

Pipettes/Pipette tips-Dispensing/Hand dispensers

1



1 Acrylic-dispensing box

Highly transparent, for dust-free storage and dispensing of disposables, such as microtubes, pipette tips etc. With drop-on/ lift-off lid.

No. of chambers	Width mm	Length mm	Height mm	PK	Cat. No.
2	160	140	365	1	9.301 540
3	160	210	215	1	9.301 541
4	160	290	215	1	9.301 542

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2 Storage system "MultiStore"

White, made of highly impact resistant plastic, Tilt bins made of crystal clear PS.
 - for small components and accessories e.g. in industries, hospitals and laboratories
 - dust-free and clean storage of contents
 - multifunctional for individual storage solutions

Hünersdorff

Description	External dimensions (W x D x H) mm	Dimensions* (W x D x H) mm	PK	Cat. No.
4 tilt bins	171.5 x 601 x 206	128 x 125.5 x 133.5	1	9.301 553
3 tilt bins	198 x 601 x 238	149 x 176 x 161	1	9.301 554
2 tilt bins	310.5 x 601 x 353	221 x 265 x 241	1	9.301 555

*Dimensions of each single tilt bin

3



3 4 Dispensers Multipipette® Stream and Multipipette® Xstream

NEW!

Eppendorf AG

Applications

- dispensing volumes in long series
- electronic dispensing with memory functions
- contamination-free dispensing using positive displacement principle
- ideal for viscous solutions (e.g. glycerol, oil) or liquids with high vapour pressure (e.g. acetone, ethanol)

Product features, Multipipette® Stream

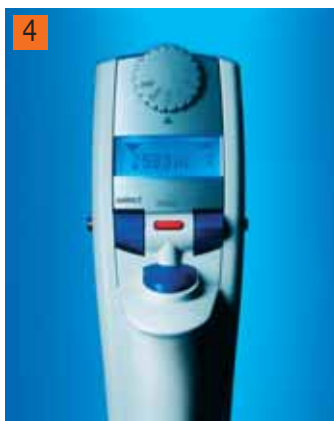
- dispensing and pipetting according to positive displacement principle
- automatic dispensing
- rapid, ergonomic dispensing with motorized piston
- one-button tip ejector
- Li-Ion battery
- selection wheel
- automatic Combitip® plus tip recognition
- IVD conformity
- volume range from 1µl to 50ml
- charging possible whilst in use

Additional product features of Multipipette® Xstream

- aspirating (pipetting of supernatants)
- titration
- sequential dispensing

Type	PK	Cat. No.
Multipipette® stream incl. charger	1	9.283 615
Multipipette® Xstream incl. charger	1	9.283 616
Charge stand for Multipipette®/Repeater Stream/Xstream	1	9.283 618

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5 Pipettors, positive displacement, stepper type, Multipipette® plus

Eppendorf AG

- Easy to read: Combitip identification with digital volume display
- Positive displacement principle is ideal for viscous or high vapour pressure liquids
- Up to 100 dispensings from one fill for easy processing of long series
- 112 different volumes, also "non-standard" volumes, such as 1µl, 3µl and 17µl.
- Simple, variable volume setting from 1µl to 10ml
- Easy Combitip insertion without contact
- 2-year guarantee

Type	PK	Cat. No.
Multipipette® plus	1	9.283 603

1 Pipettor Station Sharkfin™



Organize your lab workspace with three interlocking storage devices

Sharkfin™ Tip Rack Stand: Innovative design stores 96-well tip racks at a 10° angle: This makes accessing the tips easy! Tabs on the sides connect to the Sharkfin Pipettor Stand, Sharkfin Double Bin, or another Sharkfin Tip Rack Stand. Designed to hold one or two tip racks and is compatible with most 96 well racks. Both stand spaces allow tip rack lid to stay open.

Sharkfin™ Double Bin: Double Bin stores commonly used items such as pipette tips or tubes. Side tabs connect to Sharkfin Pipettor Stand, Sharkfin Tip Rack Stand, or another Sharkfin Double Bin. Hinged lids make filling/dispensing easy and keep products dust-free. Generous compartments store loose items securely.

Sharkfin™ Pipettor Stand: Pipettor Stand securely holds two pipettors and accommodates most pipettor brands. Side tabs connect to Sharkfin Tip Rack Stand, Sharkfin Double Bin, or another Sharkfin Pipettor Stand. Stand holds pipettors at an angle with gaps between allowing easy retrieval. All stands constructed in translucent ABS with non-slip rubber feet.

Description	PK	Cat. No.
Pipettor Station Sharkfin™	1	9.280 013

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2 Dispense tips, Combitips® plus

- ideal system components for all Multipettes and Edos® dispensing system
- wide ranging capacity selection with 9 sizes of Combitip plus
- many volumes available per Combitip size
- accurate results through "positive displacement" operation
- fine Combitip tip cones for exact dispensing without additional pipette tips
- standard and Eppendorf Biopur® versions available

Eppendorf AG

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Supplied in packs of 100.

