

Dispensette® S

Bottle-top Dispenser



Minimum operating forces,
maximum ease of volume setting.

Proven durability for tough
operating and media conditions.

Number one in
bottle-top dispensing.



BRAND. For lab. For life.



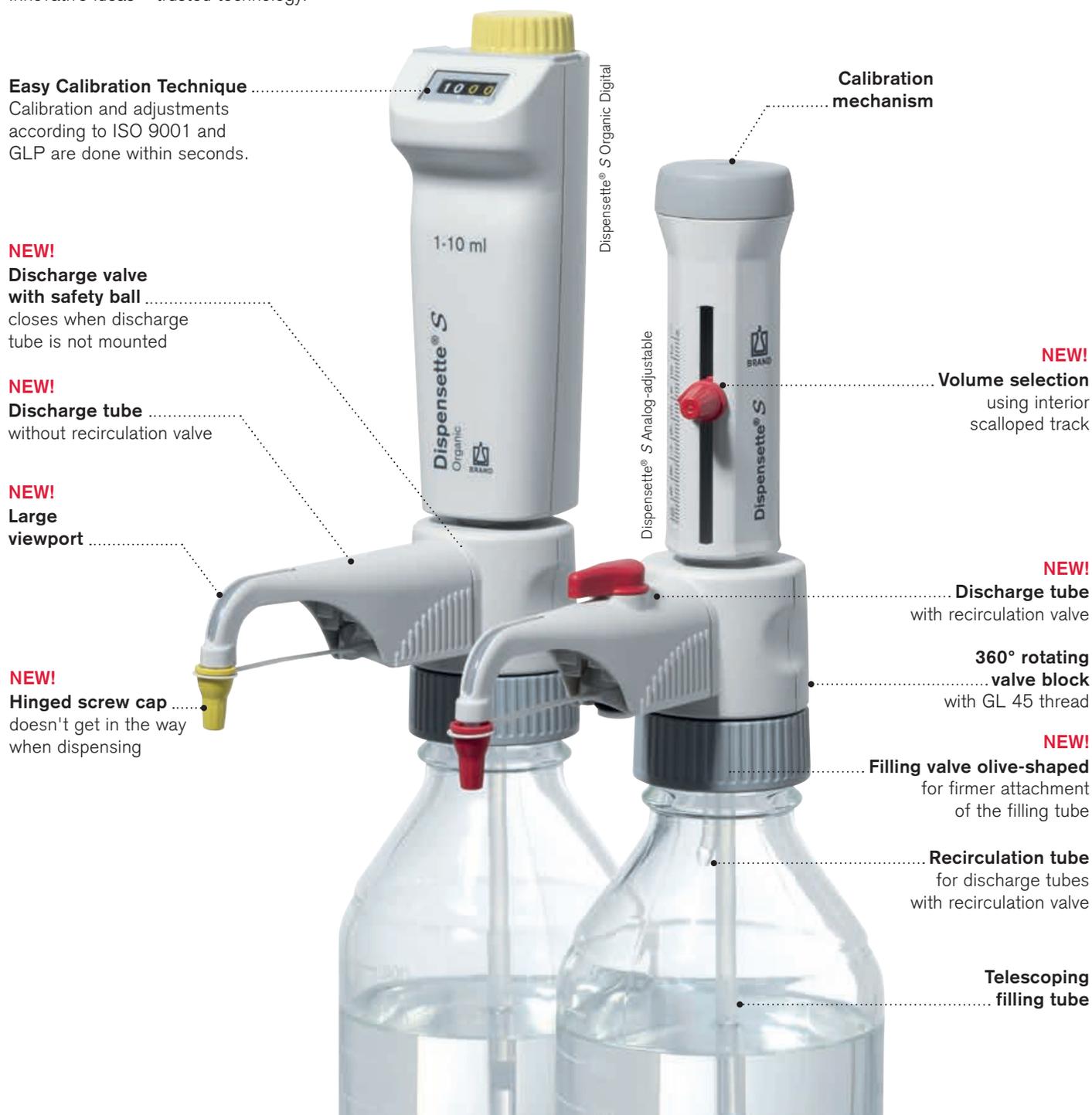
Dispensette® S

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

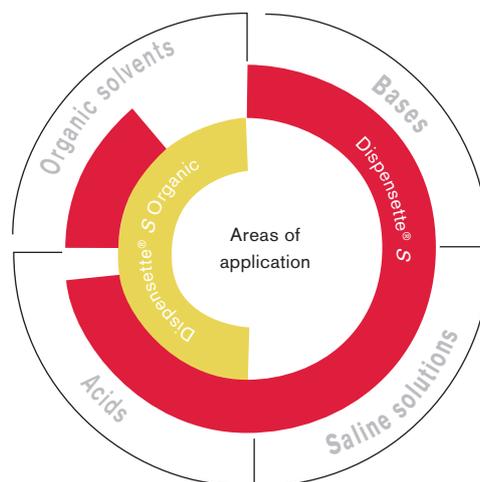
Telescoping

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 trichloroethane 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 mm²/s
temperature max. 40 °C
density max. 2.2 g/cm³

● Vapor pressure max. 600 mbar
viscosity max. 500 mm²/s
temperature max. 40 °C
density max. 2.2 g/cm³



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 – especially 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: 1116/13

* 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.
		%	µl	%	µl		
■ Dispensette® S, Digital							
0.1 - 1	0.005	0.6	6	0.2	2	4600 310	4600 311
0.2 - 2	0.01	0.5	10	0.1	2	4600 320	4600 321
0.5 - 5	0.02	0.5	25	0.1	5	4600 330	4600 331
1 - 10	0.05	0.5	50	0.1	10	4600 340	4600 341
2.5 - 25	0.1	0.5	125	0.1	25	4600 350	4600 351
5 - 50	0.2	0.5	250	0.1	50	4600 360	4600 361
■ Dispensette® S, Analog-adjustable							
0.1 - 1	0.02	0.6	6	0.2	2	4600 100	4600 101
0.2 - 2	0.05	0.5	10	0.1	2	4600 120	4600 121
