

## BOECO SA-SERIES BOTTLE-TOP DISPENSER

designed to handle dispensing of liquid from wide range of bottle and flasks. The BOECO SA Series dispensers are intended for the safe and reproducible liquid distribution.

### Innovative

- ▶ Unique piston mechanism allows cleaning of the piston and cylinder without disturbing the calibration
- ▶ Spring-less valve design leads to smooth functioning and high chemical resistance

### Perfect Handling

- ▶ Discharge tube with 360° rotating makes the bottle label visible all the time
- ▶ Ease of volume setting with locking mechanism
- ▶ Telescoping filling tube compatible with different sizes of reagent bottles
- ▶ Comes with 4 additional adapters for common bottle sizes
- ▶ Easy dispensing and fast priming

### Key features

- ▶ Excellent chemical resistance
- ▶ Permanent fluid path visible
- ▶ Robustness with long lasting performance
- ▶ Hassle free maintenance and cleaning
- ▶ Easy to calibrate and adjust in order to comply with ISO 8655-5 standards
- ▶ Can be autoclaved for sterile application 121°C

### Safety

- ▶ Replaceable filling and discharge valve with safety ball
- ▶ The glass barrel is protected by a transparent plastic sleeve, which prevents the user from cuts and splashes if the glass breaks
- ▶ Drip-free discharge tube holder to restrict tubing movement

### Application

The BOECO SA dispenser supports a very wide range of applications for the dispensing of aggressive reagents - directly from the supply bottle: Such as concentrated bases and acids like H<sub>3</sub>PO<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub> (with certain exceptions such as HCl, HNO<sub>3</sub>, HF, etc.), saline solutions, and a variety of organic solvents.

Specially for use in trace analysis for dispensing high-purity and highly concentrated acids and salt solutions, acids, alkalies and many organic solvents as well as hydrogen peroxide, bromine.

### Material in contact with media

Borosilicate glass, Al<sub>2</sub>O<sub>3</sub>-ceramic PFA, FEP, PTFE, ETFE and PP (Bottle screw cap).

### Limits and operating exclusions

Temperature: +15 °C to +40 °C

Steam pressure: max. 500 mbar

Viscosity: max. 500 mm<sup>2</sup>/s

Density: max. 2.2 g/cm<sup>3</sup>

Liquids attacking ETFE, FEP, PFA and PTFE (e.g. dissolved sodium azide)

Liquids attacking borosilicate glass (e.g. hydrofluoric acid)

Hydrochloric acid > 20 % and nitric acid > 30 %

Tetrahydrofuran, Trifluoroacetic acid

Explosive liquids (e.g. carbon disulfide)

Suspensions (e.g. of charcoal) as solid particles may clog or damage the instrument.

Liquids attacking PP (Bottle screw cap)

**BOECO SA Series Bottle-Top Dispenser, complete with 4 adapters (PP), telescopic filling tube, spanner, instruction manual, quality certificate and calibration report, without reservoir bottle.**

Code	Volume	Thread at the dispenser	Adapters	Increment	Inaccuracy	Imprecision
BOE 9680002	0,25 - 2,5 ml	32	28//38/40/45	0,05 ml	± 0,6 %	± 0,2 %
BOE 9680005	0,50 - 5,0 ml	32	28//38/40/45	0,10 ml	± 0,5 %	± 0,1 %
BOE 9680010	1,0 - 10,0 ml	32	28//38/40/45	0,20 ml	± 0,5 %	± 0,1 %
BOE 9680025	2,5 - 25,0 ml	32	28//38/40/45	0,50 ml	± 0,5 %	± 0,1 %
BOE 9680050	5,0 - 50,0 ml	32	28//38/40/45	1,00 ml	± 0,5 %	± 0,1 %