Type	Minimum Interval (µl)	Maximum Interval (µl)	PK	Cat. No.
Combitips plus 0.1ml	1	20	100	9.283 605
Combitips plus 0.2ml	2	40	100	9.283 606
Combitips plus 0.5ml	5	100	100	9.283 607
Combitips plus 1.0ml	10	200	100	9.283 608
Combitips plus 2.5ml	25	500	100	9.283 609
Combitips plus 5.0ml	50	1000	100	9.283 610
Combitips plus 10ml	100	2000	100	9.283 611
Combitips plus 25ml	250	5000	100	9.283 613
Combitips plus 50ml	500	10000	100	9.283 612
25ml adapter standard, navy blue			1	9.283 619
50ml adapter Eppendorf standard, anthracite			1	9.283 620
Mixed pack standard (5 of each size plus 1 each of 50ml and 25ml adapters)			1	9.283 625
Multipette plus adapter for carousel pipette stand			1	9.283 655
Combilong (suction aids for aspirating from volumetric flasks or tall neck bottles: Combitip plus sizes 5, 25, 50ml)			2	9.283 428
Multipette adapter for the pipettor carousel			1	9.283 656

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1 2 Pipette tips, Biopur® Combitips®

For RNase-, DNA-, ATP- and pyrogen-free work.
 - continuous quality control by independent laboratory
 - can be supplied with a batch-related quality certificate upon request

Eppendorf AG

The Eppendorf Biopur seal stands for the highest biological purity. Eppendorf Biopur disposable products are guaranteed sterile, pyrogen-free, RNase-free, DNA-free and ATP-free. They therefore meet the highest requirements in the medical, pharmaceutical and food industries, in PCR technology, molecular biology and cell technology. This new dimension of purity is made possible because of a production process that is comprehensively automated through all of the manufacturing stages up to the end product and that excludes contamination with biological substances. Biopur Combitips, individually blister packed in outer cases of 100.

2


Type	Minimum Interval (µl)	Maximum Interval (µl)	PK	Cat. No.
0.1ml	1	20	100	9.283 640
0.2ml	2	40	100	9.283 641
0.5ml	5	100	100	9.283 642
1ml	10	200	100	9.283 643
1.25ml	25	125	100	9.283 502
2.5ml	25	500	100	9.283 644
5ml	50	1000	100	9.283 645
10ml	100	2000	100	9.283 646
25ml	250	5000	100	9.283 649
12.5ml	250	1250	100	9.283 505
50ml	500	10000	100	9.283 647
25ml adapter Biopur® for Combitips®, individually blister-packed			7	9.283 652
50ml adapter Biopur® for Combitips®, individually blister-packed			7	9.283 650

3

3 Manual repetitive pipette HandyStep® S
NEW!

HandyStep® S - the repetitive pipette for any occasion!

BRAND

Ideal for routine or research applications in diagnostics, molecular biology, environmental analysis, and many more. HandyStep® S and PD-tips work on the direct displacement principle. This offers the highest-precision dispensing of liquid media with high viscosity, high density, or high vapor pressure. Direct displacement permits contamination-free operation, since no aerosols are formed.

More data and facts:

- increased chemical resistance through innovative plastic materials
- easy tip mounting - PD-tip is now simply inserted from below
- dispensed volume range from 2 µl to 5ml
- up to 49 dispensing steps
- weighs only 108g
- suitable for use with BRAND PD-tips, Encode™ tips, Repet tips, Combitips®, Combitips® plus and other compatible dispenser tips
- CE- IVD -compliant

Items supplied

HandyStep® S, conformity-certified, with serial number, performance certificate, operating manual, shelf/rack mount, 3 PD-Tips: 0.1ml, 1ml and 10ml.

Type	PK	Cat. No.
HandyStep® S incl. rack holder	1	9.280 944
Rack holder for HandyStep® S	1	9.280 945

1 Manual repetitive pipette HandyStep® electronic

Microprocessor-controlled manual repetitive pipette for fatigue-free use, serial dispensing in a wide range of applications. Ergonomic shape permits comfortable use and provides uniform precision, independent of user influence.

BRAND

- automatic size recognition of new Brand PD tips with piston coding
- can be used with most other commercial dispenser tips
- variable volume setting between 1µl and 50ml
- LCD readout of volume, number of dispensing steps and aspirating/dispensing speed
- functions: dispensing, auto dispensing, pipetting with continuously variable volume
- innovative recharging dock concept reduces downtimes
- user-friendly, intuitive menu system
- auto dispensing with learning feature (average speed of first three dispensings memorized, then used for subsequent procedures during session)
- CE marked according to IVD 98/79 EG.
- NiMH battery pack can be recharged when fitted or separately.



Type	PK	Cat. No.
HandyStep® electronic, incl. NiMH battery pack, charging dock and 230V 50Hz power adapter with continental European plug*	1	9.284 040

*Other adapters (UK/Ireland, USA/Japan or Australia) are available on request.