0.5 - 5	0.1	0.5	25	0.1	5	4600 130	4600 131
1 - 10	0.2	0.5	50	0.1	10	4600 140	4600 141
2.5 - 25	0.5	0.5	125	0.1	25	4600 150	4600 151
5 - 50	1.0	0.5	250	0.1	50	4600 160	4600 161
10 - 100	1.0	0.5	500	0.1	100	4600 170	4600 171
■ Dispensette® S, Fixed-volume							
1		0.6	6	0.2	2	4600 210	4600 211
2		0.5	10	0.1	2	4600 220	4600 221
5		0.5	25	0.1	5	4600 230	4600 231
10		0.5	50	0.1	10	4600 240	4600 241
Special fixed volumes: 0.5-100 ml (please state when ordering)						4600 290	4600 291



Dispensette® S Organic

Capacity ml	Subdivision ml	A* ≤ ±		CV* ≤		without recirculation valve Cat. No.	with recirculation valve Cat. No.
		%	µl	%	µl		
■ Dispensette® S Organic, Digital							
0.5 - 5	0.02	0.5	25	0.1	5	4630 330	4630 331
1 - 10	0.05	0.5	50	0.1	10	4630 340	4630 341
2.5 - 25	0.1	0.5	125	0.1	25	4630 350	4630 351
5 - 50	0.2	0.5	250	0.1	50	4630 360	4630 361
■ Dispensette® S Organic, Analog-adjustable							
0.5 - 5	0.1	0.5	25	0.1	5	4630 130	4630 131
1 - 10	0.2	0.5	50	0.1	10	4630 140	4630 141
2.5 - 25	0.5	0.5	125	0.1	25	4630 150	4630 151
5 - 50	1.0	0.5	250	0.1	50	4630 160	4630 161
10 - 100	1.0	0.5	500	0.1	100	4630 170	4630 171
■ Dispensette® S Organic, Fixed-volume							
5		0.5	25	0.1	5	4630 230	4630 231
10		0.5	50	0.1	10	4630 240	4630 241
Special fixed volumes: 2-100 ml (please state when ordering)						4630 290	4630 291



