ETC EasyTraceCleaner®

Decontamination and pre-conditioning device for all types of vessel.
Efficient, economic and reproducible.

2 existing standard models:
ETC EVO II Standard, with single controller. Prewired with CRD System (Clean-Rinse-Dry)

Non contractual pictures

ETC EVO II Standard/PreWired

ETC EVO II PreWired with CRD System
Possibility to have 2 Acid option and/or Flask cleaning option

One tray included with removable rods for many different vials, liners, tips for pipette and closures

Analab® offers devices for cleaning and decontaminating by condensation of acid vapor for a wide variety of containers for the sample's mineralization.

Material: PFA, PTFE, PP, quartz, glass etc...

Vessel: Digestion tubes, auto sampler vials, microwave liners, storage or sampling bottles, pipette tips, UV cups ...

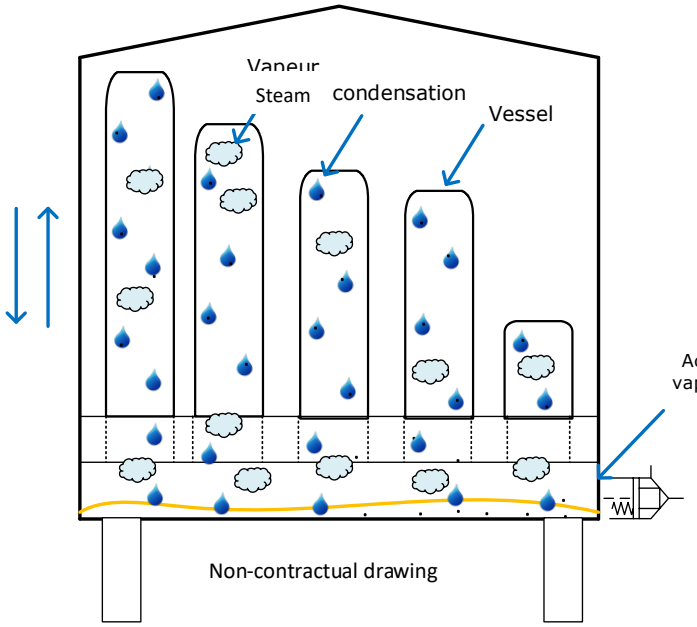
Our devices give you more reproducible sample preparation, security handling, savings for your budget.

23 rte de la Wantzenau 67800 HOENHEIM – Phone : +33 (0)3 88 51 79 51
Fax : +33 (0)3 88 51 79 13 - Website : www.analab.fr – Email : infos@analab.fr

Functioning

The decontamination procedure by heat, by steam condensate extremely pure acid, without interaction with the laboratory air, doesn't introduce contamination into the containers which are treated as the same way. It is ideal for the analysis of trace and ultra-trace elements.

Functioning principle:
The acid is heated below boiling point, ultra-pure vapor is channeled inward to containers, condenses on the tank's walls and flows downward to the bottom of the tank with the impurities.
The acid purity is constant.



Principle:

The very pure acid vapor emitted from the bath, goes by convection inside the containers. By condensing on the inner wall of the containers, it dissolves the contaminants on the wall surface as well as in micro cracks. The droplets containing impurities come down by gravity into the tray. Contamination is then extracted and sequestered in the acid bath.

Once the cleaning by the acid is performed, a device can evacuate, either manually or automatically (optional system CRD), the cleaning reagent and replaces it with pure water or another reagent.

The water is heated, evaporated and purified the same way. It eliminates residual acids located on the surface of the containers.

After water is drained out of the tank, the drying is done automatically and without any additional contaminant (optional system CRD).

The duration of each cycle is 4 to 10 hours, depending on the shape and volume of the container.

The operating temperature of the ETC is 130 ° C (maximum).

Several diluted or concentrated acids can be run like HNO^3, HF, HCL… in 300 to 500mL of cleaning solution.

23 rte de la Wantzenau 67800 HOENHEIM – Phone : +33 (0)3 88 51 79 51
Fax : +33 (0)3 88 51 79 13 - Website : www.analab.fr – Email : infos@analab.fr

Total safe handling

The operator doesn't need to introduce and remove repetitively acid reagent into the containers to be packaged. In addition, the reliability of the regulators allows intensive use, 24/7

Economy

ETC generates cost saving thanks to:

1- Small quantity of reagent (300 to 500 ml) is required
2- No need for high purity acid, since ETC continuously purify the acid
3- Reagent could be recycled, preventing elimination/disposal cost.

Produce very lower blanks – Save time – Reduce acid and consumable costs

Dimension of the ETC EVO II:

Outside diameter of the device: 330 mm

Total height of the device (feet and lid included):

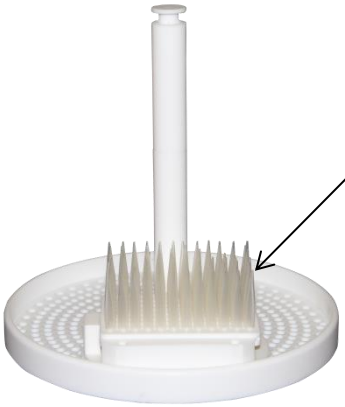
- Model M: 360 mm
- Model L: 450 mm
- Model XL: 515 mm

Maximum height of the vessel:

- Model M: 145 mm
- Model L: 230 mm
- Model XL: 285 mm

Optional:

Middle plate
Closure cleaning



P'Tips Rack
Tips cleaning

Adjustable tray with compartments

23 rte de la Wantzenau 67800 HOENHEIM – Phone : +33 (0)3 88 51 79 51
Fax : +33 (0)3 88 51 79 13 - Website : www.analab.fr – Email : infos@analab.fr

CRD (Clean-Rinse-Drv) System

Self-contained device: the operator is not in contact with the reagent. He simply places the containers to be cleaned on the plate/basket and he just needs to remove them at the end of the cycle “washed-rinsed-dried”. With the automatic version ETC could operate at night without operator and saves time. The CRD System has also the ability to propose 2 Acid and/or flask cleaning options

Non contractual pictures

The 2 Acid option allows you the possibility to clean your vessel with two different acids without being in contact between each other.

The flask cleaning option improves the cleanliness of the vessel especially for flasks.

Note: if you order a CRD, you don’t need to order a controller, it is already included in the device. ETC EVO II Standard is not compatible with CRD System, only ETC EVO II PreWired is.

23 rte de la Wantzenau 67800 HOENHEIM – Phone : +33 (0)3 88 51 79 51
Fax : +33 (0)3 88 51 79 13 - Website : www.analab.fr – Email : infos@analab.fr