Pipettors, positive displacement, stepper type, HandyStep® electronic

HandyStep® electronic with PD-Tip	Capacity	Subdivision	Accuracy (Nom. capacity ≤ ± %) 100 % / 50% / 10 % / 1%	Reproducibility (Nom. capacity ≤ %) 100 % / 50% / 10 % / 1%
0.1ml	1µl - 100µl	0.1µl	1.0 / 1.2 / 1.6 / 16	0.5 / 1.0 / 2.0 / 12
0.5ml	5µl - 100µl	0.1µl	0.9 / 0.9 / 0.9 / 9	0.25 / 0.5 / 1 / 6
	100µl - 500µl	1µl		
1.25ml	12.5µl - 100µl	0.5µl	0.6 / 0.9 / 0.9 / 8	0.15 / 0.3 / 0.6 / 3.5
	100µl - 1000µl	1µl		
	1 ml - 1.25 ml	10µl		
2.5ml	25µl - 1000µl	1µl	0.5 / 0.8 / 0.8 / 8	0.1 / 0.2 / 0.4 / 2.5
	1 ml - 2.5 ml	10µl		
5.0ml	50µl - 1000µl	1µl	0.5 / 0.8 / 0.8 / 8	0.08 / 0.15 / 0.3 / 1.5
	1 ml - 5 ml	10µl		
12.5ml	125µl - 1000µl	5µl	0.4 / 0.5 / 0.5 / 5	0.08 / 0.15 / 0.25 / 1.25
	1 ml - 10 ml	10µl		
	10 ml - 12.5 ml	100µl		
25ml	250µl - 10 ml	10µl	0.3 / 0.3 / 0.3 / 3	0.08 / 0.15 / 0.25 / 1.25
	10 ml - 25 ml	100µl		
50ml	500µl - 10 ml	10µl	0.3 / 0.3 / 0.3 / 3	0.08 / 0.15 / 0.25 / 1.25
	10 ml - 50 ml	100µl		

Tolerances according to ISO 8655.

2 Accessories for pipettors, positive displacement, stepper type, HandyStep® electronic

BRAND

Type	PK	Cat. No.
European plug, 230 V 50 Hz power supply only*	1	9.284 041
Charging dock only, without power supply	1	9.284 042
NiMH battery pack, spare	1	9.284 043

* Other power supplies on request.



3 Adapters

Adapters for 25ml and 50ml PD tips.

BRAND

Type	PK	Cat. No.
Adapter, non-sterile	10	9.280 942
Adapter, sterile*	5	9.280 943

* Individually packed.





1 Precision Dispenser Tips for Stepper Pipettors



The Plastibrand® PD-Tips with patented size encoding are the ideal system component for the HandyStep® electronic (with automatic tip size recognition), HandyStep® S and HandyStep® from Brand. They can be used also with compatible, third-party dispensing systems. The automatic size detection option is available with HandyStep® electronic, Gilson® Repetman®, and Rainin AutoRep™ E. In addition, PD-Tips can be used with HandyStep®, HandyStep® S, Rainin AutoRep™ M, Eppendorf® Multipette® 4780 and EDOS® 5221 among others.

BRAND

PD-Tips are Conformity-certified, comply with ISO 8655 requirements and come with a batch certificate. CE-marked according to IVD-Directive 98/79 EC.

PD-Tips are available in 10 different sizes from 0.1ml to 50ml. They are available non-sterile, sterile/endotoxin-free (individually wrapped), as well as in Bio-Cert® quality (available on request). Bio-Cert® products are free from DNA, RNase and ATP. Quality control is conducted at an independent, accredited test laboratory. A batch-related certificate will be provided. For 25 and 50ml tips, an adapter is required and is included.

Capacity ml	Type	PK	Cat. No.
0.10	non-sterile	100	9.280 923
0.50	non-sterile	100	9.280 928
1.00	non-sterile	100	4.007 854
1.25	non-sterile	100	9.280 930
2.50	non-sterile	100	9.280 932
5.00	non-sterile	100	9.280 934
10.00	non-sterile	100	4.007 855
12.50	non-sterile	100	9.280 936
25.00	non-sterile	50	9.280 938
50.00	non-sterile	25	9.280 940
0.10	sterile, endotoxin free	100	9.280 924
0.50	sterile, endotoxin free	100	9.280 929
1.00	sterile, endotoxin free	100	4.007 856
1.25	sterile, endotoxin free	100	9.280 931
2.50	sterile, endotoxin free	100	9.280 933
5.00	sterile, endotoxin free	100	9.280 935
10.00	sterile, endotoxin free	100	4.007 857
12.50	sterile, endotoxin free	100	9.280 937
25.00	sterile, endotoxin free	25	9.280 939
50.00	sterile, endotoxin free	25	9.280 941
0.10	sterile, Bio-Cert®	100	6.229 625
0.50	sterile, Bio-Cert®	100	7.615 367
1.00	sterile, Bio-Cert®	100	4.007 858
1.25	sterile, Bio-Cert®	100	6.207 277
2.50	sterile, Bio-Cert®	100	9.409 653
5.00	sterile, Bio-Cert®	100	6.206 732
10.00	sterile, Bio-Cert®	100	4.007 859
12.50	sterile, Bio-Cert®	100	6.206 733
25.00	sterile, Bio-Cert®	25	9.409 656
50.00	sterile, Bio-Cert®	25	6.224 557



2 Manual step dispenser, ripette®

Ritter ripette® is a very comfortable device for hand dispensing of long series. A special technical mechanism guarantees the precision of all selected dosage volumes: 1 to 5000µl.

