

Easy-to-use programming interface with individual tube control.

Glass window enables easy overview of the evaporation progress.

End-point detection terminates evaporation at 0.5 mL or 1.0 mL volumes.

Adjustable pressure regulator ensures optimal evaporation (not visible.)



TurboVap® II

Volume Range 50 mL or 200 mL

TurboVap® II increases the capacity and sample throughput in laboratories, eliminates concentration bottlenecks and maintains quality and lower costs.

This instrument has 6 sample positions and enables the user to evaporate to solid state or concentrate into a fixed end-point volume. The small footprint of TurboVap® II makes it the ideal choice in today's laboratories. It takes up only a fraction of the bench space used by conventional rotary evaporators and can even be used outside a fume cupboard by using the integral vent tube.

Applications

The TurboVap II Evaporation System efficiently concentrates samples prior to analysis by LC/MS or other analytical instruments. Optical sensors automatically stop gas flow when evaporation has reached its end-point, thereby eliminating the risk of drying and loss of volatile compounds. The TurboVap II is suitable for evaporation of large volumes after liquid-liquid extractions.

TurboVap II is available in a Dionex ASE* compatible setup which accommodate the use of six 40 mL stemmed and graduated Dionex ASE tubes. Upgrade kits are also available for converting your old TurboVap II.

*Dionex ASE is a registered trademark of Dionex/Thermo Fischer.

Evaporation Rates (180 mL solvent)

Solvent	Bath temp. (°C)	Gas pressure (psi)	Approx. time (min.)
Dichloromethane	40	10	35
Hexane	55	10	23
Acetone	55	10	27
Methanol	50	12	70
Acetonitrile	50	12	75
Toluene	50	10	90
Water	90	18	120

Specifications

Technology	Gas vortex shearing evaporation with sensor endpoint detection. Available with either 0.5 mL or 1.0 mL endpoint stems
Number of samples	1–6
Timer range	1 to 99 min. or 0.1 to 9.9 hrs.
Max. sample volume	200 mL
Final endpoint volumes	0.5 or 1 mL
Solvent reclamation	–
Water bath capacity	6.4 L of distilled water
Water bath temperature	Ambient to 90 °C (upper temperature with sensors is 60 °C)
Gas supply requirements	Minimum inlet pressure 30 psi/2.1 bar. Maximum inlet pressure 80 psi/5.5 bar.
Gas consumption	At 11 psi: 0.08 cfm/nozzle or 2.3 L/min/nozzle
Exhaust	25 CFM blower with 5.1 cm/2" venting exhaust (tube supplied)
Electrical supply	220–240 V~, 50 Hz, 5 A (UK & EU) 100–120 V~, 50/60 Hz, 10 A (USA & JP)
Max. power consumed	900 VA
Dimensions (WxDxH)	53.8 cm x 30.5 cm x 30.5 cm 21.2" x 12" x 12"
Weight	18.4 kg/40.5 lbs
Certifications	2006/95/EC Low Voltage Directive 2004/108/EC EMC Directive 93/68/EEC CE Marking Directive

Advantages

- » Proven equivalency with EPA methods
- » Patented vortex shearing technology
- » Patented sensor endpoint detection – no monitoring required
- » Unattended operation for 1–6 samples
- » Controlled water bath is adjustable from ambient to 90 °C
- » Operators are free to perform other tasks while evaporation is running
- » User friendly displays and diagnostics
- » Convenient bench top size—no hood space required

Applications

- » Pharmaceutical biotech compounds
- » Clinical samples
- » Environmental samples
- » Forensic and crime samples
- » Drugs of abuse samples
- » Food and beverage analysis
- » Agrochemical samples