

LIQUID HANDLING



MICROPIPETTES



BOECO FIXED VOLUME PIPETTE,
WITH TIP EJECTOR

BOECO FIXED VOLUME PIPETTE, WITH TIP EJECTOR

Cat.No.	Volume	Inaccuracy	Imprecision
BOE 9220005	5 µl*	< 3,0 %	< 1,5 %
BOE 9220010	10 µl*	< 1,4 %	< 0,8 %
BOE 9220020	20 µl	< 1,0 %	< 0,5 %
BOE 9220025	25 µl	< 1,0 %	< 0,5 %
BOE 9220050	50 µl	< 0,9 %	< 0,3 %
BOE 9220100	100 µl	< 0,8 %	< 0,3 %
BOE 9220200	200 µl	< 0,6 %	< 0,2 %
BOE 9220250	250 µl	< 0,6 %	< 0,2 %
BOE 9220500	500 µl	< 0,6 %	< 0,2 %
BOE 9221000	1000 µl	< 0,6 %	< 0,2 %
BOE 9222000	2000 µl	< 0,6 %	< 0,2 %
BOE 9225000	5000 µl	< 0,6 %	< 0,2 %

BOECO ADJUSTABLE VOLUME PIPETTE, WITH TIP EJECTOR

Clear Digital Display. The selected volume is shown on a clear digital display window on the hand grip.
Volume adjustment is easily achieved by turning the thumb activated plunger mechanism.



BOECO ADJUSTABLE
VOLUME PIPETTE,
WITH TIP EJECTOR

Cat.No	Volume	Increment Test	Volume	Inaccuracy	Imprecision
BOE 9210002	0,1 - 2,5 µl	0,05 µl	2,5 µl	2,50%	2,00%
			1,25 µl	3,00%	3,00%
			0,25 µl	12,00%	6,00%
BOE 9210010*	0,5 - 10 µl	0,1 µl	10 µl	1,00%	0,80%
			5 µl	1,50%	1,50%
			1 µl	2,50%	1,50%
BOE 9210020	2 - 20 µl	0,5 µl	20 µl	0,90%	0,40%
			10 µl	1,20%	1,00%
			2 µl	3,00%	2,00%
BOE 9210050	5 - 50 µl	0,5 µl	50 µl	0,60%	0,30%
			25 µl	0,90%	0,60%
			5 µl	2,00%	2,00%
BOE 9210100	10 - 100 µl	1 µl	100 µl	0,80%	0,15%
			50 µl	1,00%	0,40%
			10 µl	3,00%	1,50%
BOE 9210220	20 - 200 µl	1 µl	200 µl	0,60%	0,15%
			100 µl	0,80%	0,30%
			20 µl	3,00%	1,00%
BOE 9211100	100 - 1000 µl	5 µl	1000 µl	0,60%	0,20%
			500 µl	0,70%	0,25%
			100 µl	2,00%	0,70%
BOE 9215000	1 - 5 ml	50 µl	5 ml	0,50%	0,15%
			2,5 ml	0,60%	0,30%
			1 ml	0,70%	0,30%

*for use with 10µl and 300µl tips

BOECO MULTICHANNEL PIPETTES, WITH TIP EJECTOR

The multichannel models feature new tip construction providing easy single handed tip sealing and ejecting.



BOECO MULTICHANNEL PIPETTES, WITH TIP EJECTOR, 8 CHANNELS

Cat.No	Channels	Volume range	Increment	Testvolume	Inaccuracy	Imprecision
BOE 9304050	4-ch	5 - 50 µl	0,5 µl	50 µl	1,00%	0,50%
				25 µl	1,50%	1,00%
				5 µl	3,00%	2,00%
BOE 9304250	4-ch	50 -250 µl	5 µl	250 µl	0,70%	0,25%
				125 µl	1,00%	0,50%
				50 µl	1,50%	0,80%
BOE 9308011*	8-ch	0,5 - 10 µl	0,1 µl	10 µl	1,50%	1,50%
				5 µl	2,50%	2,50%
				1 µl	4,00%	4,00%
BOE 9308050	8-ch	5 - 50 µl	0,5 µl	50 µl	1,00%	0,50%
				25 µl	1,50%	1,00%
				5 µl	3,00%	2,00%
BOE 9308300	8-ch	50 -300 µl	5 µl	300 µl	0,70%	0,25%
				125 µl	1,00%	0,50%
				50 µl	1,50%	0,80%
BOE 9312011*	12-ch	0,5 - 10 µl	0,1 µl	10 µl	1,50%	1,50%
				5 µl	2,50%	2,50%
				1 µl	4,00%	4,00%
BOE 9312050	12-ch	5 - 50 µl	0,5 µl	50 µl	1,00%	0,50%
				25 µl	1,50%	1,00%
				5 µl	3,00%	2,00%
BOE 9312300	12-ch	50 -300 µl	5 µl	300 µl	0,70%	0,25%
				125 µl	1,00%	0,50%
				50 µl	1,50%	0,80%