Ritter GmbH

Product advantages:

- Chart with dosage setting volumes incorporated into each dispenser.
- Lightweight (approx. 100g)
- Easy-to-use adjustment dial for the selection of dosage volume and the number of steps
- No mechanical parts that wear out, no maintenance

Description	PK	Cat. No.
ripette® with 25/50ml adaptor	1	9.284 190

Manual step dispenser, ripette® genX

Ritter GmbH

Selecting the aliquots with the digital display and dispensing with high accuracy. An extremely ergonomic design allows almost every aliquot to be dispensed in just one step.

- self-controlled tip-selection
- speed adjustment
- unbeatable accuracy and precision due to DC-motor
- electronic tip ejection
- the charging process also during the dispensing mode possible

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9.284 206

Description	PK	Cat. No.
Comfort-Set ripette® genX with euro a.c. adapter and stand	1	9.284 206 1
ripette® genX mit Euro AC-Adapter	1	9.284 202

Accessories for manual step dispenser, ripette® genX

Description	PK	Cat. No.
Euro AC-Adapter for ripette® genX	1	9.284 203
Stand with loading function ripette® genX	1	9.284 204
Spare batterie ripette® genX	1	9.284 205

2 Dispenser tips ritips® professional

New generation of Ritter dispenser tips in 9 newly designed sizes, standard and bioclean® (sterile). Suitable for use together with Ritter ripette®, Multipette® 4780, HandyStep®, Minilab 100/1001, Stepmate, EasyStep, Distriman®, Multipette® plus* and HandyStep® electronic. Dosage volumes for use with Multipette® plus and other compatible systems are printed on each box. CE-marking according to IVD-directive 98/79 EG on each box.

Ritter GmbH

Type	PK	Cat. No.
0.1 ml / Standard	100	9.284 191
0.2 ml / Standard	100	9.284 192
0.5 ml / Standard	100	9.284 193
1.0 ml / Standard	100	9.284 194
2.5 ml / Standard	100	9.284 195
5.0 ml / Standard	100	9.284 196
10.0 ml / Standard	100	9.284 197
25.0 ml / Standard	25	9.284 198
50.0 ml / Standard	25	9.284 199
Tip-Mix, standard**	100	9.284 200
Adapter for 25 ml and 50 ml Tips	1	9.284 201
0.1 ml / sterile	100	9.284 210
0.2 ml / sterile	100	9.284 211
0.5 ml / sterile	100	9.284 212
1.0 ml / sterile	100	9.284 213
2.5 ml / sterile	100	9.284 214
5.0 ml / sterile	100	9.284 215
10.0 ml / sterile	100	9.284 216
25.0 ml / sterile	25	9.284 217
50.0 ml / sterile	25	9.284 218

* When used with Multipette® plus the display is inoperative. Electronic tip recognition suppressed.

** Tip-mix consists of 20 x 0.5ml, 20 x 1.0ml, 20 x 2.5ml, 20 x 5.0ml and 20 x 10.0ml sizes.



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1 Dispenser tips, ritips®

Precision dispenser tips by Ritter in 8 sizes standard and bioclean® (sterile). Suitable for use together with Ritter ripette®, Multipette® 4780, HandyStep®, Minilab 100/101, Stepmate, EasyStep, Distriman® and HandyStep® electronic. CE-marking according to IVD-directive 98/79 EG on each box. Ritter GmbH

Type	PK	Cat. No.
0.05 ml / standard	100	9.284 220
0.5 ml / standard	100	9.284 221
1.25 ml / standard	100	9.284 222
2.5 ml / standard	100	9.284 223
5.0 ml / standard	100	9.284 224
12.5 ml / standard	100	9.284 225
25.0 ml / standard	25	9.284 226
50.0 ml / standard	25	9.284 227
0.05 ml / sterile	100	9.284 237
0.5 ml / sterile	100	9.284 230
1.25 ml / sterile	100	9.284 231
2.5 ml / sterile	100	9.284 232
5.0 ml / sterile	100	9.284 233
12.5 ml / sterile	100	9.284 234
25.0 ml / sterile	25	9.284 235
50.0 ml / sterile	25	9.284 236



2 Pipettors, positive displacement, variable, repeating, Stepper™ 411

Highly comfortable pipette, intended for reliable repeat dispensing from 10 to 5000µl. Socorex
 Unique trigger action mechanism eliminates thumb fatigue. Selected materials ensure reliability in use, day after day. Compact shape greatly limits internal instrument contamination. Wide selection between 53 different volumes; up to 73 doses per filling. Two-year warranty.

Product advantages

- 4-finger activation
- setting knobs bear clear indication of volumes and number of aliquots
- three positive displacement syringes, colour coded
- self-locking mechanism
- clear setting indication

Description	PK	Cat. No.
Stepper™ 411 supplied with colour-coded adjustment knobs, adapter, samples of Ecostep syringes	1	9.411 561
Spare PVC workstation	1	9.411 567
Spare adapters for 37.5ml (red) Ecostep syringe tips	5	9.411 568



3 Syringe tips, Ecostep

Individually wrapped sterile, or loose-packed non-sterile. Socorex

Type	PK	Cat. No.
Non-sterile, 0.75ml, 10 to 100 µl	100	9.411 509
Sterile, 0.75ml, 10 to 100 µl	100	9.411 510
Non-sterile, 3.75ml, 50 to 500 µl	100	9.411 511
Sterile, 3.75ml, 50 to 500 µl	100	9.411 512
Non-sterile, 37.5ml, 500 to 5000 µl	100	9.411 513
Sterile, 37.5ml, 500 to 5000 µl	100	9.411 514

1 Self-filling syringes Dosys™

NEW!

