

DISPENSER



BOECO BOTTLE-TOP DISPENSER

- ▶ Exact reproducibility of delivered quantities, due to rapid and precise volume adjustment by serrated setting device.
- ▶ Piston with pressure-dependent active sealing, will resist even aggressive media.
- ▶ Service friendly and easy to clean, because of a removable piston and suction valve.
- ▶ Can be calibrated by service personal with an analytical balance.
- ▶ Manufactured with high quality and durable materials.
The parts of the BOECO dispenser which come into contact with the liquid are:
 - Piston out of PTFE
 - TPX safety sheeted borosilicate glass cylinder
 - Platinum-Iridium Spring
 - Valve out of ETFE
 Any liquid which does not attack these materials can be dispensed.
- ▶ Manufactured under ISO 9001 norms.
- ▶ Dispensing with all known original reagent bottles owing to the offer of different adapters.
- ▶ Completely autoclavable at 121°C

BOECO Bottle-Top Dispenser, complete with 3 adapters, intake tube FEP, Discharge-tube (with safety thread) FEP, closure cap, without reservoir bottle.

Code	Volume	Thread at the dispenser	Adapters	Increment	Inaccuracy	Imprecision
BOE 9700525	0,5 - 2,5 ml	32	28/40/45	0,05 ml	± 0,6 %	0,1 %
BOE 9701050	1,0 - 5,0 ml	32	28/40/45	0,10 ml	± 0,5 %	0,1 %
BOE 9702100	2,0 - 10,0 ml	32	28/40/45	0,20 ml	± 0,5 %	0,1 %
BOE 9705250	5,0 - 25,0 ml	45	40/38/32	0,50 ml	± 0,5 %	0,1 %
BOE 9710500	10,0 - 50,0 ml	45	40/38/32	1,00 ml	± 0,5 %	0,1 %
BOE 9725100	20,0 - 100,0 ml	45	40/38/32	2,00 ml	± 0,5 %	0,1 %

ACCESSORIES AND SPARE PARTS

Intake and Discharge tube

Code	Description
BOE 1650020	Intake tube 220 mm, FEP, for volume 2.5, 5 and 10 ml
BOE 1650030	Intake tube 250 mm, FEP, for volume 25, 50 and 100 ml
BOE 1671085	Telescopic intake tube 250 till 350 mm, FEP, all ranges
BOE 1650400	Discharge tube, FEP, for volume 2.5, 5 and 10 ml
BOE 1650401	Discharge tube, FEP, for volume 25, 50 and 100 ml
BOE 1650090	Flexible discharge tube, PTFE, 80 cm, for volume 2.5, 5, 10 ml
BOE 1650095	Flexible discharge tube, PTFE, 80 cm, for volume 25,50,100 ml

Adapters

Code	Bottle neck / Dispenser
BOE 1670150	25/32
BOE 1670155	28/32
BOE 1670165	38/32
BOE 1670170	40/32
BOE 1670175	45/32
BOE 1670085	32/38
BOE 1670110	38/45
BOE 1670120	40/45

Dispenser-thread bottles, with screw cap, amber glass, with synthetic coating

Code	Volume	Outer diam. (mm)
BOE 9772010	100 ml	28
BOE 9772020	250 ml	32
BOE 9772030	500 ml	32
BOE 9772040	1000 ml	45
BOE 9772050	2500 ml	45



ACCESSORIES AND SPARE PARTS

BOTTLE TOP BURETTE

BOECO DIGITAL CONTINUOUS BOTTLE-TOP BURETTES

- ▶ The digital BOECO Continuous Bottle-top Burette makes manual titration safer, easier, with more reliable results.
- ▶ The DCB burettes can be used for titration agents up to a concentration of 2 Mol/l. During the titration process, the burette fills automatically, eliminating time-consuming refills.
- ▶ Continuous pulse-free operation for faster titrations up to 5 ml per second.
- ▶ Titrant delivery is controlled by turning the wheels, and the amount dispensed is immediately shown on the display - from 10 µl to 999,9 ml, with a velocity of 2,5 ml/turn using model DCB 2500 or 5,0 ml/turn with model DCB 5000.
- ▶ The DCB models eliminate the errors of reading the meniscus and volume graduations of conventional hanging glass burettes.
- ▶ There is no exposed glassware to break and direct connection to the reagent bottle avoids pouring dangerous chemicals.
- ▶ Safety recirculating valve allows for recirculation within the closed system to avoid reagent waste.
- ▶ Angled digital display for easier reading from different heights by different users.
- ▶ Unique telescopic intake tube with length from 210 till 310 mm can be re-adjusted without cutting for different bottle sizes.
- ▶ Dosing spectrum from 10 µl to 999,9 ml.
- ▶ Battery-operated, easily replaceable micro-batteries 1,5 V (LR 03/AAA). One charge lasts a minimum of 500 hours (dispensing 4500 l of reagent).
- ▶ Burette can be rotated 360° on the bottle.
- ▶ Titrating tube removable and adjustable: horizontal 142-220 mm, vertical 10-200 mm.
- ▶ Service friendly modular assembly.
- ▶ Electronic can be completely removed.
- ▶ Low battery indicator.
- ▶ User-serviceable and calibratable to meet ISO and GLP requirements.
- ▶ Optional drying tube protects reagents from moisture or CO₂.
- ▶ Manufactured under ISO 9001 norms.
- ▶ Adapters are available to fit most bottle neck sizes.



BOECO Digital Continuous Bottle-Top Burettes, complete with 3 PP adapters 45/38, 38/32, 40/45 (45 thread at the burette), 1 telescopic intake tube (FEP), 1 telescopic titration tube, 2 micro-batteries 1,5 V (LR 03/AAA), without reservoir bottle.

Code	Model	Accuracy	Coefficient of variation
BOE 9882500	DCB 2500 (2.5 ml/turn)	± 0,2 %	0,1 %
BOE 9885000	DCB 5000 (5,0 ml/turn)	± 0,2 %	0,1 %

Accessories

Code	Description
BOE 1671095	Drying Tube
BOE 9772050	Amber Glass bottle, 2500 ml
BOE 1671085	Telescopic Intake Tube, 200-350 mm