* 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



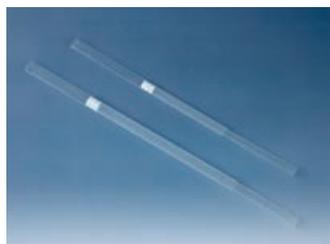
Discharge tubes

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	108	7080 02	7081 02
	5, 10	standard	108	7080 05	7081 04
	25, 50, 100	fine tip	135	7080 06	7081 06
	25, 50, 100	standard	135	7080 08	7081 09
Dispensette® S Organic	5, 10	standard	108	7080 14	7081 14
	25, 50, 100	fine tip	135	7080 16	7081 16
	25, 50, 100	standard	135	7080 19	7081 19

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	7082 10
		125-240	7082 12
		195-350	7082 14
		250-480	7082 16
25, 50, 100	7.6	170-330	7082 18
		250-480	7082 20

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	7081 32
25, 50, 100	4.5	3	7081 34

* not suitable for HF

Bottle stand

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



Cat. No. 7042 75

Sealing ring for valve block

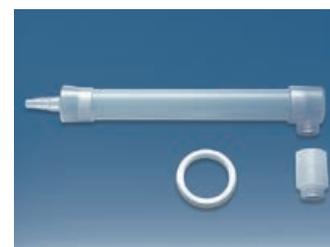
PTFE. For highly volatile media.
Pack of 1.



Cat. No. 7044 86

Drying tube incl. PTFE-sealing ring

Without drying agent.
Pack of 1.



Cat. No. 7079 30

Additional accessories can be found at www.brand.de

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California Residents: For more information concerning California Proposition 65, please refer to www.brand.de/calprop65

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BRAND GMBH + CO KG · P.O. Box 11 55 · 97861 Wertheim · Germany
Tel.: +49 9342 808-0 · Fax: +49 9342 808-98000 · E-Mail: info@brand.de · Internet: www.brand.de



Dispensette® S Trace Analysis



Bottle-top Dispenser

Number 1 for dispensing high-purity media

Trace metal content generally below the detectability threshold

Dispensing of acids and bases for trace analysis – also suitable for hydrofluoric acid



BRAND. For lab. For life.