Socorex

- Optimal hand balance and ergonomics
- Fast and reliable volume setting
- Excellent reproducibility
- Plunger tightness without O-ring
- High chemical resistance
- Fully autoclavable at 121°C/250°F
- Self-refilling automatic

Dosys™ classic 162/172

- Fill-by-fill (automatic) through needle or cannula
- Supplied without valve system
- Luer Lock nozzle

Package includes syringe, PVC protection sleeve and operating instructions.

Dosys™ classic 163/173

- Integrated valve system
- Luer Lock nozzle

Package includes syringe, one meter silicone feed tube, sinker, PVC protection sleeve, aspiration and vent cannulas, set of spare for valve, operating instructions.

Dosys™ premium 164/174

- Detachable valve system
- Enhanced corrosion resistance
- Luer Lock nozzle

Package includes syringe, one meter silicone feed tube, sinker, PVC protection sleeve, aspiration, vent and dosing cannulas, set of spare for valve, operating instructions.

Further Self-filling syringes available on request.

Type	Capacity ml	Valve	With	PK	Cat. No.
Dosys™ basic 162	0.5 to 5	without	2-ring handle	1	6.229 740
Dosys™ classic 163	0.3 to 2	integrated	2-ring handle	1	6.206 201
Dosys™ premium 164	0,3 to 2	detachable	2-ring handle	1	6.204 472
Dosys™ premium 164	1 to 10	detachable	2-ring handle	1	6.224 207
Dosys™ basic 172	0.1 to 1	without	pistol grip	1	9.411 524
Dosys™ basic 172	0.3 to 2	without	pistol grip	1	9.411 525
Dosys™ basic 172	0.5 to 5	without	pistol grip	1	9.411 526
Dosys™ basic 172	1 to 10	without	pistol grip	1	9.411 527
Dosys™ classic 173	0.1 to 1	integrated	pistol grip	1	6.205 165
Dosys™ classic 173	0.5 to 5	integrated	pistol grip	1	6.231 686
Dosys™ classic 173	1 to 10	integrated	pistol grip	1	6.230 535
Dosys™ classic 173	5 to 20	integrated	pistol grip	1	7.630 775
Dosys™ premium 174	0.1 to 1	detachable	pistol grip	1	9.411 520
Dosys™ premium 174	0.3 to 2	detachable	pistol grip	1	9.411 521
Dosys™ premium 174	0.5 to 5	detachable	pistol grip	1	9.411 522
Dosys™ premium 174	1 to 10	detachable	pistol grip	1	9.411 523

2 LLG-Bottletop dispenser

NEW!

- Definitely the best choice to provide high precision with consistent delivery. Reliable measuring results with bubble-free dispensing.
- Individually calibrated in accordance with ISO 8655 standards and each unit is supplied with an individual calibration certificate.
- Highest degree of chemical resistance is provided due to the use of high quality materials in contact with dispensed liquids.
- Springless PTFE valve manifold ensures excellent chemical compatibility and leak proof valve functioning reproductibility.
- Specially designed PTFE piston with silicone O-ring ensures smooth, effortless piston movement.
- Dosing cylinder is protected against breaking by a polypropylene sleeve which prevents any glass splitting in case of any accidental breaking.
- The telescopic extractable intake tube can be adjusted easily and smoothly to the varying heights of the bottles.
- Nozzle cap reduces contact with air and prevents drying. No drips when the tip cover is attached.
- Each dispenser comes with five adaptors to fit in most of the laboratory reagent bottles.

Quick volume settings with the practical sets screw. After loosening the locking screw, desired volume can be set, then locking screw is fixed.

Capacity ml	Grad. ml	PK	Cat. No.
0,3 - 2,5	0.05	1	9.284 180
0,5 - 5	0.10	1	9.284 181
1,0 - 10	0.20	1	9.284 182
2,5 - 30	0.50	1	9.284 183
5,0 - 60	1.00	1	9.284 184
10,0 - 100	2.00	1	9.284 185





1 Dispensers, bottle-top, POLYFIX®

NEW!

Poulten & Graf

For dispensing of all chemicals, where polypropylene is resistant. With vacuum calibrated, glass dispensing barrel. Valve block not detachable for safety reasons.

- conformity-certified
- ergonomically designed plunger handle for comfortable operation
- user-friendly, volume setting with easy movement and rotatable fine adjustment
- PP valve block (GL32) with FIX adapter which aligns the dispenser on the bottle.

Not suitable for solvents.

Supplied with 2 x PP bottle adapters (GL40 and GL45).

