

The New Generation!

Dispensette® S

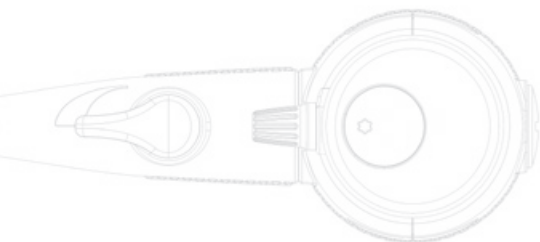
Bottle-top Dispenser

F I R S T C L A S S · B R A N D

Innovative ideas with trusted technology – the new bottle-top dispenser Dispensette® S.

- **New discharge tube**
with or without recirculation valve
- **New valve system**
no sealing rings necessary
- **Faster priming**
due to improved flow technology
- **Less force needed during dispensing**
especially for instruments with large volumes
- **Volume selection with interior scalloped track**
for analog devices, enhances setting reproducibility
- **New 1 ml size**
digital and analog





A Closer Look...

The bottle-top dispenser Dispensette® S has all the features that make dispensing safer and convenient.

Innovative ideas – trusted technology.

Easy Calibration Technique

Calibration and adjustments according to ISO 9001 and GLP are done within seconds.

NEW!

Discharge valve with safety ball

closes when discharge tube is not mounted

NEW!

Discharge tube

without recirculation valve

NEW!

Large

viewport

NEW!

Hinged screw cap

doesn't get in the way when dispensing

Calibration mechanism

Dispensette® S Organic Digital

Dispensette® S Analog-adjustable

NEW!

Volume selection

using interior scalloped track

NEW!

Discharge tube

with recirculation valve

360° rotating

valve block

with GL 45 thread

NEW!

Filling valve olive-shaped

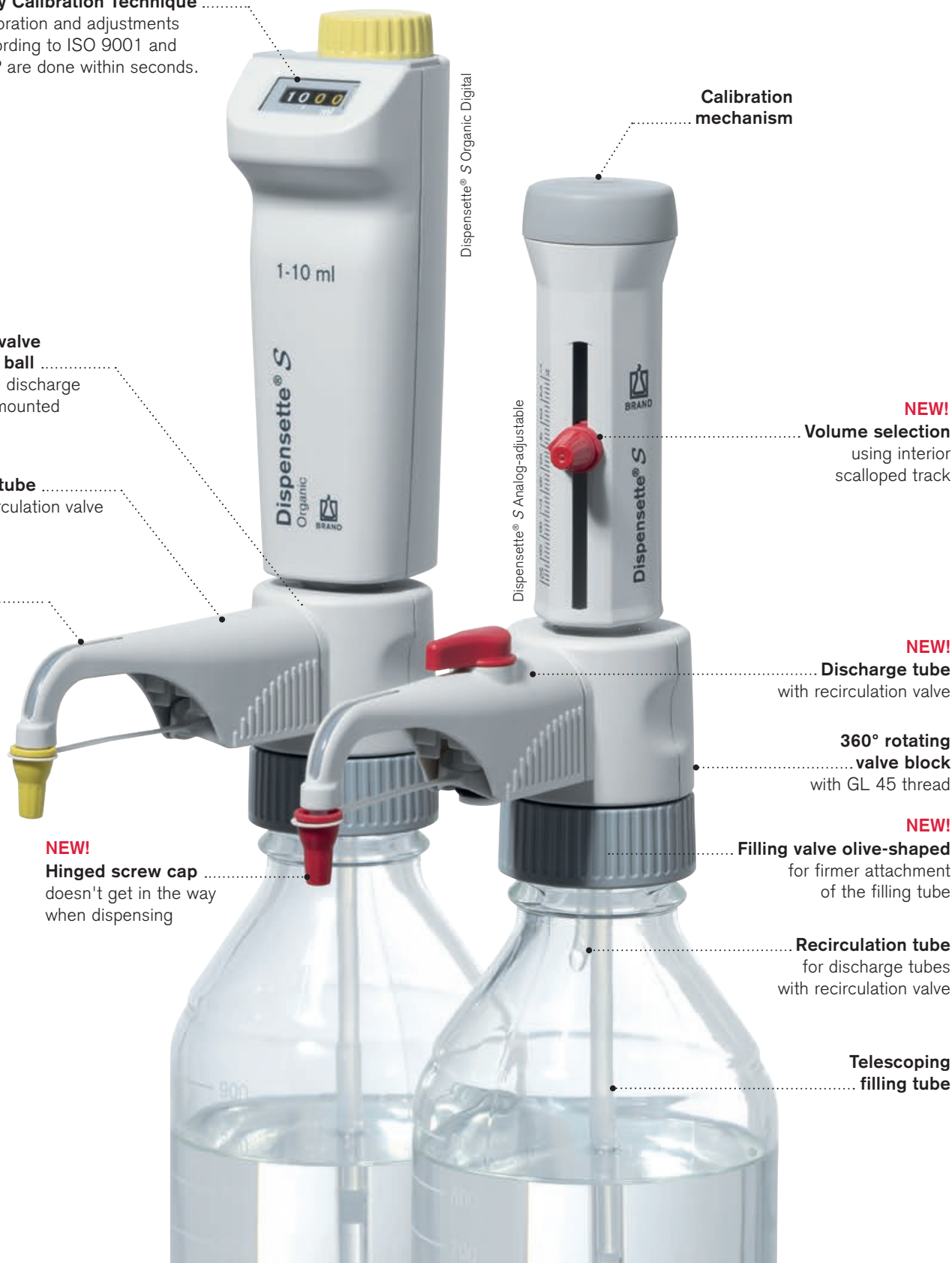
for firmer attachment of the filling tube

