PURIFLASH®
XS-VAP

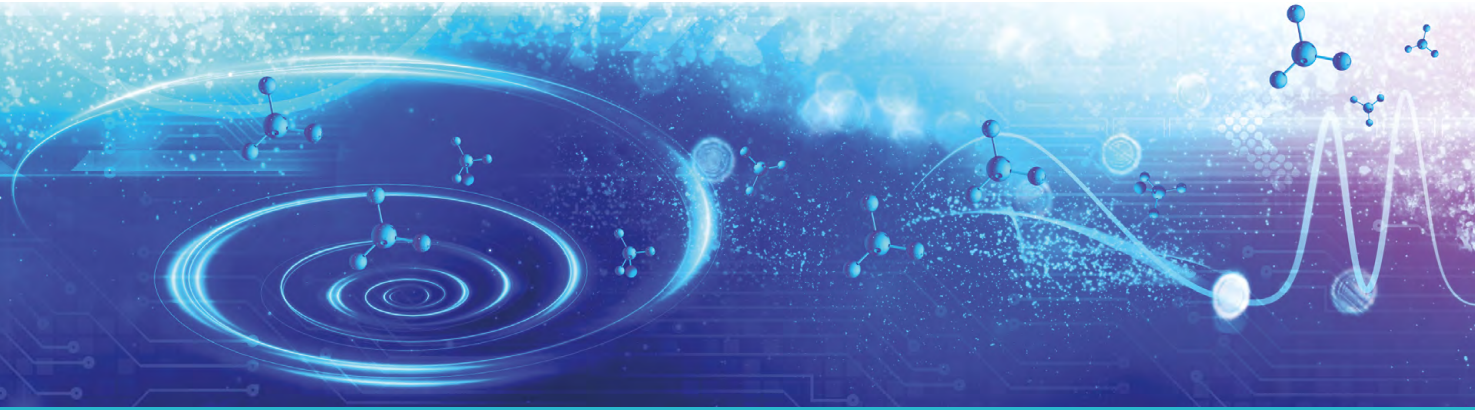
Your multi-function laboratory evaporator.
X-tra compact.
X-tra intuitive.
X-tra efficient.

Advion Interchim scientific

INTRODUCTION

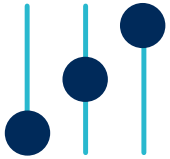
Evaporation and concentration of your samples

With the puriFlash® XS-Vap, the concentration of your samples will be faster and easier than ever before! Integrating innovative technologies, evaporation times and gas consumption are reduced. Our evaporator is controlled by ultra-intuitive software to guarantee working comfort and time savings.
Its operation is simple: place your sample tubes to be concentrated in the unit, start the evaporation process and trust our needle height adjustment technology.
Within minutes, your solvent is evaporated and your compounds are ready for analysis.



PRODUCT DETAILS

The puriFlash® XS-Vap evaporator is at your side from start to finish during your concentrations/evaporations



Whatever your field (research, development, quality control, process),
the puriFlash® XS-Vap will become an essential instrument in your laboratory. The puriFlash® XS-Vap is much more than a simple solvent evaporator! Thanks to the height adjustment of the needles, the gas consumption is drastically reduced and the evaporation speed increases without losing your molecules.

PLUG & PLAY: Plug in. Use.

Take advantage of the many features of your solvent evaporator without delay.
The puriFlash® XS-Vap can be up and running in minutes, making your work easier and saving you time every day.

How to check the evaporation process?

The entire device is transparent, allowing you to view the samples during the evaporation process and to adjust the needle position according to the solvent level in the tubes.

SOFTWARE FEATURES

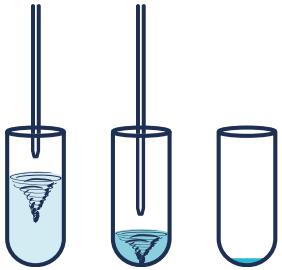
Software control integrated in the device

- Heating system control
- Two modes: manual & timer (setting evaporation time)
- Light control inside the bath
- Message-driven programming
- Select gas rows and rack configuration