Description	Capacity	Grad.	PK	Cat. No.
	ml	ml		
with glass piston and clear glass cylinder*	2 to 10	0.20	1	9.283 800
with glass piston and clear glass cylinder*	10 to 50	1.00	1	9.283 810
with PTFE-coated piston and clear glass cylinder**	2 to 10	0.20	1	9.283 801
with PTFE-coated piston and clear glass cylinder**	10 to 50	1.00	1	9.283 802
with glass piston and amber dosing cylinder***	2 to 10	0.20	1	9.283 803
with glass piston and amber dosing cylinder***	10 to 50	1.00	1	9.283 804

* For dosing of aqueous media

**For dosing of acids and bases

***For dispensing light sensitive liquids



2 Dispensers, bottle-top, FORTUNA® OPTIFIX® BASIC

Poulten & Graf

For problem-free dispensing of aqueous media and acids as well as solutions subject to

crystallization. With solid, PTFE-sleeved dispensing piston, highly polished, 100%

corrosion-free, vacuum calibrated, plastic-coated, precision glass cylinder (visible dispensing process). Stopper ring made of fibre-glass reinforced, PTFE. Black-graduated, dispensing cylinder. PTFE valve block (no metal springs to contaminate the dispensed liquid). With colour-coded handle inscriptions. Autoclavable.

Items supplied:

Dispenser without reservoir bottle, PTFE suction and discharge tubes and two PP bottle adapters (GL40 and GL45). Conformity-certified, with precision certificate.

Type	Capacity	Grad.	Accuracy ≤ ± A% (max. vol.)	Reproducibility ≤ ± V% (max. vol.)	PK	Cat. No.
	ml	ml				
Basic-27	0.4 to 2	0.1	0.6	0.2	1	9.287 902
Basic-33	1 to 5	0.1	0.6	0.2	1	9.287 903
Basic-38	2 to 10	0.2	0.6	0.2	1	9.287 904
Basic-44	6 to 30	0.5	0.6	0.2	1	9.287 905
Basic-48	10 to 50	1.0	0.6	0.2	1	9.287 906
Basic-51	20 to 100	2.0	0.6	0.2	1	9.287 907
Basic-53	40 to 200	5.0	0.6	0.2	1	9.287 908
Basic-56*	60 to 300	5.0	0.6	0.2	1	9.287 909
Basic-58*	100 to 500	5.0	0.6	0.2	1	9.287 951

*not included in ISO 8655/5



3 Dispensers, bottle-top, FORTUNA® OPTIFIX® SAFETY

Poulten & Graf

For strong acids (excl. HF) and aggressive chemicals. Visible dispensing process,

dispensing piston made of PTFE-sleeved, solid glass, with additional sealing lip at the end of

the piston to prevent acid fumes and odours from escaping. No metal springs in the valve block (no contamination of the dispensed liquid). With colour-coded handle inscriptions.

Items supplied:

Dispenser without reservoir bottle, 1 discharge tube, incl. 2 PTFE-adapters (GL 40+45), 1 PTFE suction tube.

Type	Capacity	Grad.	Accuracy ≤ ± A% (max. vol.)	Reproducibility ≤ ± V% (max. vol.)	PK	Cat. No.
	ml	ml				
Safety-27	0.4 to 2	0.1	0.6	0.2	1	9.287 962
Safety-33	1 to 5	0.1	0.6	0.2	1	9.287 963
Safety-38	2 to 10	0.2	0.6	0.2	1	9.287 964
Safety-44	6 to 30	0.5	0.6	0.2	1	9.287 965
Safety-48	10 to 50	1.0	0.6	0.2	1	9.287 966
Safety-51	20 to 100	2.0	0.6	0.2	1	9.287 967

1 Dispensers, bottle-top, FORTUNA® OPTIFIX® SAFETY S

Bottle-top dispensers for dispensing strong fuming acids and very aggressive liquids, with safety stopcock and additional safety valve in the ventilation tube, with PTFE-encased dispensing piston with sealing lip, FIX adaptor made of solid PTFE, comes with 2 x PTFE GL40/GL45 adapters and PTFE inlet tube. *Poulten & Graf*

Type	Capacity	Grad.	Accuracy ≤ ± A% (max. vol.)	Reproducibility ≤ ± V% (max. vol.)	PK	Cat. No.
	ml	ml				
Safety S-27	0.4 to 2	0.1	0.6	0.2	1	6.206 600
Safety S-33	1 to 5	0.1	0.6	0.2	1	6.227 942
Safety S-38	2 to 10	0.2	0.6	0.2	1	9.287 995
Safety S-44	6 to 30	0.5	0.6	0.2	1	9.287 996
Safety S-48	10 to 50	1.0	0.6	0.2	1	9.287 997
Safety S-51	20 to 100	2.0	0.6	0.2	1	9.287 998



2 Dispensers, bottle-top, FORTUNA® OPTIFIX® SOLVENT

For organic solvents and liquid compounds that may swell PTFE. With vacuum calibrated, glass dispensing barrel and precision glass piston. Barrel graduated in black. Visible dispensing. PTFE valve block (GL32). With colour-coded plunger handles. Autoclavable. *Poulten & Graf*

Items supplied:

Dispenser without reservoir bottle, PTFE suction and discharge tubes and two PP bottle adapters (GL40 and GL45). Conformity-certified, with precision certificate.

Suitable bottles may be found in the Bottles section.

