duoPUR
Quartz Acid Purification System

HIGH-PURITY ACIDS
AT REDUCED COST
FOR TRACE METALS ANALYSIS

| COST-EFFECTIVE REAGENTS FOR HIGH-QUALITY TRACE METALS ANALYSIS

The duoPUR allows you to purify reagent grade acid for trace metals analysis at a fraction of the price. With its two purification modules, distillation capacity can be doubled, ensuring a continuous supply of ultrapure reagents.

90% COST SAVING

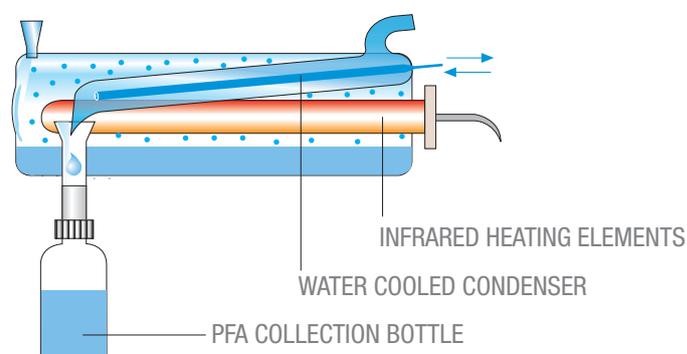HIGH PRODUCTIVITY

ON-DEMAND ACID PURIFICATION

AUTOMATIC & SAFE

COST-EFFECTIVE HIGH-PURITY REAGENTS

SUBBOILING TECHNOLOGY

Sub-boiling distillation has proven to be the best and most cost-effective method of acid purification. While conventional distillation boils the acid and generates an aerosol that can contain contaminants from the starting reagent, sub-boiling distillation prevents the formation of spray or droplets and yields very high purity acid.

INFRARED

HEATING PLATE
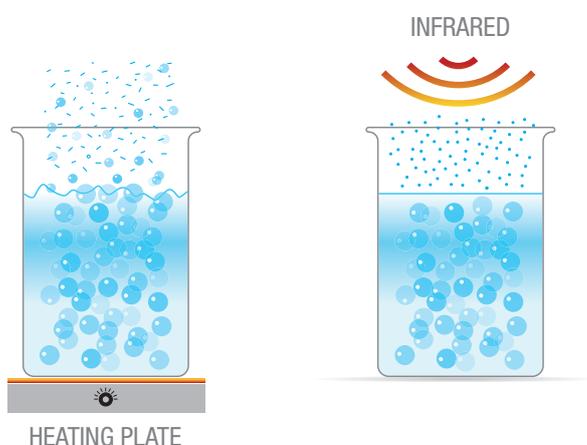
Conventional vaporization vs sub-boiling

INFRARED HEATING ELEMENTS

WATER COOLED CONDENSER

PFA COLLECTION BOTTLE

Schematic of a sub-boiling distillation system with duoPUR

2X PURIFICATION CAPACITY

The duoPUR provides double distillation capacity for 1 reagent or simultaneous purification of two different reagents. This is made possible with two quartz distillation units, each equipped with two infared heating elements. The water cooling allows fast condensation of the ultrapure acid into the collection bottle. With the duoPUR you can rely few hundreds of ultrapure acid per hour.

GREAT RETURN ON INVESTMENT

In trace metals analysis you often need to use expensive high-purity acids. Applying the duoPUR, with sub-boiling technology, the cost of reagents can be reduced up to 90%, efficiently purifying reagent grade acids to provide ultrapure acids at the desired quality.

AUTOMATIC & SAFE

Simply select a stored method and press "START" on the touch screen terminal, to begin the sub-boiling purification process. Safety and ease of use are ensured by the automatic loading / draining module which minimizes exposure to any acid.

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HELPING CHEMISTS

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