

EvapoClean®

**Closed environment sample evaporation device.
Protect samples from all external sources of contamination during evaporation.**

Non contractual pictures



EvapoClean® 25mL

EvapoClean® 125mL

All our Evapoclean are equipped with a side protection to increase the quality of the heating.

Acid inertness

The 400µm thick PFA coating on our devices offers protection from corrosion by aggressive reagents, ensuring that the **risk of contaminating your samples**, work spaces and clean rooms is eliminated. All devices have successfully passed acceptance testing cleanroom class1.

Performance

Perfect temperature uniformity across the heating surface; your samples are evaporated at the same temperature and rate.

Reliability

The temperature controller, connected to the device by a 1.7m long cable (held inside a PFA tube), can be placed outside the fume hood for better protection and is **safe for continuous use**. All heated parts are fully encased and impervious to attack by corrosive reagents, ensuring a **long, maintenance-free life**.

Flexibility

Our devices are offered in standard sizes and can also be **tailor-made to customer specifications**, depending on the available workspace and size of your vessels.

Functioning

The evaporation of the reagent to be eliminated or purified is held to a constant, uniform and controlled temperature. This temperature is slightly under the boiling point. The isolated vapors from the atmosphere are condensed, canalized and stored in the coldest part with no way back possible to the solution to be evaporated.

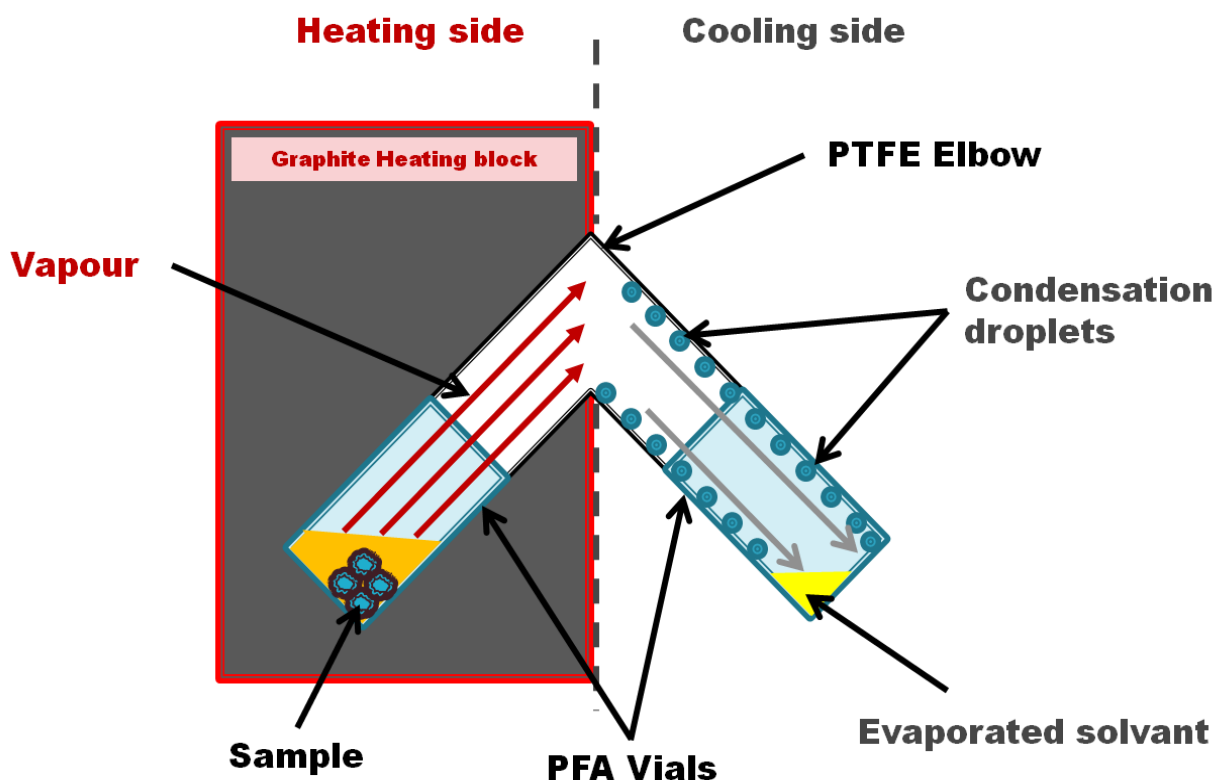
The EvapoClean® allows partial or complete evaporation of solutions at a constant and controlled temperature without any loss of elements and without contamination of the atmosphere. It makes the detection of traces and ultra-traces easier by different method of analysis.