Recirculation tube

for discharge tubes with recirculation valve

Telescoping

filling tube





The right choice

for a wide variety of applications



● Dispensette® S

Dispensette® S 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_3PO_4 , H_2SO_4 (with certain exceptions such as HCl , HNO_3 , HF , etc.), saline solutions, and a variety of organic solvents.

● Dispensette® S Organic

Dispensette® S Organic is ideal for dispensing organic solvents: such as chlorinated and fluorinated hydrocarbons like trichlorofluoroethane and dichloromethane, or acids like concentrated HCl and HNO_3 (except for HF), as well as for trifluoroacetic acid (TFA), tetrahydrofuran (THF), and peroxides.



For dispensing hydrofluoric acid (HF), we recommend the use of the **Dispensette® S Trace Analysis** bottle-top dispenser with platinum-iridium valve spring!

Please find further product information at www.brand.de

Materials in contact with media

- Borosilicate glass, Al_2O_3 -ceramic, platinum-iridium, ETFE, FEP, PFA, PTFE and PP

- Borosilicate glass, Al_2O_3 -ceramic, tantalum, ETFE, FEP, PFA, PTFE and PP

Operating limits

- Vapor pressure max. 600 mbar
viscosity max. 500 mm^2/s
temperature max. 40 °C
density max. 2.2 g/cm^3

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viscosity max. 500 mm^2/s
temperature max. 40 °C
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Easy Handling

Easier dispensing and faster priming

In the "floating piston" design, the pistons and cylinders are fitted individually in such a way that the gap between them is just a few micrometers wide. This gap is filled by the fluid being dispensed, forming a zero-wear sealing system with outstanding sliding properties. Optimized flow channels make dispensing and priming even easier – particularly in instruments with large volumes.



NEW!

Simple to mount

The new discharge tube is easy to fasten and is available with or without a recirculation valve.



NEW!

Positive volume setting

In analog dispensers, volume setting is quick, secure and repeatable due to the interior scalloped track.

NEW!

Out of the way

So it doesn't impede you while dispensing, the screw cap pivots entirely away from the working area.



Trusted technology



NEW!

Designed without seals

All valves work without any additional sealing rings. That makes cleaning and preparation for autoclaving easier.



Fast calibration

With Easy Calibration technique, you can calibrate quickly and easily in the laboratory in just a few steps. BRAND also offers a factory calibration service.

- Autoclavable at 121 °C
- Easy to calibrate and adjust in order to comply with ISO 9001 and GLP guidelines. A positive indicator automatically indicates adjustment from factory settings.
- Easy to dismantle for cleaning
- Replaceable filling and discharge valve with safety ball
- The valve block can be rotated 360° so that the bottle label always faces the user for safety
- Telescoping filling tube adjusts to different bottle sizes
- The 45 mm standard thread plus the included adapters fit common lab bottles
- An extensive line of accessories makes possible special dispensing tasks like sterile applications or dispensing from large containers
- DE-M marking*

* legally replaces  since January 1, 2015

Serial dispensing

The flexible discharge tube facilitates serial dispensing. It permits fast and precise dispensing even into narrow test tubes.



