

Introducing...

The **NEW**

## DrySyn Spiral Evaporator

**Parallel evaporation of high boiling solvents in one compact unit**  
*High recovery and rapid concentration!*

Asynt, in conjunction with BioChromato (Japan), have developed the NEW DrySyn Spiral Evaporator which enables scientists to evaporate tubes directly in DrySyn reaction vial blocks, up to 4 samples at a time.

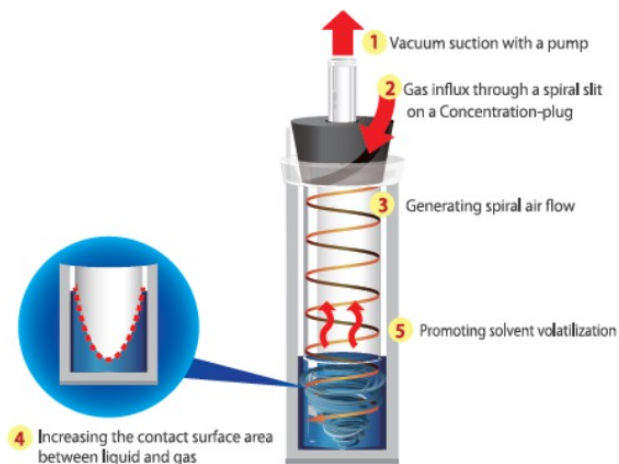
Utilising the proven safety benefits of DrySyn in combination with the patented spiral plug evaporation technology from BioChromato, originally used in the Smart Evaporator, the DrySyn Spiral Evaporator offers fast and effective parallel evaporation in tubes without solvent bumping. Use the system to rapidly concentrate even high boiling solvents such as DMSO, DMF and water in tubes, without heating to high temperatures.



**Specification:**

- Nitrogen purging available within glass enclosure
- Bumping-free to alleviate cross-contamination
- Height-adjustable
- Different/interchangeable plug sizes enable use with any tube/vial with up to a 24mm neck diameter
- Evaporation of high boiling solvents, including DMSO, DMF & water
- Efficient sample recovery
- 4-8m<sup>3</sup>/hr flow rate required (vacuum pump)
- Compatible with DrySyn MULTI reaction vial inserts (see overleaf)

### Vacuum-assisted Vortex Concentration



**NEW**



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**NEW**

# DrySyn Spiral Evaporator

**Solvent data:***Concentration speed (minutes to dryness) based upon the Smart Evaporator technology*

Solvent/Capacity (5 ml in 20 ml vial)	Flow rate /m <sup>3</sup> per hour	Temperature of bath / °C		
		26	40	70
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

**Ordering information:****ADS16-4\*** DrySyn Spiral Evaporator (4 position) compatible with all inserts below.**ADS16-SP-4-size** Additional set of 4 spiral plugs: state size needed.**ADS3-R(size)** DrySyn reaction vial inserts in any standard size (pack of 3).

*All inserts are typically 4 position unless otherwise stated.(size refers to the diameter of the hole).*  
 11.80mm (9 position blocks) / 15.00mm / 16.20mm / 17.40mm / 20.20mm / 24.40mm  
 / 25.75mm / 27.40mm.

**ADS3-RT-17.40** DrySyn TAPERED reaction vial inserts, (pack of 3)  
17.40mm tapered**ADS16-1-C** **Clamp:** Holds one DSE unit securely on a hotplate support rod.**AD19-BASE** **DrySyn UNO base plate:** holds base of unit securely on a hotplate.**ADS-HP-S-NT** **Asynt hotplate stirrer kit:** including electronic contact thermometer, support rod, boss head.

\*Includes height adjustable manifold, glass shield, 3 x blanking plugs, hose barbs, and 4 x spiral plugs of one size (please state on order). Choose from:

- Spiral Plug size 1 for 4-7mm neck diameter tubes
- Spiral Plug size 2 for 7-11mm neck diameter tubes
- Spiral Plug size 3 for 11-17mm neck diameter tubes
- Spiral Plug size 4 for 15-24mm neck diameter tubes