Mineralization wells allow you to put in solution several samples simultaneously or condition your vessel with CleanClever. Elbows are simply conditioned by evaporation of a reagent.

The functioning in closed environment protects users and your labs' environment against acid fumes. It greatly reduces your operating costs and your expensive investments in neutralizing system installation of corrosive and toxic fumes. The elbows / containers joints are sealed, but it is strongly recommended to install the equipment in a fume hood. In all cases, you must comply with your laboratory's regulations.

Before the first use, we recommend you to clean the elbows by evaporation / condensation of a diluted acid solution and water.

The sample introduction can be carried out simultaneously or independently of each other.



Nota: Speed evaporation, 25-35mL /h

Utilization

Wear protective gloves against heat when handling hot vials, jars and elbows.
Do not take support on the block during heating at risk of burns.
Elbows do not have a way of use.
Be sure to condition elbows before first use.
Be sure to well condition vials and jars before use.
Containers are screwed firmly on the elbows without forcing which could damage the thread.

During the device's functioning, make sure there is no drop of reagent on the outside wall of the container, which would mean there is a leak (the container is not sufficiently screwed or the thread has been damaged).
When properly closed (firmly but without forcing) the container should not move. Otherwise, unscrew and screw it back in place.

Technical data

Dimensions (required space)

Reference	Length (mm)	Width (mm)	Height (mm) Feet included	Weight (kg)
EV-3.25mL	315	210	305	8
EV-6.25mL	450	210	305	21
EV-12.25mL	450	370	310	38
EV-3.125mL	360	300	390	36
EV-3.500mL	386	236	416	
EV-6.125mL	655	300	390	57
EV-12.125mL	647	500	390	90
EV-3.125mL + 5.25mL	410	410	390	30

Number of positions

Reference	Number of positions on the EV's side	Volume of vials and jars	Number of positions on the EV's top	Additional information
EV-3.25mL	3	25mL	6	3X KIT-VESSEL-25ML
EV-6.25mL	6	25mL	12	6X KIT-VESSEL-25ML
EV-12.25mL	12	25mL	24	12X KIT-VESSEL-25ML
EV-3.125mL	3	125mL	6	3X KIT-VESSEL-125ML
EV-3.500mL	3	500mL	6	3X KIT-VESSEL-500ML
EV-6.125mL	6	125mL	12	6X KIT-VESSEL-125ML
EV-12.125mL	12	125mL	24	12X KIT-VESSEL-125ML
EV-3.125mL + 5.25mL	3+5	125mL + 25mL	14	3X KIT-VESSEL-125ML + 5X KIT-VESSEL-25ML

Power

Reference	Power	Amp for EvapoClean 230V	Amp for EvapoClean 110V	Temperature
EV-3.25mL	1000 W	4.3 Amp	9.1 Amp	250°C
EV-6.25mL	1500 W	5.6 Amp	11.8 Amp	250°C
EV-12.25mL	3000 W 2000 W	13 Amp --	-- 18.2 Amp	250°C 200°C (20A)/150°C (15A)
EV-3.125mL	2200 W 2000 W	9.6 Amp --	-- 18.2 Amp	250°C
EV-3.500mL	2600 W	11.3 Amp	--	250°C (230V)/Not available in 110V
EV-6.125mL	3600 W	15.6 Amp	32.7 Amp	250°C (230V)/150°C (110V)
EV-12.125mL	3600 W	15.6 Amp	--	180°C (230V)/Not available in 110V
EV-3.125mL + 5.25mL	2200 W	9.6 Amp	--	250°C

Voltage: 230V (50Hz) or 110V (60Hz)

Temperature: 250°C maximum – Uniformity +/- 2°C
 Temperature rise: 6°C / minute
 Temperature drop: 1°C / minute

Material: PFA coated graphite

Warranty: 1 year for electronic and electric elements
 2 years for the graphite (under normal use, without putting on any sharp vessel)