Type	Capacity	Grad.	Accuracy ≤ ± A% (max. vol.)	Reproducibility ≤ ± V% (max. vol.)	PK	Cat. No.
	ml	ml				
SOLVENT-27	0.4 to 2	0.10	0.6	0.2	1	9.287 953
SOLVENT-33	1 to 5	0.10	0.6	0.2	1	9.287 954
SOLVENT-38	2 to 10	0.20	0.6	0.2	1	9.287 955
SOLVENT-44	6 to 30	0.50	0.6	0.2	1	9.287 956
SOLVENT-48	10 to 50	1.00	0.6	0.2	1	9.287 957
SOLVENT-51	20 to 100	2.00	0.6	0.2	1	9.287 958
SOLVENT-53	40 to 200	5.00	0.6	0.2	1	9.287 959
SOLVENT-56	60 to 300*	5.00	0.6	0.2	1	9.287 960
SOLVENT-58	100 to 500*	5.00	0.6	0.2	1	9.287 961

* in addition to ISO 8655



3 Dispensers, bottle-top, FORTUNA UNIVERSAL® OPTIFIX® HF

With solid PTFE dispensing barrel and glass-cored, PTFE coated plunger with seal (prevents acid vapours escaping from the storage bottle). With colour-coded plunger handles. *Poulten & Graf*

Items supplied:

Hydrofluoric acid dispenser without reservoir bottle, with PTFE valve block (GL32), PTFE suction and discharge tubes and two PTFE bottle adapters (GL40 and GL45).

Type	Capacity ml	PK	Cat. No.
HF-33	1 to 5	1	9.287 970
HF-38	2 to 10	1	9.287 968
HF-44	6 to 30	1	9.287 969
HF-48	10 to 50	1	6.241 198





1 Dispensers, bottle-top, ceramus®-classic

With ceramic pistons. High precision, bottle-top dispensers adjustable in fixed steps for the reproducible dispensing of liquids. With patented, high-purity, alumino-ceramic pistons and highly polished, DURAN® glass cylinders, guaranteeing continual durability and precision.

Hirschmann

- no surface abrasion
- no sticking due to plastic swelling
- no thermal expansion problems

Ratchet adjustment mechanism prevents accidental adjustment of the set volume. When not in use the pistons can be locked and the delivery tubes capped to prevent loss of reagent. The glass cylinders are encased in plastic for added safety and have a window for viewing the contents. Autoclavable up to max. 121°C/2bar.

- inlet and outlet valves are easily replaced
- fully supported delivery jet prevents 'side fling' of reagent
- screw-fixed, inlet suction tube
- supplied with one each A28, A45, S40 (Merck flasks) to fit most types of reagent bottle, suction tube with swivel nut, outlet jet and valve spanner.
- Works calibrated volume certificate with serial number and 12-month manufacturer's guarantee. Without reservoir bottle.
- High-grade materials (ECTFE, DURAN® glass, FEP) are used throughout.

Capacity	Graduations	Accuracy ≤ ± A% (max. vol.)	Reproducibility ≤ ± V% (max. vol.)	PK	Cat. No.
ml	ml				
0.2 to 1	0.05	0.6	0.2	1	9.287 831
0.4 to 2	0.05	0.6	0.1	1	9.287 832
1 to 5	0.10	0.6	0.1	1	9.287 833
2 to 10	0.25	0.6	0.1	1	9.287 834
5 to 30	0.50	0.6	0.1	1	9.287 835
10 to 60	1.00	0.6	0.1	1	9.287 836

R* = Accuracy, CV* = Variation coefficient.



2 Dispensers, bottle-top, ceramus®

New dispenser technology from Hirschmann laboratory apparatus, with ceramic pistons. ceramus® are a high-precision, bottle-top dispenser range for almost all liquids.

Hirschmann

- Environmentally-friendly, reagent-saving, recirculation valves
- Tough, ceramic pistons
- Simple, self-locking volume selection
- When not in use, pistons can be locked and delivery tubes capped to prevent loss of reagent.
- Fixed interval graduations give excellent reproducibility
- 45mm screw neck and adapters supplied allow use with a variety of reservoir bottles
- Smooth-action piston minimises operator fatigue during serial dispensing
- High-grade construction materials provide long operational life
- 12-month manufacturer's guarantee

Type	Capacity	Grad.	Accuracy ≤ ± A% (max. vol.)	Reproducibility ≤ ± V% (max. vol.)	PK	Cat. No.
	ml	ml				
Variable	0.2 to 1.0	0.05	0.6	0.2	1	9.287 800
Variable	0.4 to 2.0	0.05	0.6	0.1	1	9.287 801
Variable	1.0 to 5.0	0.1	0.6	0.1	1	9.287 802
Variable	2.0 to 10.0	0.25	0.6	0.1	1	9.287 803
Variable	5.0 to 30.0	0.5	0.6	0.1	1	9.287 804
Variable	10.0 to 60.0	1.0	0.6	0.1	1	9.287 805
Fixed	1.0	-	0.5	0.2	1	9.287 806
Fixed	2.0	-	0.5	0.1	1	9.287 807
Fixed	5.0	-	0.5	0.1	1	9.287 808
Fixed	10.0	-	0.5	0.1	1	9.287 809
Fixed	25.0	-	0.5	0.1	1	9.287 815
Fixed	50.0	-	0.5	0.1	1	9.287 816



3 Bottle holder for Dispensers, bottle-top, ceramus®

Suitable for all bottles up to diam. approx. 75 up to 120mm.