* for use with 10µl tips

ROTARY CAROUSEL STANDS

Cat. No.	Description
BOE 9000006	Rotary Carousel stand for 6 autoclavable Micropipettes
BOE 9000005	Rotary Carousel stand for 5 Standard pipettes

LINEAR STANDS FOR MICROPIPETTES

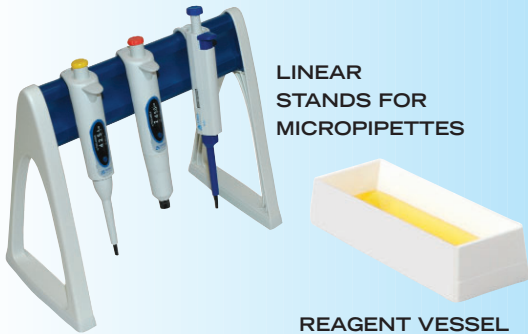
Cat. No.	Description
BOE 9000007	Linear stand for all BOECO Micropipettes The Linear Stand is also compatible with a wide range of other manufacturers' pipettors.

REAGENT VESSEL

Cat. No.	Description
BOE 783500	The autoclavable and durable reagent vessel is made from polypropylene and is chemically resistant to all common reagents. Capacity 120 ml, Pack of 16 units



ROTARY CAROUSEL STANDS



REAGENT VESSEL

BOECO FULLY AUTOCLAVABLE PIPETTES, WITH ADJUSTABLE VOLUME

Code	Volume	Increment	Testvolume	Inaccuracy	Imprecision	Tips	Filtertips
BOE 9410003	0,1 - 3 µl	0,002 µl	3 µl	1,30%	0,80%	10 µl	10 µl
			1,5 µl	2,40%	1,60%		
			0,3 µl	10,00%	6,00%		
BOE 9410010	0,5 - 10 µl	0,01 µl	10 µl	1,00%	0,60%	10 µl	10 µl
			5 µl	1,50%	1,00%		
			1 µl	2,50%	1,50%		
			0,5 µl	5,00%	4,00%		
BOE 9410020	2 - 20 µl	0,02 µl	20 µl	0,90%	0,40%	200/300 µl	100 µl
			10 µl	1,20%	1,00%		
			2 µl	3,00%	2,00%		
BOE 9410100	10 - 100 µl	0,1 µl	100 µl	0,80%	0,15%	200/300 µl	100 µl
			50 µl	1,00%	0,40%		
			10 µl	2,00%	1,00%		
BOE 9410220	20 - 200 µl	0,2 µl	200 µl	0,60%	0,15%	200/300 µl	200 µl
			100 µl	0,80%	0,30%		
			20 µl	2,00%	0,80%		
BOE 9411100	100 - 1000 µl	1 µl	1000 µl	0,60%	0,20%	1000 µl	1000 µl
			500 µl	0,70%	0,25%		
			100 µl	1,50%	0,70%		
BOE 9415000	500 - 5000 µl	10 µl	5000 µl	0,50%	0,15%	5000 µl	N/A
			2500 µl	0,60%	0,30%		
			500 µl	1,50%	0,60%		
BOE 9411111	1 - 10 ml	available in approx Q1 2007 see www.boeco.com for details				10 ml	N/A



BOECO FULLY AUTOCLAVABLE PIPETTES,
WITH ADJUSTABLE VOLUME

- ▶ Fully autoclavable (20 min. at 121° C)
- ▶ Effortless pipetting action because of new plunger action
- ▶ Effortless tip eject action
- ▶ High precision stepless volume adjustment
- ▶ Thermal insulation of internal components
- ▶ Thumb activated tip cone filter ejection
- ▶ New volume locking mechanism
- ▶ Built-in replaceable Tip Cone Filters, help to prevent pipettor contamination and damage