EVAPORATION RATE TABLE

Solvent	Boiling Point	Gas flow Consumption per position	Heating temperature						
			30°C	35°C	40°C	45°C	50°C	55°C	60°C
			Approx. Evaporation Time (min)						
Acetonitrile	82°C	< 1L/min	---	40	30	---	24	---	15
Acetonitrile/Water (70/30)	---	1.2L/min	---	---	---	70	---	---	---
Chloroform	61.2°C	< 1L/min	---	---	12	---	10	---	---
Cyclohexane	80.75°C	< 1L/min	---	---	14	---	11	---	9
Dichloromethane	39.6°C	< 1L/min	12	---	---	---	---	---	---
Diethylether	34.6°C	< 1L/min	6	---	---	---	---	---	---
Ethanol	78°C	< 1L/min	---	---	40	---	33	---	23
Ethyl acetate	77.1°C	< 1L/min	---	19	17	---	11	---	9
Hexane	69°C	< 1L/min	---	12	9	---	6	---	4
Isopropyl alcohol	82.5°C	< 1L/min	---	---	40	---	32	---	---
Methanol	64.7°C	< 1L/min	---	29	28	---	19	---	---
Methanol/Acetonitrile (50/50) with acetic acid	---	< 1L/min	---	---	---	---	---	19	---
Methanol/Acetonitrile/Water (50/50/20)	---	1L/min	---	---	---	---	---	50	---
Methylterbutyl ether	55.2°C	< 1L/min	---	---	8	---	---	---	---
THF	66°C	< 1L/min	---	---	13	---	11	---	---
Toluene	110.6°C	< 1L/min	---	---	38	---	29	---	---
Water	100°C	< 1L/min	---	---	---	---	110	---	104

Sample volume: 10mL
Tube: 16x100mm
Gas: 1 bar - Nitrogen



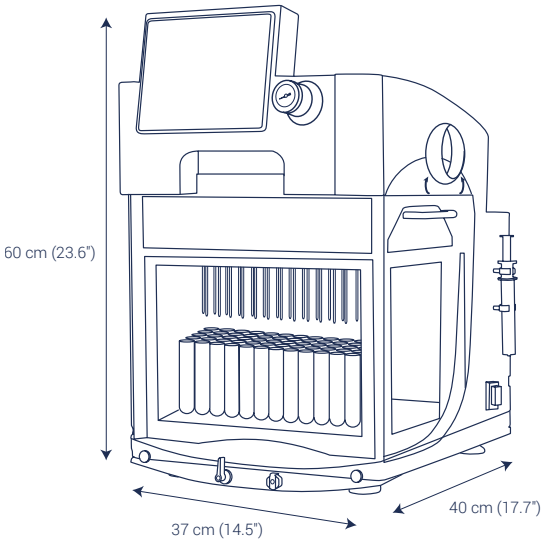
Sample volume: 50mL
Tube: 250mL glassware
Gas: 1 bar - Air compressed

Solvent	Boiling Point	Gas flow Consumption per position	Heating temperature		
			40°C	45°C	50°C
			Approx. Evaporation Time (min)		
Ethanol	78°C	1.2L/min	---	---	36
Ethyl acetate	77.1°C	1.2L/min	---	---	17
Hexane	69°C	1.2L/min	11	---	8
Isopropyl alcohol	82.5°C	1.2L/min	---	---	32
Methanol	64.7°C	1.2L/min	---	---	23
Methanol/Water (50/50)		1.4L/min		120	---
Toluene	110.6°C	1.2L/min	---	---	36

TECHNICAL SPECIFICATIONS

- **Evaporation capacity:**
  Up to 90 samples in parallel.
- **Sample volume:**
  From a few milliliters to 250mL per position.
- **Gas consumption:**
  Use of nitrogen or compressed air to supply the device at a pressure of 1-3 bar.
  Consumption is less than 1L/min per position.
- **Heating temperature:**
  Ambient up to 90°C
- **Needle adjustment:**
  The level of the needles is manually adjustable according to the volume and the evaporation speed of the solvent.
- **Lights:**
  Different lights visually indicate the stage of operation of the device.
- **Control software:**
  Intuitive control software integrated into a touch screen control.
- **Compatibility:**
  The puriFlash® XS-Vap is compatible with all types of solvents.
  Our puriFlash® Gen 5, Gen 4 and XS racks are compatible with the device allowing direct evaporation of the tubes collected in the rack.
- **Tube dimensions:**
  Vial: 2mL (12x32mm); 4mL (15x45mm); 8mL (17x60mm); Eppendorf 2mL;
  Tube:13x100mm; 16x100mm; 16x150mm; 18x150mm
  Glass tube: 250mL with dry end-point; 250mL with 1mL end-point
- **Dimension & Weight:**
  Width 14.5"x Depth 17.7"x Height 23.6"
  Weight: 35kg

Certified CE & UL



DEMONSTRATION VIDEO

Scan the QRcode to access the demonstration video made by our product expert and discover all the benefits of this new evaporator!

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How to request more information, a quotation or to place an order

Please see from the list below:

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All your orders will be recorded & processed as quickly as possible.

You need technical assistance?
Our scientific experts are here to help.

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