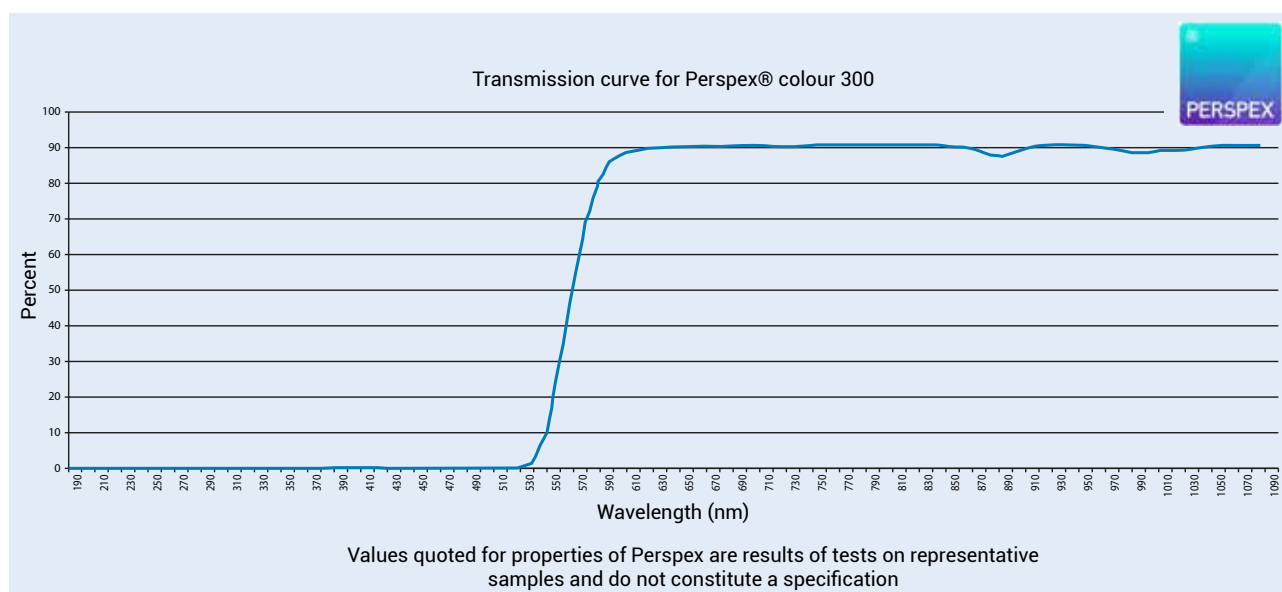


Compact Laboratory Safety Shield



Compact UV Protective Safety Shield

Compact UV Protective Safety Shield

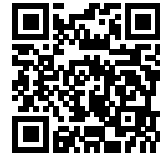


* Comprehensive parts & price list available

Contact Us

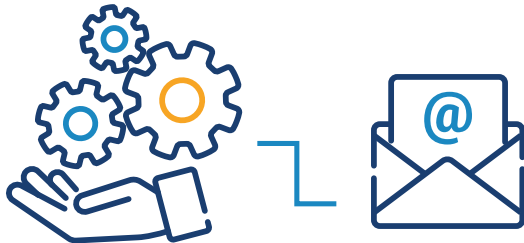
If you'd like to find out more about any of the products detailed then please get in touch using the information below:

To find your local Asynt distribution partner:



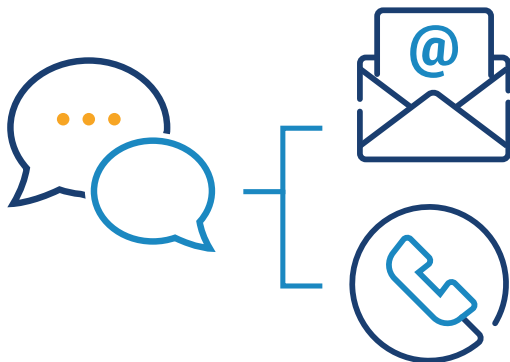
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Please email enquiries@asynt.com

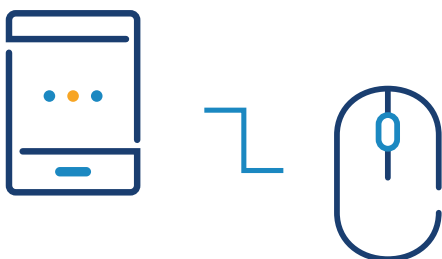
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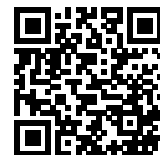
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