Dispensing sterile fluids

Dispensette® S Organic and Dispensette® S are completely autoclavable at 121 °C. A connectable microfilter filters the air entering the bottle.



Dispensing sensitive reagents

The drying tube protects sensitive reagents against humidity or CO₂.



Dispenser Selection Chart

Reagent	Dispensette® S	Dispensette® S Organic
Acetaldehyde	+	+
Acetic acid (glacial), 100%	+	+
Acetic acid, ≤ 96%	+	+
Acetic anhydride	+	+
Acetone	+	+
Acetonitrile	+	+
Acetophenone	+	+
Acetyl chloride	+	+
Acetylacetone	+	+
Acrylic acid	+	+
Acrylonitrile	+	+
Adipic acid	+	+
Allyl alcohol	+	+
Aluminium chloride	+	+
Amino acids	+	+
Ammonia, ≤ 20%	+	+
Ammonia, 20-30%	+	+
Ammonium chloride	+	+
Ammonium fluoride	+	+
Ammonium sulfate	+	+
n-Amyl acetate	+	+
Amyl alcohol (Pentanol)	+	+
Amyl chloride (Chloropentane)	+	+
Aniline	+	+
Barium chloride	+	+
Benzaldehyde	+	+
Benzene (Benzol)	+	+
Benzine (Petroleum benzin), bp 70-180 °C	+	+
Benzoyl chloride	+	+
Benzyl alcohol	+	+
Benzylamine	+	+
Benzylchloride	+	+
Boric acid, ≤ 10%	+	+
Bromobenzene	+	+
Bromonaphthalene	+	+
Butanediol	+	+
1-Butanol	+	+
n-Butyl acetate	+	+
Butyl methyl ether	+	+
Butylamine	+	+
Butyric acid	+	+
Calcium carbonate	+	+
Calcium chloride	+	+
Calcium hydroxide	+	+
Calcium hypochlorite	+	+
Carbon tetrachloride	+	+
Chloro naphthalene	+	+
Chloroacetaldehyde, ≤ 45%	+	+
Chloroacetic acid	+	+
Chloroacetone	+	+
Chlorobenzene	+	+
Chlorobutane	+	+
Chloroform	+	+
Chlorosulfonic acid	+	+
Chromic acid, ≤ 50%	+	+
Chromosulfuric acid	+	+
Copper sulfate	+	+
Cresol	+	+
Cumene (Isopropyl benzene)	+	+

Reagent	Dispensette® S	Dispensette® S Organic
Cyclohexane	+	+
Cyclohexanone	+	+
Cyclopentane	+	+
Decane	+	+
1-Decanol	+	+
Dibenzyl ether	+	+
Dichloroacetic acid	+	+
Dichlorobenzene	+	+
Dichloroethane	+	+
Dichloroethylene	+	+
Dichloromethane	+	+
Diesel oil (Heating oil), bp 250-350 °C	+	+
Diethanolamine	+	+
Diethyl ether	+	+
Diethylamine	+	+
1,2 Diethylbenzene	+	+
Diethylene glycol	+	+
Dimethyl sulfoxide (DMSO)	+	+
Dimethylaniline	+	+
Dimethylformamide (DMF)	+	+
1,4 Dioxane	+	+
Diphenyl ether	+	+
Essential oil	+	+
Ethanol	+	+
Ethanolamine	+	+
Ethyl acetate	+	+
Ethylbenzene	+	+
Ethylene chloride	+	+
Fluoroacetic acid	+	+
Formaldehyde, ≤ 40%	+	+
Formamide	+	+
Formic acid, ≤ 100%	+	+
Glycerol	+	+
Glycol (Ethylene glycol)	+	+
Glycolic acid, ≤ 50%	+	+
Heating oil (Diesel oil), bp 250-350 °C	+	+
Heptane	+	+
Hexane	+	+
Hexanoic acid	+	+
Hexanol	+	+
Hydriodic acid, ≤ 57% **	+	+
Hydrobromic acid	+	+
Hydrochloric acid, ≤ 20%	+	+
Hydrochloric acid, 20-37% **	+	+
Hydrogen peroxide, ≤ 35%	+	+
Isoamyl alcohol	+	+
Isobutanol	+	+
Isooctane	+	+
Isopropanol (2-Propanol)	+	+
Isopropyl ether	+	+
Lactic acid	+	+
Methanol	+	+
Methoxybenzene	+	+
Methyl benzoate	+	+
Methyl butyl ether	+	+
Methyl ethyl ketone	+	+
Methyl formate	+	+
Methyl propyl ketone	+	+