BOECO FULLY AUTOCLAVABLE MULTICHANNEL PIPETTES,
WITH ADJUSTABLE VOLUME

Code	Volume	Increment	Testvolume	Inaccuracy	Imprecision	Tips
BOE 9408010	8-ch · 0,5 - 10 µl	0,01 µl	10 µl	1,50%	1,00%	10 µl
			5 µl	2,50%	2,50%	
			1 µl	4,00%	4,00%	
BOE 9408100	8-ch · 5 - 100 µl	0,10 µl	10 µl	0,70%	0,25%	200/300 µl
			5 µl	1,00%	0,70%	
			1 µl	3,00%	1,50%	
BOE 9408300	8-ch · 30 - 300 µl	0,20 µl	200 µl	0,60%	0,25%	300 µl
			100 µl	1,00%	0,50%	
			30 µl	2,00%	1,00%	
BOE 9412010	12-ch · 0,5 - 10 µl	0,01 µl	10 µl	1,50%	1,00%	10 µl
			5 µl	2,50%	2,50%	
			1 µl	4,00%	4,00%	
BOE 9412100	12-ch · 5 - 100 µl	0,10 µl	10 µl	0,70%	0,25%	200/300 µl
			5 µl	1,00%	0,70%	
			1 µl	3,00%	1,50%	
BOE 9412300	12-ch · 30 - 300 µl	0,20 µl	200 µl	0,60%	0,25%	300 µl
			100 µl	1,00%	0,50%	
			30 µl	2,00%	1,00%	



BOECO FULLY AUTOCLAVABLE MULTICHANNEL
PIPETTE, WITH ADJUSTABLE VOLUME

BOECO ELECTRONIC PIPETTORS

are multifunctional liquid handling instruments offering a selection of four operation programs: Pipetting, Multiple dispensing, Dilution and Reverse pipetting.

All pipettes have a wide operational volume range and are easily programmed with variable pipetting speeds and small incremental volumes. The programmable pipetting speed provides optimal pipetting conditions for various viscosities. As a diluter they perform up to a dilution ratio of 1:25 and as a dispenser up to 25 strokes with one single filling.

The Electronic Pipettor uses a DC motor for fast piston movements monitored by a real time optical feedback system. This, together with micro-processor control, ensures reliable pipetting operations and eliminates the need of recalibration. Electronic operation combined with light weight and ergonomically designed operation button and tip ejector minimize the stress and fatigue on both thumb and wrist.

As a stand for placement of the pipettor between dispensing routines, a single stand and a multiple stand are available. The stands also act as a recharging station ensuring the NiCd-batteries are maintained at an optimal performance level. Over 1.000 pipettings are easily achieved in a working day.

BOECO
ELECTRONIC
PIPETTOR



Cat.No	Channels	Volume range	Increment	Testvolume	Inaccuracy	Imprecision
BOE 920010	1-ch	0,2 - 10 µl	0,1 µl	10 µl	0,90%	0,50%
				5 µl	1,00%	0,70%
				1 µl	2,50%	1,50%
				0,2 µl	6,00%	6,00%
BOE 920100	1-ch	5 - 100 µl	1 µl	100 µl	0,40%	0,15%
				50 µl	0,70%	0,30%
				10 µl	2,00%	1,00%
				5 µl	2,50%	1,80%
BOE 920250	1-ch	10 - 250 µl	5 µl	250 µl	0,40%	0,15%
				125 µl	0,70%	0,20%
				25 µl	1,50%	0,80%
				10 µl	2,00%	1,00%
BOE 920500	1-ch	10 - 500 µl	5 µl	500 µl	0,40%	0,15%
				250 µl	0,70%	0,20%
				50 µl	1,50%	0,80%
				10 µl	6,00%	1,50%
BOE 921000	1-ch	50 - 1000 µl	10 µl	1000 µl	0,40%	0,15%
				500 µl	0,60%	0,20%
				100 µl	1,50%	0,50%
				50 µl	2,00%	1,00%
BOE 925000	1-ch	100 - 5000 µl	50 µl	5000 µl	0,50%	0,15%
				2500 µl	0,80%	0,20%
				500 µl	0,80%	0,30%
BOE 928100	8-ch	5 - 100 µl	1 µl	100 µl	0,50%	0,20%
				50 µl	0,70%	0,30%
				10 µl	1,50%	1,50%
				5 µl	4,00%	2,50%
BOE 928250	8-ch	25 -250 µl	5 µl	250 µl	0,40%	0,15%
				125 µl	0,60%	0,20%
				25 µl	1,50%	1,00%
BOE 928120	8-ch	50 -1200 µl	10 µl	1200 µl	0,50%	0,15%
				600 µl	1,00%	0,20%
				100 µl	4,00%	0,80%
				50 µl	8,00%	1,50%
BOE 922100	12-ch	5 - 100 µl	1 µl	100 µl	0,50%	0,20%
				50 µl	0,80%	0,40%
				10 µl	1,50%	1,50%
				5 µl	4,00%	2,50%
BOE 922250	12-ch	25 -250 µl	5 µl	250 µl	0,40%	0,15%
				125 µl	0,60%	0,20%
				25 µl	1,50%	1,00%

