

DST-1000

Subboiling Distillation System



FEATURES & 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

DISCRIPTION:

The DST-1000 Subboiling Distillation system operates as a practically completely 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.

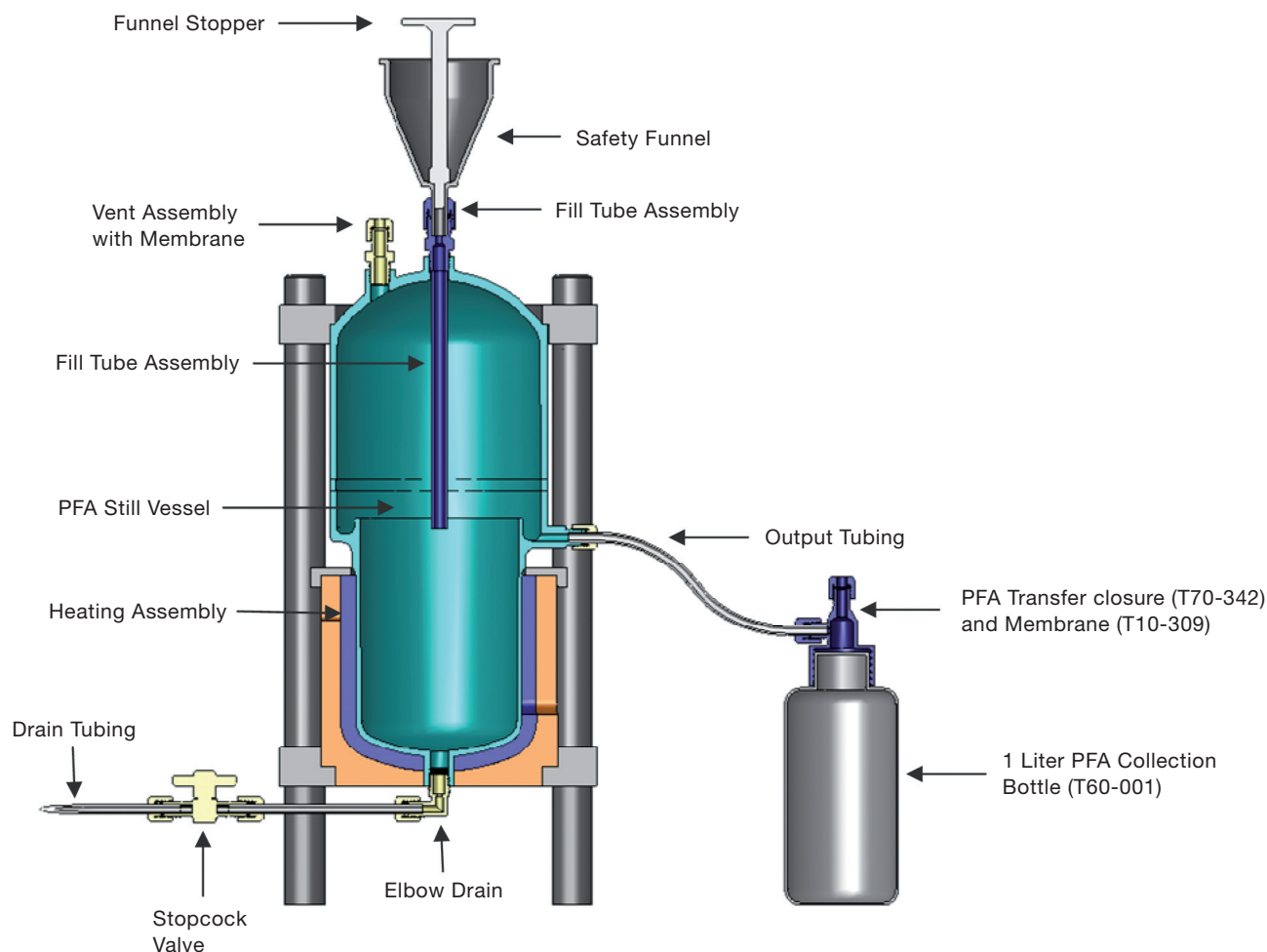
The heating mantle, which surrounds the evaporation chamber, gently heats the contents without the use of irradiators or other external heating devices, which can corrode in harsh acidic environments.

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 media contacted parts are 100% made of high purity PFA, you can be assured of the quality, reliability and performance of your subboiling distillation.



SPECIFICATIONS:

- :: Power Source:
230 VAC +/- 10% 50/60 Hz
115 VAC +/- 10% 50/60 Hz
- :: Power: 70 Watts
- :: Capacity: 1 Liter
- :: Weight: 4.6 kg
- :: Dimensions
L x W: 20 x 20 cm
Height: 43 cm
with funnel: 51 cm

DISTILLATION RATES

Liquid / Power	High	Medium	Low
Nitric acid	40 ml/hr	25 ml/hr	5 ml/hr
Hydrochloric acid	40 ml/hr	25 ml/hr	10 ml/hr
Hydrofluoric acid	40 ml/hr	25 ml/hr	10 ml/hr
Water	50 ml/hr	35 ml/hr	10 ml/hr

ORDERING INFORMATION

Part #	Description
T01-602	DST-100 Subboiling Distillation System, 230 Volt
T60-001	1 Liter PFA Bottle, 36 mm neck opening
T10-309	PTFE Membrane for Transfer Closure (0,2 µm, OD=9 mm, set of 10)
T70-342	36 mm PFA Transfer Closure (2 x 1/4" Connection)