Reagent	Dispensette® S	Dispensette® S Organic
Methylene chloride	+	+
Mineral oil (Engine oil)	+	+
Monochloroacetic acid	+	+
Nitric acid, ≤ 30%	+	+
Nitric acid, 30-70% */ **	+	+
Nitrobenzene	+	+
Oleic acid	+	+
Oxalic acid	+	+
n-Pentane	+	+
Peracetic acid	+	+
Perchloric acid	+	+
Perchloroethylene	+	+
Petroleum, bp 180-220 °C	+	+
Petroleum ether, bp 40-70 °C	+	+
Phenol	+	+
Phenylethanol	+	+
Phenylhydrazine	+	+
Phosphoric acid, ≤ 85%	+	+
Phosphoric acid, 85% + Sulfuric acid, 98%, 1:1	+	+
Piperidine	+	+
Potassium chloride	+	+
Potassium dichromate	+	+
Potassium hydroxide	+	+
Potassium permanganate	+	+
Propionic acid	+	+
Propylene glycol (Propanediol)	+	+
Pyridine	+	+
Pyruvic acid	+	+
Salicylaldehyde	+	+
Scintillation fluid	+	+
Silver acetate	+	+
Silver nitrate	+	+
Sodium acetate	+	+
Sodium chloride	+	+
Sodium dichromate	+	+
Sodium fluoride	+	+
Sodium hydroxide, ≤ 30%	+	+
Sodium hypochlorite	+	+
Sulfuric acid, ≤ 98%	+	+
Tartaric acid	+	+
Tetrachloroethylene	+	+
Tetrahydrofuran (THF) */ **	+	+
Tetramethylammonium hydroxide	+	+
Toluene	+	+
Trichloroacetic acid	+	+
Trichlorobenzene	+	+
Trichloroethane	+	+
Trichloroethylene	+	+
Trichlorotrifluoro ethane	+	+
Triethanolamine	+	+
Triethylene glycol	+	+
Trifluoro ethane	+	+
Trifluoroacetic acid (TFA)	+	+
Turpentine	+	+
Urea	+	+
Xylene	+	+
Zinc chloride, ≤ 10%	+	+
Zinc sulfate, ≤ 10%	+	+

The above recommendations reflect testing completed prior to publication. Always follow instructions in the operating manual of the instrument as well as the reagent manufacturer's specifications. In addition to these chemicals, a variety of organic and inorganic saline solutions (e.g., biological buffers), biological detergents and media for cell culture can be dispensed. Should you require information on chemicals not listed, please feel free to contact BRAND. Status as of: 0605/13

* use ETFE/PTFE bottle adapter
** use PTFE seal for valve block

Note! For dispensing HF, we recommend the use of the Dispensette® S Trace Analysis bottle-top dispenser with platinum-iridium valve spring.



Ordering Information

Items supplied:

Dispensette® S / Dispensette® S Organic bottle-top dispenser, DE-M marking, performance certificate, telescoping filling tube, recirculation tube (optional), mounting tool and adapters of polypropylene:

Nominal volume ml	Adapter for bottle thread	Filling tube length
1, 2, 5, 10	GL 24-25, GL 28/S 28, GL 32-33, GL 38, S 40	125-240 mm
25, 50, 100	GL 32-33, GL 38, S 40	170-330 mm

Dispensette® S

Capacity ml	Subdivision ml	A* ≤ ± %	CV* ≤ %	without recirculation valve Cat. No.	with recirculation valve Cat. No.
■ Dispensette® S, Digital					
0.1 - 1	0.005	0.6 6	0.2 2	613-5289	613-5290
0.2 - 2	0.01	0.5 10	0.1 2	613-5291	613-5292
0.5 - 5	0.02	0.5 25	0.1 5	613-5293	613-5294
1 - 10	0.05	0.5 50	0.1 10	613-5295	613-5296
2.5 - 25	0.1	0.5 125	0.1 25	613-5297	613-5298
5 - 50	0.2	0.5 250	0.1 50	613-5299	613-5329
■ Dispensette® S, Analog-adjustable					
0.1 - 1	0.02	0.6 6	0.2 2	613-5225	613-5226
0.2 - 2	0.05	0.5 10	0.1 2	613-5227	613-5228
0.5 - 5	0.1	0.5 25	0.1 5	613-5229	613-5230
1 - 10	0.2	0.5 50	0.1 10	613-5231	613-5233
2.5 - 25	0.5	0.5 125	0.1 25	613-5234	613-5235
5 - 50	1.0	0.5 250	0.1 50	613-5236	613-5237
10 - 100	1.0	0.5 500	0.1 100	613-5238	613-5239
■ Dispensette® S, Fixed-volume					
1		0.6 6	0.2 2	613-5240	613-5241
2		0.5 10	0.1 2	613-5242	613-5243
5		0.5 25	0.1 5	613-5244	613-5245
10		0.5 50	0.1 10	613-5246	613-5247
Special fixed volumes: 0.5-100 ml (please state when ordering)				613-5249	613-5288




