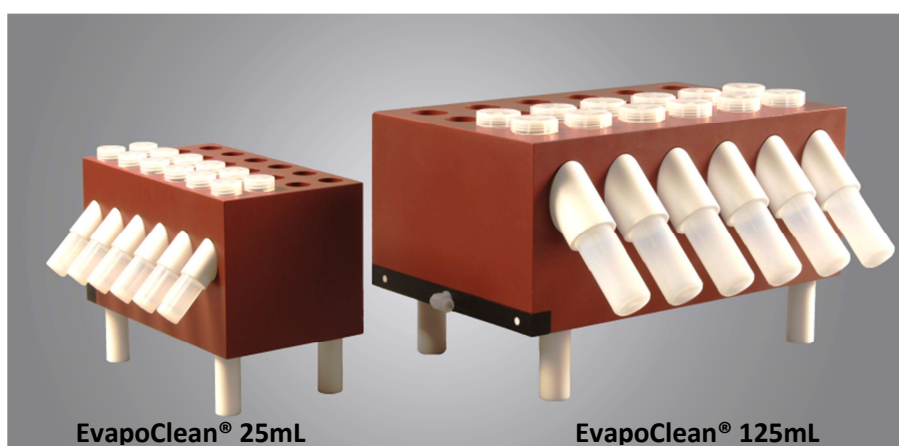


EvapoClean®

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



Non contractual pictures

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

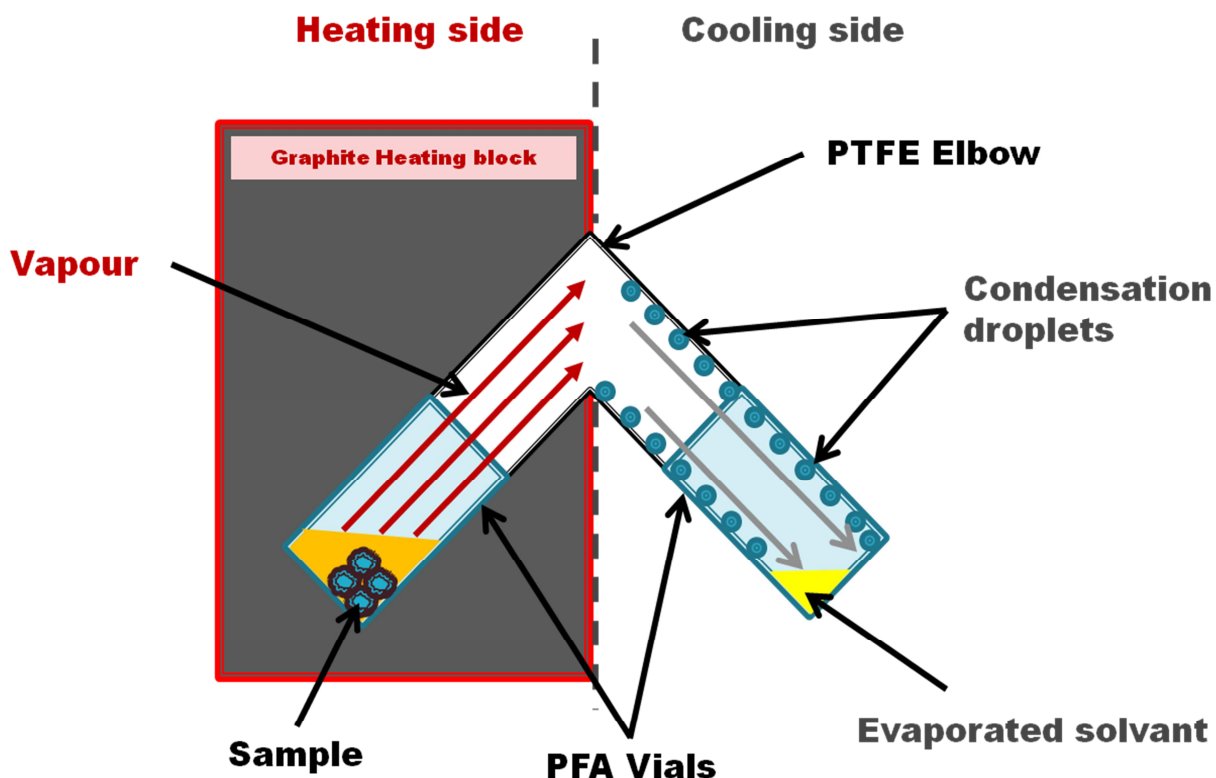
The evaporation of the reagent to be eliminated or purified is held to a constant, uniform and controlled temperature. This temperature is slightly under the boiling point. The isolated vapors from the atmosphere are condensed, canalized and stored in the coldest part with no way back possible to the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



