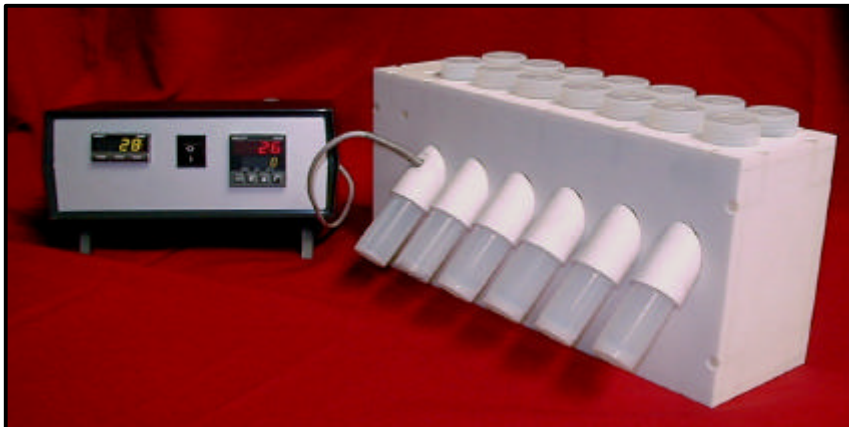


EVAPOCLEAN



CLOSED-ENVIRONMENT for EVAPORATION, PRECONCENTRATION, DISSOLUTION, ACID DIGESTION

Developed at the Institute of Physics of the Earth (Paris, France), the primary function of the **EVAPOCLEAN** is to preconcentrate various chemical solutions under controlled conditions using sub-boiling distillation for solvent removal. Evaporation (at temperatures up to 250 °C) and immediate condensation occur in a closed system that does not exchange with laboratory air.

The **EVAPOCLEAN** device allows the analyst to process organic solvents, aqueous solutions, acidic and alkaline solutions, and concentrated solutions which derive from the dissolution of various materials with aggressive reagents (HF, HCl, HBr, HNO₃, HClO₄, H₂SO₄, H₂O₂, NH₄OH). Applications include raw materials (rocks, mineral, ores, natural waters), industrial and advanced materials (cements, metals, glass products, ceramics), as well as basic chemicals for industry, highly pure chemicals, and liquid and solid wastes.

EVAPOCLEAN devices are also designed for trace and ultra-trace element analyses which require a cleanroom environment. Evaporation-condensation cells are made with non-contaminating, corrosion-resistant, high-purity grade fluoropolymer materials, machined under controlled conditions. They do not emit dust particles.

Depending on the **EVAPOCLEAN** model that is chosen, 1 to 12 samples can be processed simultaneously or independently, without risk of cross-contamination. It is possible to evaporate to dryness or to leave a small residual volume of the evaporating liquid, to concentrate solutions, and to purify liquid reagents.

Vertical housings are available for the top face of **EVAPOCLEAN** devices to allow acid digestion of sample and cleaning of jars by acid or water vapor etching.

EVAPOCLEAN

EV-EVAPO.6.25.R1

Model 6.25ml: the hot block incorporates 6 housings for evaporation-condensation steps in 17 ml or 33 ml jars (evaporation of less than one milliliter volumes down to microliter volumes is achieved with small or micro containers) and 14 vertical housings for sample digestion and jar cleaning. Includes: hot block, 6 elbow pipes (high purity PTFE), 12 SAVILLEX[®] jars (size at your convenience), basic heat control unit.

Dimensions: 370mm x 110mm x 171mm (h) Weight: 12 Kg Current: 220/110 V

EV-EVAPO.12.25.R1

Model 12.25ml: the hot block incorporates 12 housings for evaporation-condensation steps in 17 ml or 33 ml jars (use of small or micro containers identical to the model 6.25 ml) and 28 vertical housings for sample digestion and jar cleaning. Includes: hot block, 12 elbow pipes (high purity PTFE), 24 SAVILLEX[®] jars (size at your convenience), basic heat control unit.

Dimensions: 370mm x 190mm x 171mm (h) Weight: 20 Kg Current: 220/110 V



EV-EVAPO.6.125.R1 :

Model 6.125ml: the hot block incorporates 6 housings for evaporation-condensation steps in 60, 90 or 180 ml jars. Includes: hot block, 6 elbow pipes (high purity PTFE), 12 SAVILLEX[®] jars (size at your convenience), basic heat control unit.

Dimensions: 540mm x 160mm x 217mm (h) Weight: 30 Kg Current: 220/110 V

EV-EVAPO.12.125.R1 :

Model 12.125ml: the hot block incorporates 12 housings for evaporation-condensation steps in 60, 90 or 180 ml jars. Includes: hot block, 12 elbow pipes (high purity PTFE), 24 SAVILLEX[®] jars (size at your convenience), basic heat control unit.

Dimensions: 540mm x 290mm x 217mm (h) Weight: 60 Kg Current: 220/110 V

Option: Programmable heat control unit (4 programs, 16 segments).

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