Dispensette® – the right bottle-top dispenser for your application.

BRAND

Dispensette®

FIRST CLASS · BRAND

- **Dispensette® III:** the proven bottle-top dispenser for acids, bases, saline solutions as well as many organic solvents.
- **Dispensette® Organic:** optimized for dispensing organic solvents and acids.
- **Dispensette® HF:** for dispensing hydrofluoric acid.

Choose your dispenser

The Dispensette® with its broad range of application has proven reliable for accurate dispensing even of aggressive reagents.

Dispensing with a gentle touch

We bring 40 years of experience and the most modern manufacturing technology to the development and production of bottle-top dispensers. Pistons and cylinders are accurately machined and hand matched to provide a low-wear seal, optimum sliding properties and virtually effortless, one-handed dispensing.

Product features

- The 45 mm standard thread plus the included adapters fit common lab bottles.
- 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
- Easy to dismantle for cleaning
- Replaceable filling valves for simple, economical service
- Autoclavable at 121 °C
- Conformity certified
- Easy to calibrate and adjust in order to comply with ISO 9001 and GLP guidelines. A positive indicator automatically indicates adjustment from factory settings.

An extensive line of accessories makes possible special dispensing tasks like sterile applications or dispensing from large containers.

Handling

Serial dispensing

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

Dispensing sterile fluids

The Dispensette® is completely autoclavable at 121 °C. Optional microfilters protect the bottle contents from contamination.

Volume adjustment

■ **Digital · Easy Calibration**

– Digital display: especially easy to read, and dispensing volume can be set accurately and reproducibly (mechanical counter).
– Easy Calibration: Innovative technique for adjustment in seconds without tools.

■ **Analog-adjustable**

– Fast volume adjustment with analog slide
– Simple calibration adjustment with supplied tool.

■ **Fixed-volume**

– Fixed-volume for standard applications
– Simple calibration adjustment with supplied tool.

Dispensing sensitive reagents

The drying tube protects sensitive reagents against humidity or CO_2.

Dispenser selection chart

Reagent	Disp. III	Disp. Organic
Acetaldehyde	+	+
Acetic acid (glacial), 100%	+	+
Acetic acid, 96%	+	+
Acetic anhydride		+
Acetone	+	+
Acetonitrile	+	+
Acetophenone		+
Acetylacetone	+	+
Acetylchloride		+
Acrylic acid	+	+
Acrylonitrile	+	+
Adipic acid	+	
Allyl alcohol	+	+
Aluminium chloride	+	
Amino acids	+	
Ammonium chloride	+	
Ammonium fluoride	+	
Ammonium hydroxide, 30% (Ammonia)	+	+
Ammonium sulfate	+	
n-Amyl acetate	+	+
Amyl alcohol (Pentanol)	+	+
Amyl chloride (Chloropentane)		+
Aniline	+	+
Barium chloride	+	
Benzaldehyde	+	+
Benzene (Benzol)	+	+
Benzine (Gasoline)		+
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	+	+
Chloroacetalaldehyde, 45%	+	+
Chloroacetic acid	+	+
Chloroacetone	+	+
Chlorobenzene	+	+
Chlorobutane	+	+
Chloroform		+
Chlorosulfonic acid		+
Chromic acid, 10%	+	+
Chromic acid, 50%	+	+
Chromosulfuric acid	+	
Copper sulfate	+	
Cresol		+
Cumene (Isopropyl benzene)	+	+

Reagent	Disp. III	Disp. Organic
Cyclohexane		+
Cyclohexanone	+	+
Cyclopentane		+
Decane	+	+
1-Decanol	+	+
Dibenzylether	+	+
Dichloroacetic acid		+
Dichlorobenzene	+	+
Dichloroethane		+
Dichloroethylene		+
Dichloromethane		+
Diesel oil (Heating oil)		+
Diethanolamine	+	+
Diethyl ether		+
Diethylamine	+	+
1,2 Diethylbenzene	+	+
Diethylene glycol	+	+
Dimethyl sulfoxide (DMSO)	+	+
Dimethylaniline	+	
Dimethylformamide (DMF)	+	+
1,4 Dioxane		+
Diphenyl ether	+	+
Ethanol	+	+
Ethanolamine	+	+
Ethyl acetate	+	+
Ethyl methyl ketone	+	+
Ethylbenzene		+
Ethylene chloride		+
Fluoroacetic acid		+
Formaldehyde, 40%	+	
Formamide	+	+
Formic acid, 100%		+
Glycerol	+	+
Glycol (Ethylene glycol)	+	+
Glycolic acid, 50%	+	
Heating oil (Diesel oil)		+
Heptane		+
Hexane		+
Hexanoic acid	+	+
Hexanol	+	+
Hydriodic acid	+	+
Hydrobromic acid		+
Hydrochloric acid, 20%	+	+
Hydrochloric acid, 20-37%		+
Hydrogen peroxide, 35%		+
Isoamyl alcohol	+	+
Isobutanol (Isobutyl alcohol)	+	+
Isooctane		+
Isopropanol (2-Propanol)	+	+
Isopropyl ether	+	+
Lactic acid	+	
Methanol	+	+
Methoxybenzene	+	+
Methyl benzoate	+	+
Methyl butyl ether	+	+
Methyl formate	+	+
Methyl propyl ketone	+	+
Methylene chloride		+
Mineral oil (Engine oil)	+	+
Monochloroacetic acid	+	+
Nitric acid, 30%	+	+