* for use with 10µl tips

All BOECO Electronic Pipettors require to be charged using one of the charging stands:

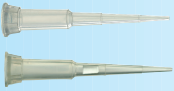
Charging Stand for 1 Pipettor

BOE 920000	220V, Euro plug
BOE 920001	110V, U.S. plug
BOE 920002	240V, U.K. plug

Charging Stand for 4 Pipettors

BOE 920040	220V, Euro plug
BOE 920041	110V, U.S. plug
BOE 920042	240V, U.K. plug

PIPETTE TIPS

	Cat.No.	Max. Vol.	Produkt	Packaging
	BOE 1-000-81-0	0,1 - 10 µl	Top Line Natural Tip	bag /1000 pcs. / carton 20.000 pcs.
	BOE 1-000-96-0	0,1 - 10 µl	Top Line Natural Tip	96-tip Rackbox / pack 10 racks
	BOE 1-001-96-0	0,1 - 10 µl	Top Line Natural Tip, sterile	96-tip Rackbox / pack 10 racks
	BOE 2-001-96-0	0,1 - 10 µl	Top Line Filter Tip, sterile	96-tip Rackbox / pack 10 racks
	BOE 1-050-81-0	0,5 - 20 µl	Top Line Natural Tip, long typ	bag /1000 pcs. / carton 20.000 pcs.
	BOE 1-050-96-0	0,5 - 20 µl	Top Line Natural Tip, long typ	96-tip Rackbox / pack 10 racks
	BOE 1-051-96-0	0,5 - 20 µl	Top Line Natural Tip, long typ sterile	96-tip Rackbox / pack 10 racks
	BOE 03.013.0103	200 µl	Yellow Standard Tip	bag /1000 pcs. / carton 25.000 pcs.
	BOE 1-110-81-1	200 µl	Top Line Yellow Tip, bevelled, graduated	bag /1000 pcs. / carton 20.000 pcs.
	BOE 1-110-96-1	200 µl	Top Line Natural Tip, bevelled graduated, nonsterile	96-tip Rackbox / pack 10 racks
	BOE 1-110-96-0	200 µl	Top Line Natural Tip, bevelled graduated, sterile	96-tip Rackbox / pack 10 racks
	BOE 2-114-96-0	20 µl	Top Line Filter Tip, natural, sterile	96-tip Rackbox / pack 10 racks
	BOE 2-116-96-0	30 µl	Top Line Filter Tip, natural, sterile	96-tip Rackbox / pack 10 racks
	BOE 2-111-96-0	50 µl	Top Line Filter Tip, natural, sterile	96-tip Rackbox / pack 10 racks
	BOE 2-112-96-0	100 µl	Top Line Filter Tip, natural, sterile	96-tip Rackbox / pack 10 racks
	BOE 2-113-96-0	200 µl	Top Line Filter Tip, natural, sterile	96-tip Rackbox / pack 10 racks
	BOE 2-115-96-0	230 µl	Top Line Filter Tip, natural, sterile	96-tip Rackbox / pack 10 racks
	BOE 980300	300 µl	Natural Tip	box /1000 pcs. / carton 16.000 pcs.
	BOE 03.023.0101	1000 µl	Blue Standard Tip	bag /1000 pcs. / carton 10.000 pcs.
	BOE 1-209-06-2	1000 µl,	Top Line Tip, blue,	60-tip Rackbox / pack 10 racks
	BOE 1-207-06-2	1000 µl,	Top Line Tip, blue, sterile	60-tip Rackbox / pack 10 racks
	BOE 2-209-06-0	1000 µl,	Filter Tip, natural, sterile	60-tip Rackbox / pack 10 racks
	BOE 1-200-80-2	1000 µl	Top Line Tip, blue, bevelled, graduated	bag /1000 pcs. / carton 10.000 pcs.
	BOE 1-200-96-2	1000 µl	Top Line Tip, blue, bevelled graduated	96-tip Rackbox / pack 10 racks
	BOE 1-201-96-2	1000 µl	Top Line Tip, blue, bevelled graduated, sterile	96-tip Rackbox / pack 10 racks
	BOE 2-201-96-0	1000 µl	Top Line Filter Tip, sterile	96-tip Rackbox / pack 10 racks
	BOE 980043	1200 µl	Natural Tip	box / 1000 pcs.
	BOE 985000	5000 µl	Natural Tip	carton / 1000 pcs.

