



APS-2000 SUB-BOILING SYSTEM

For daily demand of ultra-pure acids



METAL-FREE ACID PURIFICATION

The APS-2000 is an effective system for use in ultra-trace element analysis (< 10 ppt), especially for sample preparation in ICP-MS. The liquids are purified by a continuous controlled sub-boiling process. The design of the APS-2000 ensures that liquids contact only parts made from ultra-pure Perfluoroalkoxy polymer (PFA).

FEATURES & BENEFITS

- ✓ Effective production of ultra-pure acids
- ✓ Temperature setting up to 240 °C
- ✓ For low and medium boiling acids
- ✓ Large liquid capacity
- ✓ Liquids contact only pure PFA
- ✓ Cost-saving operation
- ✓ No cooling-water required

SYSTEM OVERVIEW



BASIC CONFIGURATION

- :: PFA container held by a PTFE base
- :: Collection bottle 1 Liter (PFA)
- :: Drain outlet tube with stopcock valve
- :: Inlet vessel with dust cap
- :: Temperature controller (up to 240 °C)

INSTALLATION SET-UP

- :: Diameter 250 mm
- :: Height 470 mm
- :: Weight (without controller) 10 kg
- :: Liquid outlet, drain and inlet OD 8 mm
- :: Mains 230 V, 50/60 Hz; 500 Watt (2,5 A)
- :: Cable length (unit to controller) 2 m

SYSTEM PERFORMANCE



Distillation
Rate



Purification
Factor



Absolut Element
Purity



Temperature
Controlling



For Various
Liquids

SYSTEM OPTIONS



Higher Production

Combination of two APS
for distillation in series
to produce more
ultra-pure acids



Longterm Operation

Additional storing
container and bigger
collection bottle for
longterm operation



Higher Temperature

Special insulation for
high temperature
operation



Vial Cleaning

Combination of APS with
vial cleaning system