Reagent	Disp. III	Disp. Organic
Nitric acid, 30-70%		+
Nitrobenzene	+	+
Oleic acid	+	+
Oxalic acid	+	
n-Pentane		+
Peracetic acid		+
Perchloric acid	+	+
Perchloroethylene		+
Petroleum	+	+
Petroleum ether		+
Phenol	+	+
Phenylethanol	+	+
Phenylhydrazine	+	+
Phosphoric acid, 85%	+	+
Phosphoric acid, 85% + Sulphuric acid, 98%, 1:1	+	+
Piperidine	+	+
Potassium chloride	+	
Potassium dichromate	+	
Potassium hydroxide	+	
Potassium permanganate	+	
Propionic acid	+	+
Propylene glycol (Propanediol)	+	+
Pyridine	+	+
Pyruvic acid	+	+
Salicyl acid	+	+
Salicylaldehyde	+	+
Scintilation 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%	+	

Hydrofluoric acid (HF): Only the Dispensette® HF is specifically designed to dispense hydrofluoric acid (maximum permitted concentration 52%).

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 Sep06

Areas of application

Bases	Saline solutions	Acids	Organic solvents polar	Organic solvents non-polar	Hydrofluoric acid (HF)
Dispensette® III					
		Dispensette® Organic			
					Dispensette® HF

Dispensette® III

Dispensette® III (color-code red): Its **broad range of application** permits bottle dispensing of aggressive reagents, including concentrated acids such as H_3PO_4, H_2SO_4, bases like NaOH, KOH, saline solutions, as well as many organic solvents.
For such reagents as concentrated HCl and HNO_3, for trifluoroacetic acid (TFA), tetrahydrofuran (THF), dichloromethane and peroxides, we recommend the Dispensette® Organic.

Dispensette® III, Digital · Easy Calibration

Capacity ml	Subdivision ml	A* ≤ ± %	A* ≤ ± µl	CV* ≤ %	CV* ≤ µl	without SafetyPrime™ recirculation valve Cat. No.	with SafetyPrime™ recirculation valve Cat. No.
0.2 - 2	0.01	0.5	10	0.1	2	4700 320	4700 321
0.5 - 5	0.02	0.5	25	0.1	5	4700 330	4700 331
1 - 10	0.05	0.5	50	0.1	10	4700 340	4700 341
2.5 - 25	0.1	0.5	125	0.1	25	4700 350	4700 351
5 - 50	0.2	0.5	250	0.1	50	4700 360	4700 361

Dispensette® III, Analog-adjustable

Capacity ml	Subdivision ml	A* ≤ ± %	A* ≤ ± µl	CV* ≤ %	CV* ≤ µl	without SafetyPrime™ recirculation valve Cat. No.	with SafetyPrime™ recirculation valve Cat. No.
0.05 - 0.5	0.01	1.0	5	0.2	1	4700 100	4700 101
0.2 - 2	0.05	0.5	10	0.1	2	4700 120	4700 121
0.5 - 5	0.1	0.5	25	0.1	5	4700 130	4700 131
1 - 10	0.2	0.5	50	0.1	10	4700 140	4700 141
2.5 - 25	0.5	0.5	125	0.1	25	4700 150	4700 151
5 - 50	1.0	0.5	250	0.1	50	4700 160	4700 161
10 - 100	1.0	0.5	500	0.1	100	4700 170	4700 171

Dispensette® III, Fixed-volume

Capacity ml	A* ≤ ± %	A* ≤ ± µl	CV* ≤ %	CV* ≤ µl	without SafetyPrime™ recirculation valve Cat. No.	with SafetyPrime™ recirculation valve Cat. No.
1	0.5	5	0.1	1	4700 210	4700 211
2	0.5	10	0.1	2	4700 220	4700 221
5	0.5	25	0.1	5	4700 230	4700 231
10	0.5	50	0.1	10	4700 240	4700 241
Special fixed volumes: 0.25-100 ml (please state when ordering)					4700 290	4700 291

Dispensette® HF

The Dispensette® HF (green color-code) is specially designed to dispense **hydrofluoric acid (HF).**

Dispensette® HF, Analog-adjustable

Capacity ml	Subdivision ml	A* ≤ ± %	A* ≤ ± µl	CV* ≤ %	CV* ≤ µl	without SafetyPrime™ recirculation valve Cat. No.	with SafetyPrime™ recirculation valve Cat. No.
1 - 10	0.2	0.5	50	0.1	10	4700 040	4700 041

* 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

Dispensette® Organic

The Dispensette® Organic (yellow color-code) is ideal for dispensing of **organic solvents** including chlorinated and fluorinated hydrocarbons (e.g., trichlorotrifluoroethane and dichloromethane), **concentrated acids (e.g., HCl and HNO_3),** trifluoroacetic acid (TFA), tetrahydofuran (THF) and peroxides. For bases and saline solutions we recommend the Dispensette® III.

