

## BOTTLE-TOP DISPENSER

For ultra-trace analysis



### DESCRIPTION

- :: For free dispensing of ultra pure acids such as  $\text{HNO}_3$ ,  $\text{HCl}$ ,  $\text{HF}$ ,  $\text{H}_2\text{SO}_4$ ,  $\text{H}_2\text{O}_2$
- :: Only fluoropolymer is in contact with the acid
- :: Reproducibility: < 0,5 %
- :: Simple single-hand usage

### FEATURES

- :: Metal-free construction
- :: Corrosion resistant components for high concentrated acids (also HF)
- :: Reproducibility for base solutions

### APPLICATIONS

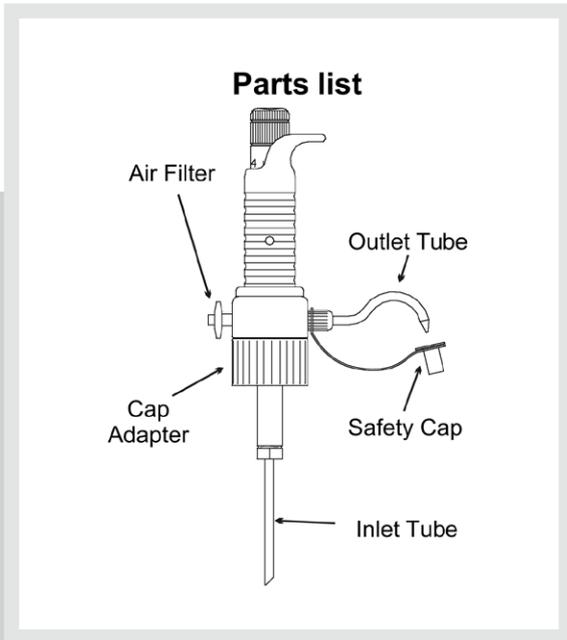
Dispensing small volumes of high purity acids from a bottle safely and reliably, without contamination or waste. Traditional bottle-top pump dispensers are more convenient, safer and cut down on wasted product. However some of the materials used in construction such as glass and ceramics will leach unacceptably high levels of some elements.

The SEASTAR™ Dispensers were developed to combine the convenience of a traditional pump dispenser with the chemical compatibility and high purity afforded by Teflon®.

### TWO MODELS ARE AVAILABLE

#### I. SEASTAR™ HF Bottle-Top Dispenser:

For applications which require the chemical resistance of Teflon®, such as ACS or Technical grade acids (including Hydrofluoric Acid). These dispensers are calibrated and mechanically tested to ensure each unit meets the required volume, precision and accuracy requirements.



## II. BASELINE® Bottle-Top Dispenser:

All wetted parts of the BASELINE® model have been extensively acid pre-cleaned. These pre-cleaned parts are assembled under class 100 or better clean room conditions. Once assembled, the dispenser is then calibrated and mechanically tested to ensure the unit meets the required volume, precision and accuracy requirements. Following calibration, the unit is then filled with SEASTAR™'s high purity Nitric Acid for further cleaning and mechanical testing. The unit is then thoroughly rinsed with SEASTAR™'s high purity water to remove all residual acid, and then packaged under class 100 or better clean room conditions. This process ensures that the unit performs optimally upon receipt.

In addition, we recommend to use Baseline® (pre-cleaned) PFA bottles.



## TECHNICAL INFORMATION

Feature	Description
Dosing:	0–5 mL in 0,5 mL increments
Accuracy:	+/- 0,02 mL (HNO <sub>3</sub> at 20° Celcius)
Precision:	+/- 3 % at 3 mL
Materials:	Body and plunger: Teflon® TFM Valves and valve seats: Teflon® PFA Handle and cap: HDPE Tubing and Fittings: Teflon® PFA

## ORDERING INFORMATION

Part#	Description
T08-800	BASELINE® Bottle-Top Dispenser (pre-cleaned)
T08-900	SEASTAR™ HF Bottle-Top Dispenser
T08-026	Holding device for Bottle-Top Dispenser
T01-611	PFA Bottle, 1000 mL
T01-612	PFA Bottle, 500 mL
T01-615	PFA Bottle, 250 mL
T08-110	BASELINE® PFA Bottle, 1000 mL (pre-cleaned)