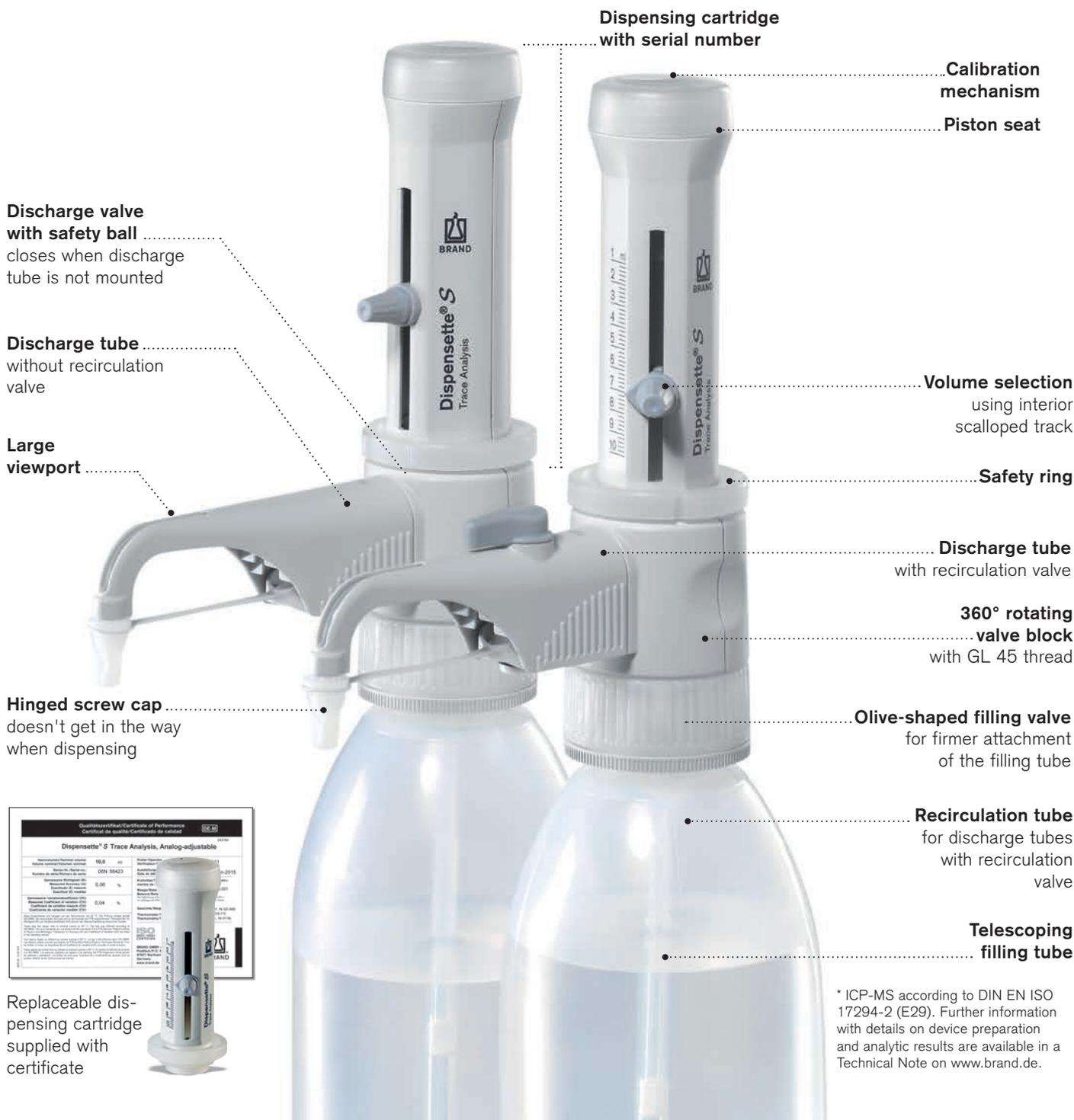
Dispensette® S Trace Analysis

Innovative ideas, trusted technology – Dispensette® S Trace Analysis, the new bottle-top dispenser. For precise volume dispensing of high-purity media such as acids and bases for trace analysis.

- New discharge tube with or without recirculation valve
- New valve system no sealing rings necessary
- Dispensing of media in the volume range from 1 to 10 ml.
- Volume selection with interior scalloped track
- Dispensing hydrofluoric acid no problem with the platinum-iridium valve spring.
- Trace metal content generally below the detectability threshold of normal analytic procedures

A Closer Look...

The bottle-top dispenser Dispensette® S Trace Analysis is designed for use in trace analysis. The high-purity materials of the dispenser release no metal ions. No values found above the detectability threshold in ICP-MS analysis*. Innovative ideas – trusted technology.



Replaceable dispensing cartridge supplied with certificate

* ICP-MS according to DIN EN ISO 17294-2 (E29). Further information with details on device preparation and analytic results are available in a Technical Note on www.brand.de.

Easy Handling



Simple to mount

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



Positive volume setting

Volume setting is quick, secure and repeatable due to the interior scalloped track.



Designed without seals

All valves work without any additional sealing rings, which makes cleaning easier.



Replaceable dispensing cartridge

The entire dispensing cartridge can easily be replaced without tools by the user.

Fully adjusted at the factory, with a performance certificate. No calibration is required after replacement.

Trusted technology

- Parts in contact with media consist of high-purity materials such as PTFE, ETFE, PCTFE, FEP and PFA. The purest sapphire is used for replaceable valves. Depending on the application, platinum-iridium or tantalum are available as spring materials.
- A field-tested cleaning process before use in trace analysis is described in the operating manual.
- If contamination of the bottle contents must be avoided when used in trace analysis, we recommend using the dispenser without recirculation valve.
- 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
- Easy disassembly for replacement of the dispensing cartridge
- DE-M marking*

* legally replaces  since January 1, 2015

Recommended application range

Dispensing medium	Valve spring Pt-Ir	Valve spring Ta
Acetic acid	+	+
Ammonia solution	+	+
Bromine	+	+
Hydrochloric acid	+	+
Hydrofluoric acid**	+	-
Hydrogen peroxide	-	+
Nitric acid	+	+
Perchloric acid	+	+
Phosphoric acid	+	+
Sodium hydroxide, 30%	+	-
Sulfuric acid	+	+
Water	+	+

+ suitable - not suitable

** Hydrofluoric acid reacts slightly with sapphire resulting in mildly elevated aluminum values. To reduce these values we recommend discarding 3-5 dispensings of 2 ml each before performing the analysis.