Dispensette® Organic, Digital · Easy Calibration

Capacity ml	Subdivision ml	A* ≤ ± %	A* ≤ ± µl	CV* ≤ %	CV* ≤ µl	without SafetyPrime™ recirculation valve Cat. No.	with SafetyPrime™ recirculation valve Cat. No.
0.5 - 5	0.02	0.5	25	0.1	5	4730 330	4730 331
1 - 10	0.05	0.5	50	0.1	10	4730 340	4730 341
2.5 - 25	0.1	0.5	125	0.1	25	4730 350	4730 351
5 - 50	0.2	0.5	250	0.1	50	4730 360	4730 361

Dispensette® Organic, Analog-adjustable

Capacity ml	Subdivision ml	A* ≤ ± %	A* ≤ ± µl	CV* ≤ %	CV* ≤ µl	without SafetyPrime™ recirculation valve Cat. No.	with SafetyPrime™ recirculation valve Cat. No.
0.5 - 5	0.1	0.5	25	0.1	5	4730 130	4730 131
1 - 10	0.2	0.5	50	0.1	10	4730 140	4730 141
2.5 - 25	0.5	0.5	125	0.1	25	4730 150	4730 151
5 - 50	1.0	0.5	250	0.1	50	4730 160	4730 161
10 - 100	1.0	0.5	500	0.1	100	4730 170	4730 171

Dispensette® Organic, Fixed-volume

Capacity ml	A* ≤ ± %	A* ≤ ± µl	CV* ≤ %	CV* ≤ µl	without SafetyPrime™ recirculation valve Cat. No.	with SafetyPrime™ recirculation valve Cat. No.
5	0.5	25	0.1	5	4730 230	4730 231
10	0.5	50	0.1	10	4730 240	4730 241
Special fixed volumes: 2-100 ml (please state when ordering)					4730 290	4730 291

Materials in contact with media

- Dispensette® III: borosilicate glass, Al_2O_3-ceramic, platinum-iridium, ETFE, FEP, PFA and PP (discharge tube safety screw cap)
- Dispensette® Organic: borosilicate glass, Al_2O_3-ceramic, tantalum, ETFE, FEP, PFA and PP (discharge tube safety screw cap)
- Dispensette® HF: Al_2O_3-ceramic, platinum-iridium, ETFE, FEP, PFA and PP (discharge tube safety screw cap)

Operating limits

- Dispensette® III: vapor pressure max. 500 mbar, viscosity max. 500 mm^2/s, temperature max. 40 °C, density max. 2.2 g/cm^3
- Dispensette® Organic: vapor pressure max. 500 mbar, viscosity max. 500 mm^2/s, temperature max. 40 °C, density max. 2.2 g/cm^3
- Dispensette® HF: vapor pressure max. 500 mbar, viscosity max. 500 mm^2/s, temperature max. 40 °C, density max. 3.8 g/cm^3

Additional information on the Dispensette® (operating manual, SOP, etc.) can be found at www.brand.de

Dispensette® Accessories

(Additional accessories can be found in the BRAND General Catalog 700 or at www.brand.de)

SafetyPrime™ recirculation valves

Reduces solvent waste during priming. Pack of 1.

Description	Cat. No.
■ for Dispensette® III 0.5 ml	7060 81
■ for Dispensette® III 1-100 ml	7060 80
■ for Dispensette® Organic	7060 90
■ for Dispensette® HF	7060 85

Discharge tube with Luer-Lock attachment for micro filter

FEP/PP.
Pack of 1.

Cat. No.	7079 28*

* not suitable for HF and Peroxide

Micro filter connector with Luer-cone

PP. Air vent cap and seal.
Pack of 1 each.

Cat. No.	7044 95

Flexible discharge tubing

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

Nominal volume ml	Discharge tubing outer-Ø mm	Cat. No.
1, 2, 5, 10	3	7079 25*
25, 50, 100	4.5	7079 26*

* not suitable for HF and Peroxide

Discharge tubes with integrated valve

Pack of 1.

Description	Nominal volume ml	Shape	Length mm	Cat. No.
■ for Dispensette® III	0.5, 1, 2, 5, 10	fine tip	90	7079 15
	5, 10	standard	90	7079 16
	25, 50, 100	standard	120	7079 17
	25, 50, 100	fine tip	120	7079 18
■ for Dispensette® Organic	0.5, 1, 2, 5, 10	fine tip	90	7079 35
	5, 10	standard	90	7079 36
	25, 50, 100	standard	120	7079 37
	25, 50, 100	fine tip	120	7079 38
■ for Dispensette® HF	10	standard	90	7079 19

Drying tube

Drying tube and seal, without drying agent. Pack of 1.

Cat. No.	7079 30

Remote dispensing system

For Dispensette® III and Dispensette® Organic. Dispense accurate volumes directly from unpressurized drums and bulk refills. The container can be stored up to 10 meters (30 feet) from the dispensing station. The max. delivery height is approx. 1.2 m. Pack of 1 (without Dispensette®).

Cat. No.	7042 61

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