



Features and Benefits

- Wetted Parts of Molded PFA
- Compact Design
- Easy to Use
- No Cooling Water Required
- Built-in Heater
- Maximum Heating Below Boiling Point of Acid
- Large Volume Capacity
- Waste Drain for Easy Cleaning

Introducing the Savillex DST-1000 Sub-Boiling Distillation System

The New Savillex DST-1000 Sub-Boiling Distillation system operates as a practically closed system, which will produce the highest quality acids for your most demanding analytical applications.

The high purity fluoropolymer construction of the DST-1000 allows for the distillation of all of the acids most commonly used in sample preparation and analysis via ICP-OES and ICP-MS, including HF.

The DST-1000 is safe and easy to operate. The compact unit fits within most laboratory fume hoods, and takes up less than 1 sq/ft of critical working space inside of the hood.

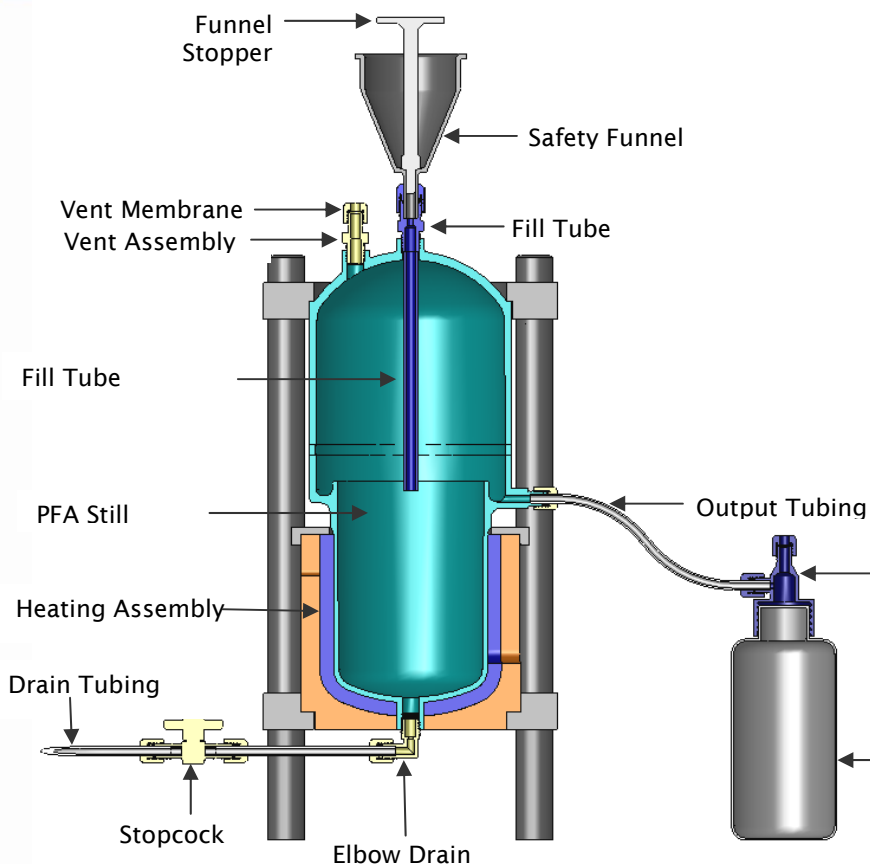
The heating mantle, which surrounds the evaporation chamber, gently heats the contents without the use of lamps or other external heating devices, which can corrode in harsh acidic environments.

The unique design of the DST-1000 requires no cooling water which not only allows greater flexibility in operation, but also promotes conservation efforts within the laboratory.

The convenient, built-in waste drain removes waste acid easily and efficiently and does not require the use of a pump.

The temperature control unit is housed in a sturdy plastic case, and is available in voltage ratings for every country. The variable temperature settings allow you to control the distillation rate that best fits your specific schedule and purity demands.

Because the DST-1000 is proudly manufactured by Savillex Corporation, which is the most trusted name in PFA lab products, you can be assured of the quality, reliability and performance of your sub-boiling distillation system.



Specifications

Power Source

100 VAC +/- 5% 50/60 Hz
115 VAC +/- 5% 50/60 Hz
230 VAC +/- 5% 50/60 Hz

Power: 70 watts

Weight: 4.6 kg / 10.15 lbs

Dimensions

L x W: 20 cm x 20 cm
10.15" x 10.15"

Height: 43 cm / 16.92"

Height with funnel: 51 cm / 20.08"

Capacity: 1 Liter / 33.82 oz

38mm PFA Transfer Closure #
600-038-46
(closure & membrane sold separately)

1 Liter PFA Collection
Bottle #155-01-01-1000
(sold separately)

Distillation Rates

Analyte	Hi	Mid	Low
HNO ₃	40 ml/hr	25 ml/hr	5 ml/hr
HCL	40 ml/hr	25 ml/hr	10 ml/hr
HF	40 ml/hr	25 ml/hr	10 ml/hr
H ₂ O	50 ml/hr	35 ml/hr	10 ml/hr

Ordering Information

Part Number	Description
525-1000-100	DST-1000 Sub-boiling Distillation System, 100 Volt
525-1000-115	DST-1000 Sub-boiling Distillation System, 115 Volt
525-1000-230	DST-1000 Sub-boiling Distillation System, 230 Volt
155-01-01-1000	1 Liter Nalgene® PFA bottle, 38mm neck opening
155-01-01-0500	500 ml Nalgene® PFA bottle, 38mm neck opening
155-01-01-0250	250 ml Nalgene® PFA bottle, 38mm neck opening
155-01-01-0125	125 ml Nalgene® PFA bottle, 38mm neck opening
600-038-46	38 mm transfer closure with vent nut, (2) ¼" tube ports, one top, one side (membrane part #450-09-3 sold separately)