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. Should you require information on chemicals not listed, please feel free to contact BRAND. Status as of: 0815/2

Ordering Information

Dispensette® S Trace Analysis, Analog-adjustable



Items supplied:

Dispensette® S Trace Analysis bottle-top dispenser, DE-M marking, performance certificate, telescoping filling tube, recirculation tube (optional), mounting tool and bottle adapters GL 28/S 28 (ETFE), GL 32 (ETFE) and S 40 (PTFE).

Capacity ml	Valve spring	A* ≤ ±		CV* ≤		without recirculation valve	with recirculation valve
		%	µl	%	µl	Cat. No.	Cat. No.
1 - 10	Platinum-iridium	0.5	50	0.1	10	4640 040	4640 041
1 - 10	Tantalum	0.5	50	0.1	10	4640 240	4640 241

* 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

Accessories · Spare Parts

Discharge tubes

With and without recirculation valve. Nominal volume 10 ml. Screw cap ETFE. Discharge tube marked with 'Pt-Ir' or 'Ta'. Pack of 1.



Valve spring	Length mm	without recirculation valve	with recirculation valve
		Cat. No.	Cat. No.
Platinum-iridium	105	7080 22	7081 22
Tantalum	105	7080 24	7081 24

Bottle stand

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

Cat. No. 7042 75



Dispensing cartridge with safety ring

Nominal volume 10 ml. Calibrated, incl. quality certificate. Pack of 1.

Cat. No. 7080 35



Flexible discharge tube with recirculation valve*

PTFE, coiled, length approx. 800 mm, with safety handle. Pack of 1.



Nominal volume ml	Discharge tube		Cat. No.
	Outer Ø mm	Inner Ø mm	
10	3	2	7081 32

* not suitable for HF

Telescoping filling tubes

FEP. Adjusts to various bottle heights. Pack of 1.

Length mm	Cat. No.
70-140	7082 10
125-240	7082 12
195-350	7082 14
250-480	7082 16



Additional accessories can be found at www.brand.de

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BRAND GMBH + CO KG · P.O. Box 11 55 · 97861 Wertheim · Germany

Tel.: +49 9342 808-0 · Fax: +49 9342 808-98000 · E-Mail: info@brand.de · Internet: www.brand.de



The economy dispensers for routine dispensing.
Precise, rugged, low-cost.



seripettor® seripettor® *pro*

F I R S T C L A S S · B R A N D

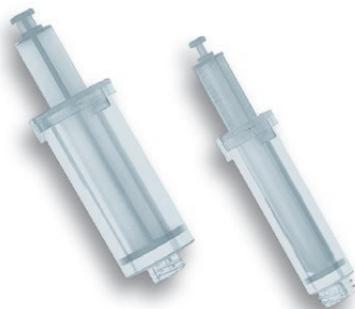
- Low-cost replaceable dispensing cartridge and valves!
- Easy cleaning and maintenance!
- Easy to operate!
- Refills automatically!
- Volume range from 0.2 to 25 ml

seripettor®:

for dispensing alkaline, buffer and vitamin solutions, as well as culture media, e.g., agar nutrient medium, up to 60 °C

seripettor® *pro*:

broader scope of application compared to the seripettor®; for dispensing many acidic, alkaline and saline solutions, and solvents



The low-cost alternative...



seripettor[®] and **seripettor**[®] *pro* are innovative bottle-top dispensers from BRAND with a special design. A lifting spring provides automatic filling. When the piston seal is worn out, the entire dispensing unit can be exchanged by the user rapidly and problem-free.

seripettor[®] and **seripettor**[®] *pro* open up an enormous range of applications in routine lab work, with dispensing of buffer solutions, culture media, vitamin solutions; acid, alkaline or salt solutions, and many polar solvents. Even special cases can be managed; for example, the **seripettor**[®] can handle agar culture media up to a max. of 60 °C. A guide for selecting the right equipment can be found on the last page.