Dispensette® S Organic

Capacity ml	Subdivision ml	A* ≤ ± %	CV* ≤ %	without recirculation valve Cat. No.	with recirculation valve Cat. No.
■ Dispensette® S Organic, Digital					
0.5 - 5	0.02	0.5 25	0.1 5	613-5346	613-5347
1 - 10	0.05	0.5 50	0.1 10	613-5348	613-5349
2.5 - 25	0.1	0.5 125	0.1 25	613-5350	613-5351
5 - 50	0.2	0.5 250	0.1 50	613-5352	613-5353
■ Dispensette® S Organic, Analog-adjustable					
0.5 - 5	0.1	0.5 25	0.1 5	613-5330	613-5331
1 - 10	0.2	0.5 50	0.1 10	613-5332	613-5333
2.5 - 25	0.5	0.5 125	0.1 25	613-5334	613-5335
5 - 50	1.0	0.5 250	0.1 50	613-5336	613-5337
10 - 100	1.0	0.5 500	0.1 100	613-5338	613-5339
■ Dispensette® S Organic, Fixed-volume					
5		0.5 25	0.1 5	613-5340	613-5341
10		0.5 50	0.1 10	613-5342	613-5343
Special fixed volumes: 2-100 ml (please state when ordering)				613-5344	613-5345



* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth, steady operation. The error limits are well within the limits of DIN EN ISO 8655-5. DE-M marking. A = Accuracy, CV = Coefficient of variation

Note!  For trace analysis and dispensing HF, we recommend the use of the Dispensette® S Trace Analysis bottle-top dispenser.

Accessories · Spare Parts



Discharge tubes

With and without recirculation valve. Screw cap PP.
Pack of 1.

Description	Nominal volume ml	Shape	Length mm	without recirculation valve Cat. No.	with recirculation valve Cat. No.
Dispensette® S	1, 2, 5, 10	fine tip	105	613-5200	613-5212
	5, 10	standard	105	613-5201	613-5213
	25, 50, 100	fine tip	135	613-5202	613-5214
	25, 50, 100	standard	135	613-5203	613-5215
Dispensette® S Organic	5, 10	standard	105	613-5205	613-5216
	25, 50, 100	fine tip	135	613-5207	613-5217
	25, 50, 100	standard	135	613-5208	613-5218

Telescoping filling tubes

For Dispensette® S and Dispensette® S Organic.
FEP. Adjusts to various bottle heights.
Pack of 1.



Nominal volume ml	Outer Ø mm	Length mm	Cat. No.
1, 2, 5, 10	6	70-140	613-5194
		125-240	613-5195
		195-350	613-5196
		250-480	613-5197
25, 50, 100	7.6	170-330	613-5198
		250-480	613-5199

Flexible discharge tube with recirculation valve*

For Dispensette® S and Dispensette® S Organic.
PTFE, coiled, length approx. 800 mm, with safety handle.
Pack of 1.



Nominal volume ml	Discharge tube Outer Ø mm	Inner Ø mm	Cat. No.
2, 5, 10	3	2	613-5221
25, 50, 100	4.5	3	613-5195

* not suitable for HF

Sealing ring for valve block

PTFE. For highly volatile media.
Pack of 1.

Cat. No.	613-3854
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Bottle stand

PP. Full plastic construction.
Support rod 325 mm,
base plate 220 x 160 mm,
weight 1130 g.
Pack of 1.

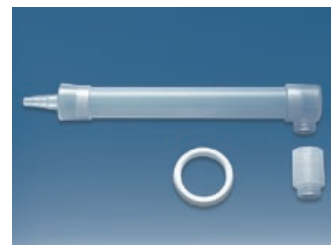
Cat. No.	613-1763
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Drying tube incl. PTFE-sealing ring

Without drying agent.
Pack of 1.

Cat. No.	613-3444
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Additional accessories can be found at www.brand.de



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