BOECO Top Line Tips are certified to be free of any detectable human DNA, DNase, RNase and PCR-inhibitors.



PIPETTE AIDS

BOECO PIPETTE FILLER BALLS

natural rubber, red, with 3 valves

Cat. No.	Description
BOE 100	Model STANDARD, short cone for pipettes up to 25 ml
BOE 101	Model UNIVERSAL, long cone for all pipettes



BOECO PIPETTE
FILLER BALLS

BOECO PIPETTE PUMPS, PP

can be operated with one hand. Glass and plastic pipettes fit easily. Precise filling or emptying is done by rotating their actuator-wheels forward or backward. For rapid emptying simply depress plunger.

Cat. No.	Description
BOE 120	0 - 2 ml, blue
BOE 121	0 - 10 ml, green
BOE 122	0 - 25 ml, red



BOECO PIPETTE
PUMPS, PP

BOECO MACRO PIPETTE CONTROLLER

offers safer, more convenient filling and dispensing, with glass and plastic pipettes. With one sensitive lever filling and delivery are easily controlled. Pipetting with ease and comfort.

- ▶ Easy and tireless handling for left and right-handed people
- ▶ An especially designed intake cone allows the use of pipettes from 0.1 ml to 100 ml
- ▶ The perfectly harmonized valve unit ensures effortless liquid intake
- ▶ Precise and high sensitive set of the meniscus
- ▶ A replaceable hydrophobic membrane filter protects the interior from penetrating liquids
- ▶ Completely autoclavable

Cat. No.	Description
BOE 160	BOECO Macro Pipette controller, complete
BOE 150-1	Membrane filter, 3 µm, sterile, hydrophobic, PTFE, pack of 10
BOE 160-2	Suction bellows
BOE 160-3	Silicone adapter
BOE 160-4	Valve unit



BOECO MACRO
PIPETTE CONTROLLER

BOECO ELECTRONIC MACRO PIPET. AID

is a cordless rechargeable pipetting aid which can be used with all plastic or glass pipettes between 1-100 ml, pasteur pipettes and optional also with 5 ml and 10 ml Pipettor tips. The linear speed control allows the aspiration and dispensing to be adjusted easily and precisely to suit either large or small volume pipettes. The speed can also be fine-tuned by applying varying finger pressure to the operation buttons.

- ▶ The attached stand on the unit supports unit/pipettes when not in use.
- ▶ The unit is equipped with a low battery indicator

Cat. No.	Description
BOE 9500000	BOECO Electronic Macro Pipetting Aid, complete with AC-adapter 220V, and 0,45µm hydrophobic filters
BOE 9500001	Idem with AC-adapter 110V, U.S. Plug

Accessories

BOE 712912	Replacement filter, nonsterile (5 pcs.)
BOE 711015	Nose cone and silicon adapter, 5 ml
BOE 711016	Nose cone and silicon adapter, 10 ml
BOE 985000	5 ml Pipette tip (carton of 1000 pcs.)
BOE 980320	10 ml Pipette tip (100 pcs. box)



BOECO ELECTRONIC
MACRO PIPETTING AID

SERIES PIPETTOR



BOECO SERIES
PIPETTOR

BOECO SERIES PIPETTOR

The BOECO handheld Series Pipettor is an extremely easy-to-handle piston pipette which allows rapid repeat dispensing of pre-set volumes up to 48 times in succession without refilling.

