



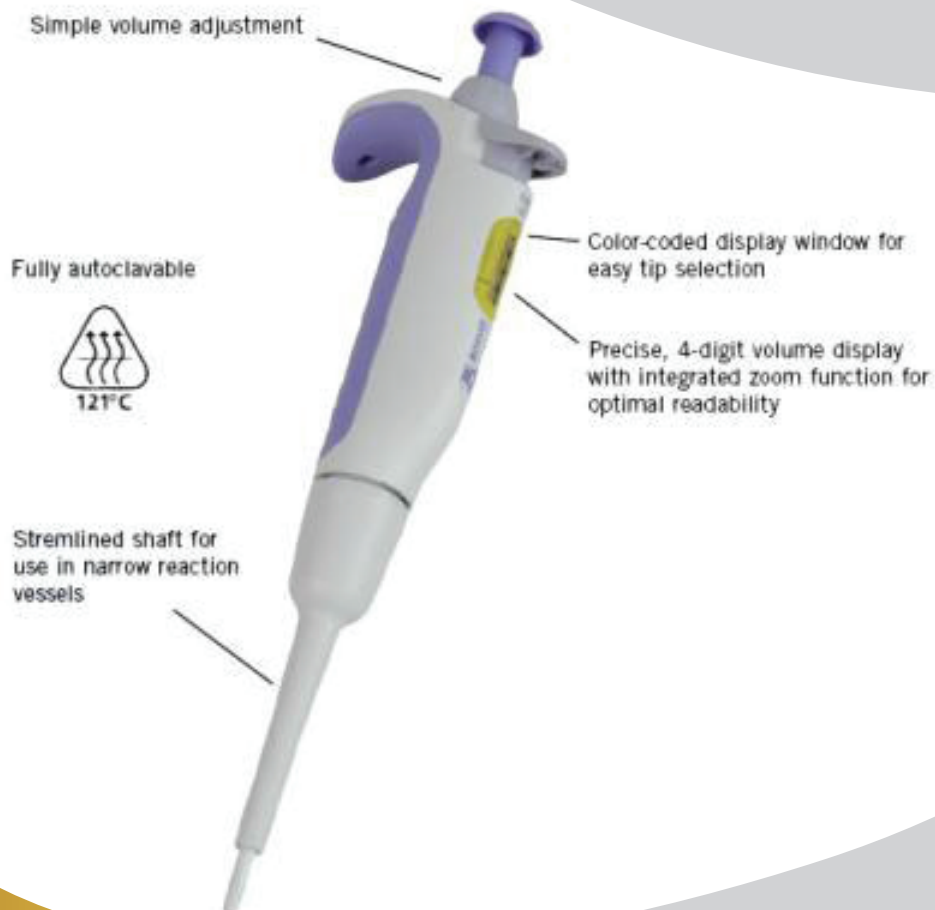
BOECO Pipettes, GP Series Premium, Adjustable Volume

WITH TIP EJECTOR, FULLY AUTOCLAVABLE

Our premium BOECO GP Series single- and multichannel airinterface adjustable Micropipettes include all features requested by the user:

Robustness, simple operation, complete autoclavability and ergonomic design as well as highest accuracy and easy calibration for long lasting reliability

- Completely autoclavable at 121°C (2 bar) as by DIN EN 285
- Ergonomic design
- Simple volume adjustment for left- and right-handers
- Integrated calibration function for easy calibration without the need for tools
- Good chemical & UV-light resistance
- Conformity certified to DIN 12600



Every package includes:

Every package includes:

BOECO GP Pipettor, manual, quality-certificate.

Manufactured in Germany in accordance with ISO 9001:2008 / ISO 14001:2009 quality and environmental standards.

All pipettors are tested acc. to DIN ISO 8655-2.

Cat. No Type	Channel	Volume	Increment	Test Volume	Inaccuracy	Imprecision	Tip
BOE 9910010	1-ch	0,5 - 10 µl	0,01 µl 5 µl 1 µl	10 µl	±1,00 % ±1,60 % ±7,00 %	±0,60 % ±1,00 % ±4,00 %	A,B,C
BOE 9910020	1-ch	2 - 20 µl	0,02 µl 10 µl 2 µl	20 µl	±0,80 % ±1,20 % ±5,00 %	±0,40 % ±0,70 % ±2,00 %	D,E,F
BOE 9910100	1-ch	10 - 100 µl	0,1 µl 50 µl 10 µl	100 µl	±0,60 % ±0,80 % ±3,00 %	±0,20 % ±0,40 % ±1,00 %	D,E,F
BOE 9910220	1-ch	20 - 200 µl	0,2 µl 100 µl 20 µl	200 µl	±0,60 % ±0,80 % ±3,00 %	±0,20 % ±0,30 % ±0,60 %	D,E,F
BOE 9911100	1-ch	100 - 1000 µl	1 µl 500 µl 100 µl	1000 µl	±0,60 % ±0,80 % ±3,00 %	±0,20 % ±0,30 % ±0,60 %	G,H,I
BOE 9911111	1-ch	1000 -10000 µl	10 µl 5000 µl 1000 µl	10000 µl	±0,60 % ±0,80 % ±3,00 %	±0,20 % ±0,30 % ±0,60 %	M



BOECO SA Series Bottle-top Dispenser

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 H₃PO₄, H₂SO₄ (with certain exceptions such as HCL, HNO₃, 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, Al₂O₃-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 mm²/s

Density: max. 2.2 g/cm³

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)

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7D HOLDINGS

Fashioned For Success & Excellence

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	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 %