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 position

Reference	Number of positions on the EV's side	Volume of vials and jars	Number of positions on the EV's top	Additional informations
EV-3.25mL	3	25mL	6	6 positions of 30ml
EV-6.25mL	6	25mL	12	12 positions of 30ml
EV-12.25mL	12	25mL	24	24 positions of 30 ml
EV-3.125mL	3	125mL	6	6 positions in which : 3x90ml + 3x125ml
EV-3.500mL	3	500mL	6	6 positions of 90ml
EV-6.125mL	6	125mL	12	12 positions in which : 6x90ml + 6x125ml
EV-12.125mL	12	125mL	24	24 positions of 90ml
EV-3.125mL + 5.25mL	3+5	125mL + 25mL	14	14 positions in which : 4x90ml + 10x30ml

Accessories included in your EvapoClean

Reference	Elbows	AHF Vials 30mL + Savillex closures	Savillex Jars 180mL + closures or AHF Bottle	Thermal Protection
EV-3.25mL	3 x ELBOW-25ml	6 x (T46-326 / 600-033-01)		Yes
EV-6.25mL	6 x ELBOW-25ml	12 x (T46-326 / 600-033-01)		Yes
EV-12.25mL	12 x ELBOW-25ml	24 x (T46-326 / 600-033-01)		Yes
EV-3.125mL	3 x ELBOW-125ml		6 x (100-0180-02 / 600-053-01)	Yes
EV-6.125mL	6 x ELBOW-125ml		12 x (100-0180-02 / 600-053-01)	Yes
EV-12.125mL	12 x ELBOW-125ml		24 x (100-0180-02 / 600-053-01)	Yes
EV-3.500mL	3 x ELBOW-500ml	3 x T84-500	3 x T84-500	Yes
EV-3.125mL + 5.25mL	3 x ELBOW-125ml + 5 x ELBOW-25ml	-- 10 x (T46-326 / 600-033-01)	6 x (100-0180-02 / 600-053-01) --	Yes

Power

Reference	Power	Amp for EvapoClean 230V	Amp for EvapoClean 110V
EV-3.25mL	1000 W	4.3 Amp	9.1 Amp
EV-6.25mL	1300 W	5.6 Amp	11.8 Amp
EV-12.25mL	2200 W	9.6 Amp	20 Amp
EV-3.125mL	2200 W 2000 W	9.6 Amp --	-- 18.2 Amp
EV-3.500mL	2000 W	9 Amp	18.2 Amp
EV-6.125mL	3600 W	15.6 Amp	32.7 Amp
EV-12.125mL	3600 W	15.6 Amp	--
EV-3.125mL + 5.25mL	2200 W	9.6 Amp	--

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)

Options & Accessories

ELBOW Stand



The “Elbow Stand” accessory was designed to preserve the integrity of your samples after evaporation or your acids after the purification process.

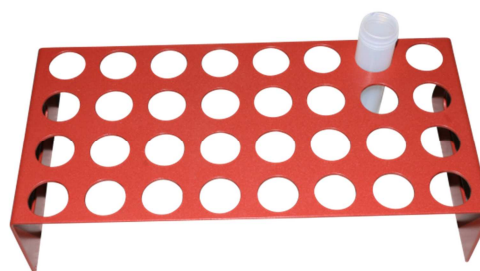
It can be used in the following cases:

- To safely carry samples between the device and the Sorbonne,
- To let stand the elbows before or after used.

Our models can be used with all our elbows (125mL / 25mL / 7mL).