- ▶ Easy single handed operation
- ▶ Easy-to-handle adjusting wheel to determine the volume and the number of pipetting steps.
- ▶ Covers volume range from 1 µl to 5 ml
- ▶ Permits up to 48 dispensing steps
- ▶ light weight and robust construction (approx 100g)
- ▶ Maintenance free design
- ▶ A special mechanism provides exact pipetting actions with all required volumes until the build-in safety margin is reached, which guarantees a precise final result. Thus it is impossible to dose a lower volume than set at the adjusting wheel. At the same time, the remaining amount retained in the Multitips is reduced to a minimum.

Cat. No	Description
BOE 9580275	BOECO Series Pipettor incl. 1 adapter for 25 ml and 50 ml tips

dosing volume						Imprecision in %	Inaccu- racy in %
adjustment on Series Pipettor	1	2	3	4	5		
number of steps	48	23	15	11	8		
0.05 ml	1 µl	2 µl	3 µl	4 µl	5 µl	< 5	< ± 2,5
0.50 ml	10 µl	20 µl	30 µl	40 µl	50 µl	< 0,7	< ± 0,8
1.25 ml	25 µl	50 µl	75 µl	100 µl	125 µl	< 0,5	< ± 0,8
2.50 ml	50 µl	100 µl	150 µl	200 µl	250 µl	< 0,4	< ± 0,8
5.00 ml	100 µl	200 µl	300 µl	400 µl	500 µl	< 0,3	< ± 0,4
12.50 ml	250 µl	500 µl	750 µl	1000 µl	1250 µl	< 0,3	< ± 0,3
25.00 ml	500 µl	1000 µl	1500 µl	2000 µl	2500 µl	< 0,3	< ± 0,2
50.00 ml	1000 µl	2000 µl	3000 µl	4000 µl	5000 µl	< 0,2	< ± 0,2

		Cat. No.	Cat. No	Packing unit	
multitips		standard	sterile	standard	sterile
multitips	0,05 ml	BOE 980 222	-	100 pcs	100 pcs
multitips	0,50 ml	BOE 980 223	BOE 980 252	100 pcs	100 pcs
multitips	1,25 ml	BOE 980 224	BOE 980 253	100 pcs	100 pcs
multitips	2,50 ml	BOE 980 225	BOE 980 254	100 pcs	100 pcs
multitips	5,00 ml	BOE 980 226	BOE 980 255	100 pcs	100 pcs
multitips	12,50 ml	BOE 980 227	BOE 980 256	100 pcs	100 pcs
multitips	25,00 ml	BOE 980 228	BOE 980 257	25 pcs	25 pcs
multitips	50,00 ml	BOE 980 229	BOE 980 258	25 pcs	25 pcs
multitips adapter		BOE 980 234	-	1 pcs	-



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 ETFEAny 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	0,1-2,5 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 2,5,10 ml
BOE 1650030	Intake tube 250 mm, FEP, for volume 25, 50,100 ml
BOE 1671085	Telescopic intake tube 250 till 350 mm, FEP, all ranges
BOE 1650400	Discharge tube, FEP, for volume 2,5,10 ml
BOE 1650401	Discharge tube, FEP, for volume 25,50,100 ml
BOE 1650090	Flexible discharge tube, PTFE, 80 cm, for volume 2,5,10 ml
BOE 1650095	Flexible discharge tube, PTFE, 80 cm, for volume 25, 50,100 ml

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

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



BOTTLE TOP BURETTE

BOECO DIGITAL CONTINUOUS BOTTLE-TOP BURETTES



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- ▶ 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 readjusted without cutting for different bottle sizes.
- ▶ Dosing spectrum from 10 µl to 999,99 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. Without the electronic parts the burette is autoclavable
- ▶ 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 %

Assesories

Code	Description
BOE 1650135	Discharge Tube complete
BOE 1671095	Drying tube
BOE 9772050	Amber Glass bottle, 2500 ml
BOE 1671085	Telescopic Intake Tube, 200-350 mm