

GreenHouse Blowdown Evaporator™

Parallel evaporation of samples in 8 or 24 vials, tubes and microtitre plates

Features

- Precise control of inert gas flow combined with digital control of heating carefully evaporates your samples.
- Interchangeable plates with either 8 or 24 hollow blowdown pins deliver an equal flow of gas to each tube, vial or well.
- The absence of a vacuum avoids bumping, protecting the sample during evaporation.
- Nickel-plated aluminium offers excellent chemical resistance.
- Easy viewing of samples during evaporation.
- Optional flowmeter precisely controls flow of inert drying gas.

Compatible with:

- 7 ml GreenHouse tubes
- 8 or 24 position vial racks
- 13 mm, 13.8 mm, 15 mm, 24.3 mm & 27.8 mm ø vials
- 8 or 24 well microtitre plates



Precise heat control and the absence of a vacuum protects your sample and avoids bumping.

Safety relief valve on inlet prevents over-pressure during operation.

Evaporate 8 vials, each containing 5 ml of methanol, in only 22 minutes

Removable head features quick-release handles for easy exchange of Blowdown pin plates.

Select the appropriate Blowdown pin plate. Interchangeable plates with either 8 or 24 hollow pins deliver an equal flow of gas to each tube, vial or well.



Digitally controlled heating from the hotplate gently adds energy to the sample to speed the evaporation process.

Blowdown system with 24 pin plate, standard GreenHouse base, reaction block and 7 ml tubes

Control and log your chemistry

Enclosed design contains evaporating solvent, allowing subsequent trapping and collection of solvent via a high performance glass condenser

Can be converted into GreenHouse Plus Parallel Synthesiser

Typical Evaporation Times

Solvent	Samples	Volume	Vessel	Evap. Time
Methanol	24	2 ml	3.5 ml vial	20 mins
Methanol	8	5 ml	20 ml vial	22 mins
Acetonitrile	24	2 ml	3.5 ml vial	20 mins
Acetonitrile	24	2 ml	7 ml tube	35 mins
Water	8	5 ml	20 ml vial	157 mins
DMF	24	2 ml	3.5 ml vial	138 mins
DMF	24	2 ml	7 ml vial	145 mins

40°C Base Temperature. Flowrate 10 l/min (8 well), 20 l/min (24 well)

Insert the adapter into the GreenHouse base to accept vial racks or titre plates...

...or use the dedicated, low profile, Blowdown base.



Insert the adapter into the GreenHouse base



GreenHouse base and 24 position vial rack



GreenHouse base and 8 position vial rack



GreenHouse base and 24 position MTP



Blowdown base and 24 position vial rack



Blowdown base and 8 position vial rack



Blowdown base and 24 position MTP