

OMNIPURE™

Sub-Boiling Fluoropolymer Distillation System

The OmniPure™ is a fully automated unit with all wetted parts composed of inert, high-purity Teflon® PFA and FEP. The distillation assembly consists of a directly heated distillation container and an air-cooled condensation bottle. No external cooling system is required.

The OmniPure™ allows on-demand production of high purity inorganic acids (e.g. HNO₃, HCl, HF) from less expensive reagent grade materials. Cost savings can be significant compared with purchase of commercial high-purity acids.



INERT CONSTRUCTION

All wetted parts are composed of high-purity fluoropolymers such as Teflon® PFA and FEP. In addition, the OmniPure™ support stand is composed of polypropylene and the heater block is Teflon® coated.

REMOTE OPERATION

The electronic control module is connected to the OmniPure™ via a Teflon® coated power cable. This feature allows system operation from outside the fume hood and away from corrosive liquids and vapors.

EASY-TO-USE

The electronic control module allows the user to easily set both heating temperature and distillation time.

ECONOMICAL

Prepare high-purity inorganic acids directly from less-expensive reagent grade material.

EASY MAINTENANCE

The OmniPure™ is designed for easy removal, cleaning and exchange of distillation components. A sliding bottle rack with a built-in tray provides further ease-of-use while protecting against accidental liquid spills.

Throughput, 70% HNO₃, 12 hours:

Temp (°C)	Volume (mL)
60	160
70	210
80	250
90	315
100	375

Technical Specifications

Distillation Container: 1 L Teflon® PFA jar, 500 mL capacity

Collection Container: 500 mL Teflon® PFA bottle

Temperature Range: 50 °C to 110 °C; 1 °C increments

Timer Range: up to 99 hr, 59 min; 1 min increments

Power Requirements: 100 - 240 VAC, 50/60 Hz, 6A

Distillation Unit Dimensions:

Height: 73.7 cm (29")

Width: 43.5 cm (17.1")

Depth: 38.6 cm (15.2")

Electronic Control Module Dimensions:

Height: 11.4 cm (4.5")

Width: 15.8 cm (6.2")

Depth: 22.8 cm (9.0")

Total Weight: 21.1 kg (46.4 lbs)

Warranty: 12 month limited