Eliminate expensive repairs! Dissassembles without tools.

The innovative design of **seripettor**[®] / **seripettor**[®] *pro* makes cleaning and maintenance easy. All parts can be replaced quickly without tools.

A closer look...



Volume settings

Scalloped track allow for quick and exact setting of desired volume. The selected volume can be easily read.



Semi-automatic dispensing

The spring-loaded piston refills the cylinder after dispensing.



Replaceable dispensing cartridge

In the event of contamination with crystallizing or sticky deposits, the dispensing cartridge is easy and inexpensive to replace. One spare cartridge included free!



Fits most bottles

Valve block (45 mm) and included adapters (32 and 40 mm) match the threads of the most common reagent bottles.

Handling



Dispensing

For dispensing, press down gently on the piston. Filling takes place automatically, thanks to the spring.



Serial dispensing

The optional flexible discharge tube with the safety grip makes it easier to dispense in long series (it connects to the valve block with an adapter).



Accessories for dispensing sterile liquids

1. Mount the valve block with filling tube onto the bottle and cover the valve block with cap. Fix the autoclavable sterile membrane filter (0.2 µm) laterally and autoclave at 121 °C.
2. On a Clean-bench (sterile hood), remove the cap from the valve block, screw in a new sterile dispensing cartridge and mount the pump assembly. You're ready to dispense!



Materials of Construction

	seripettor®	seripettor® pro
Pump assembly	PC	PPO/PEI (for UV protection)
Lifting spring	spring steel	Hastalloy (stainless)
Dispensing cartridge*	PE/PP	PE/PP
Valve block*	PP	PP
Valve*	PP/EPDM	ETFE/borosilicate glass/Al ₂ O ₃ /Pt-Ir
Discharge tube*	FEP	PTFE/ETFE/FEP/PFA/borosilicate glass/Al ₂ O ₃ /Pt-Ir
Filling tube*	PP	Telescoping filling tube, FEP/PTFE
Cap for discharge tube*	Stopper cap, PP	Screw cap, PP

* parts in contact with the media

Operating Limits

	seripettor®	seripettor® pro
Vapor pressure	up to 500 mbar	up to 500 mbar
Density	up to 2.2 g/cm ³	up to 2.2 g/cm ³
Temperature	15 to 40 °C, agar cultures up to 60 °C	15 to 40 °C
Viscosity	2 ml instrument: 300 mm ² /s 10 ml instrument: 150 mm ² /s 25 ml instrument: 75 mm ² /s	2 ml instrument: 300 mm ² /s 10 ml instrument: 150 mm ² /s 25 ml instrument: 75 mm ² /s

Ordering Data

Items supplied:

seripettor®/seripettor® pro, discharge tube, filling tube, spare dispensing cartridge and adapter, PP (GL 45/32 and GL 45/S40).

	seripettor®			seripettor® pro		
	0.2 - 2	1 - 10	2.5 - 25	0.2 - 2	1 - 10	2.5 - 25
Volume (ml)	0.2 - 2	1 - 10	2.5 - 25	0.2 - 2	1 - 10	2.5 - 25
Subdivision (ml)	0.04	0.2	0.5	0.04	0.2	0.5
A* (±) %	1.2	1.2	1.2	1.2	1.2	1.2
μl	24	120	300	24	120	300
CV* (≤) %	0.2	0.2	0.2	0.2	0.2	0.2
μl	4	20	50	4	20	50
Cat. No.	4720 120	4720 140	4720 150	4720 420	4720 440	4720 450

* All dispensers 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. A = Accuracy, CV = Coefficient of variation

Accessories

Dispensing cartridges

Non-sterile and sterile piston (PE), cylinder (PP).



Flexible discharge tube

PTFE, coiled, length 800 mm, with handle. Not suitable for HF and peroxides. Pack of 1.