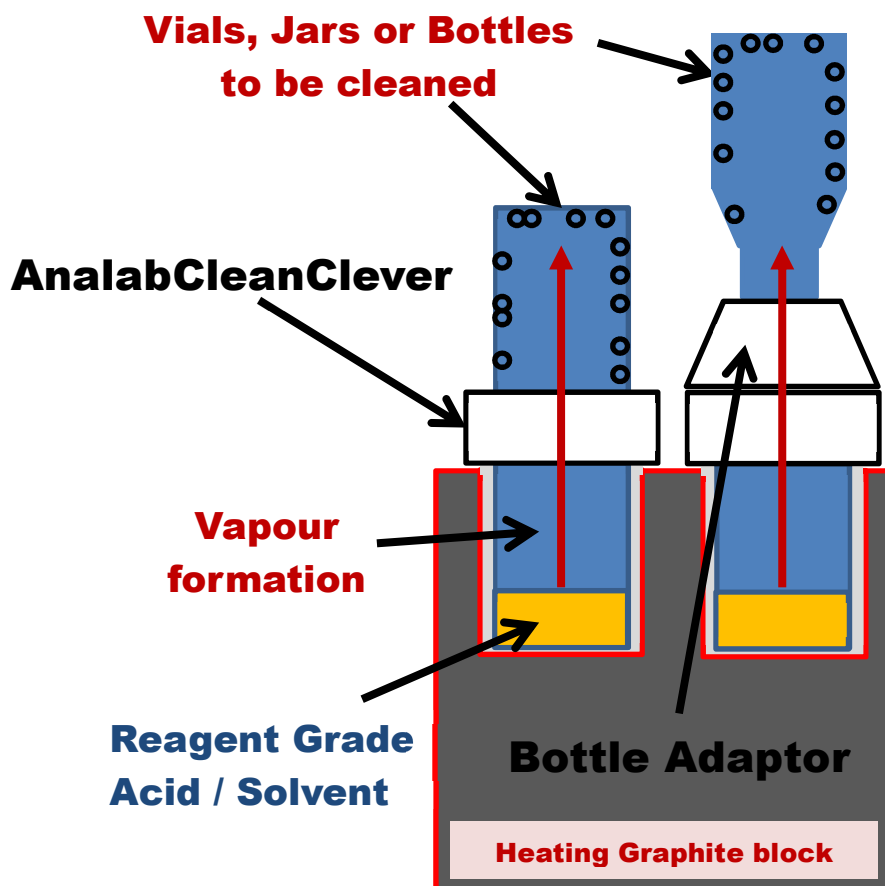
TransRack polycarbonate or inox coated

The TransRack is an ideal accessory to carry containers (without elbows) after mineralization or evaporation.



The PFA containers are also available on our website: www.savillex.com

Evapo Cleaning kit



Evapo Cleaning Kit 25ml	Evapo Cleaning Kit 125ml
3 CleanClever® n°6	3 CleanClever® n°6
3 Vials Savillex (200-030-12)	3 Jars Savillex (100-0090-01)
3 Jars Savillex (200-015-12)	3 Jars Savillex (100-0060-01)

The PFA containers are also available on our website: www.savillex.com

Temperature controllers

Developed to control reliably and safely the ANALAB® devices

Non-Programmable		
	110V	230V
	REG-RNP-1V-F (P116)	REG-RNP-2V-F (P116)
<i>With extra display for In Situ sensor (included)</i>	REG-RNP-AFF-1V-C (P116)	REG-RNP-AFF-2V-C (P116)

Programmable		
	110V	230V
	REG-RP-1V-E/P1 (PXG4)	REG-RP-2V-E/P1 (PXG4)
<i>With extra display for In Situ sensor (included)</i>	REG-RP-AFF-1V-D (PXG4)	REG-RP-AFF-2V-D (PXG4)

Dimensions: 205 x 160 x 80 mm

Weight: 1.16 kg

In Situ sensor length: 270 mm

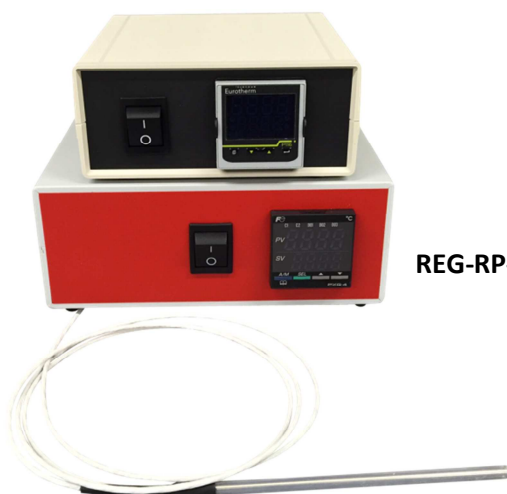
Warranty: 1 year for electronic and electric elements



REG-RP (PXG4)



REG-RNP (P116)



REG-RP-AFF (PXG4)

These choices ensure high sample preparation performance and high savings on your operating budget.