Description	Pack of	Cat. No.	Nominal volume	Cat. No.
2 ml, non-sterile	3	7045 00	2 + 10 ml	7045 22
10 ml, non-sterile	3	7045 02	25 ml	7045 23
25 ml, non-sterile	3	7045 04		
2 ml, sterile (individually wrapped)	7	7045 07		
10 ml, sterile (individually wrapped)	7	7045 06		
25 ml, sterile (individually wrapped)	5	7045 08		



Dispenser selection chart

Reagent	seripettor®	seripettor® pro
Acetaldehyde		+
Acetic acid, 5%	+	+
Acetic acid, 96%		+
Acetic acid (glacial), 100%		+
Acetone		+
Acetonitrile		+
Acetophenone	+	
Acetylacetone	+	+
Acrylic acid		+
Acrylonitrile		+
Adipic acid	+	+
Agar (60 °C)	+	
Allyl alcohol	+	+
Aluminium chloride	+	+
Amino acids	+	+
Ammonia, 30%	+	+
Ammonium chloride	+	+
Ammonium fluoride	+	+
Ammonium sulfate	+	+
Amyl alcohol (Pentanol)	+	+
n-Amyl acetate		+
Aniline		+
Barium chloride	+	+
Benzaldehyde		+
Benzyl alcohol		+
Benzylamine		+
Benzylchloride		+
Boric acid, 10%	+	+
Butanediol	+	+
1-Butanol		+
Butylamine		+
n-Butyl acetate		+
Calcium carbonate	+	+
Calcium chloride	+	+

Reagent	seripettor®	seripettor® pro
Calcium hydroxide	+	+
Calcium hypochlorite		+
Chloroacetaldehyde, 45%		+
Chloroacetic acid		+
Chromic acid, 50%		+
Copper sulfate	+	+
Cumene (Isopropyl benzene)		+
Diethylene glycol	+	+
Dimethyl sulfoxide (DMSO)		+
Dimethylaniline		+
Ethanol	+	+
Formaldehyde, 40%	+	+
Formamide	+	+
Formic acid, 100%		+
Glycerol	+	+
Glycol (Ethylene glycol)	+	+
Glycolic acid, 50%	+	+
Hexanoic acid	+	+
Hexanol		+
Hydriodic acid	+	+
Hydrobromic acid		+
Hydrochloric acid, 37%		+
Hydrogen peroxide, 35%	+	
Isoamyl alcohol		+
Isobutanol	+	+
Isopropanol (2-Propanol)	+	+
Lactic acid	+	+
Methanol	+	+
Methyl benzoate		+
Methyl ethyl ketone		+
Methyl propyl ketone		+
Mineral oil (Engine oil)		+
Monochloroacetic acid		+

Reagent	seripettor®	seripettor® pro
Nitric acid, 10%		+
Oxalic acid	+	+
Perchloric acid		+
Phenol		+
Phosphoric acid, 85%		+
Piperidine		+
Potassium chloride	+	+
Potassium dichromate	+	+
Potassium hydroxide	+	+
Potassium hydroxide in ethanol	+	+
Potassium permanganate	+	+
Propionic acid	+	+
Propylene glycol (Propanediol)	+	+
Pyridine		+
Pyruvic acid	+	+
Salicylaldehyde		+
Salicylic acid	+	+
Silver acetate	+	+
Silver nitrate	+	+
Sodium acetate	+	+
Sodium chloride	+	+
Sodium dichromate	+	+
Sodium fluoride	+	+
Sodium hydroxide, 30%	+	+
Sodium hypochlorite 20% (active chlorine approx. 10%)		+
Sulfuric acid, 10%	+	+
Tartaric acid		+
Urea	+	+
Zinc chloride, 10%	+	+
Zinc sulfate, 10%	+	+

Note: seripettor® and seripettor® pro are not suitable for HF.

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: 0614/8

Additional information on the seripettor® and seripettor® pro (operating manual, etc.) can be found at www.brand.de

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BRAND GMBH + CO KG · P.O. Box 11 55 · 97861 Wertheim · Germany
Phone: +49 9342 808-0 · Fax: +49 9342 808-98000 · E-Mail: info@brand.de · Internet: www.brand.de