Hirschmann

Description	PK	Cat. No.
Bottle holder	1	9.287 820

1 Bottle-top dispenser Dispensette®

BRAND

The Dispensette® bottle-top dispenser has proven itself the world over with its wide range of practical applications. It has been continuously improved over decades to meet the increasing demands of the laboratory.

Brand offers four different models of Dispensette®:

- Dispensette® III: the approved dispenser for acids, alkalies, hydrochloric acids and many other organic solutions.
 - Dispensette® Organic: especially for dispensing organic solvents and acids.
 - Dispensette® HF: especially for dispensing hydrofluoric acid (HF).
 - Dispensette® TA: Trace Analysis for the dispensing of high-purity chemicals
- (A detailed chemical compatibility chart is available to download from the supplier's website.)

The Dispensette® is available in different types:

Dispensette® 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.

Dispensette® Analog-adjustable:

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

Dispensette® Fixed-volume:

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

In general every Dispensette® offers:

- SafetyPrime™ recirculation valve (optional) reduces risk of splashes caused by air bubbles during instrument priming and permits recirculation during priming to avoid reagent waste.
- The integrated safety discharge system reduces the risk of inadvertent dispensing and splashes if discharge tube is improperly installed or missing.
- Discharge tube safety screw cap protects against reagent contact and is easy to attach and remove, even while wearing gloves.
- To allow the bottle label to face the user, the valve block can be rotated 360°.
- Telescoping filling tube adjusts easily to different size bottles - without measuring or cutting.
- The minimal force needed to operate the floating piston makes serial dispensing convenient and effortless.
- Easy to dismantle for cleaning and replaceable filling valves.
- Conformity certified
- Easy to calibrate and adjust in order to comply with ISO 9001 and GLP guidelines.
- Autoclavable (121°C)

Items supplied: Dispensette®, conformity certified and supplied with performance certificate, discharge tube, telescopic filling tube, SafetyPrime™ recirculation valve (optional), mounting tool and adapters of PP.





1 Bottle-top dispensers, seripettor®/seripettor® pro

The economy dispensers for routine dispensing

BRAND

The seripettor® and seripettor® pro are innovative bottle-top dispensers 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 easily, without tools. Eliminating expensive repairs!

- low-cost replaceable dispensing cartridge with wiping seal. One spare dispensing cartridge included.
- semi-automatic dispensing. The spring loaded piston refills the cylinder after dispensing.
- volume setting. Toothed setting track allows quick and precise adjustment of desired volume.
- disassembles without tools. All parts can be replaced quickly. The innovative design of seripettor®/seripettor® pro makes cleaning and maintenance easy
- fits most bottles

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 such as essential oils.

Items supplied

Discharge tube, filling tube, spare dispensing cartridge and adapters, PP (GL45/32 and GL45/S40).

Type	Capacity ml	Grad. ml	Accuracy ≤ ± A% (max. vol.)	Reproducibility ≤ ± V% (max. vol.)	PK	Cat. No.
seripettor®	0.2 to 2	0.04	1.2	0.2	1	9.284 849
seripettor®	1 to 10	0.2	1.2	0.2	1	9.284 850
seripettor®	2.5 to 25	0.5	1.2	0.2	1	9.284 851
seripettor® pro	0.2 to 2	0.04	1.2	0.2	1	9.284 854
seripettor® pro	1 to 10	0.2	1.2	0.2	1	9.284 852
seripettor® pro	2.5 to 25	0.5	1.2	0.2	1	9.284 853

* End test values relate to the nominal values (= max. volume) printed on the dispenser when the temperature (20°C) of the device, environment and distilled water is uniform, and when operated smoothly.



2 Bottle-top dispenser Dispensette® III

Dispensette® III, fixed volume, conformity certified.

BRAND

Further fixed volume dispensers (from 0.5 up to 100ml) are available on request.

Capacity ml	Accuracy ≤ ± A% (max. vol.)	± µl	Reproducibility ≤ ± V% (max. vol.)	± µl	Recycle valve	PK	Cat. No.
1	0.5	5	0.1	1	with	1	9.284 441
2	0.5	10	0.1	2	with	1	9.284 445
5	0.5	25	0.1	5	with	1	9.284 451
10	0.5	50	0.1	10	with	1	9.284 455
1	0.5	5	0.1	1	without	1	9.284 440
2	0.5	10	0.1	2	without	1	9.284 444
5	0.5	25	0.1	5	without	1	9.284 450
10	0.5	50	0.1	10	without	1	9.284 454



1 Bottle-top Dispenser Dispensette® III, Analog-adjustable

The wide range of Dispensette® dispensers provides premium dispensing options for the complete spectrum of liquid reagents. Dispensette® III (red color-code): For dispensing aggressive reagents, including concentrated acids such as H₃PO₄, H₂SO₄, bases like NaOH, KOH, saline solutions, as well as many organic solvents - directly from the supply bottle.

BRAND

Fast volume adjustment with analog slide. Simple calibration adjustment with supplied tool. A positive indicator automatically indicates adjustment from factory settings. The Dispensette® is easy for dismantle for cleaning, has replaceable filling valves and is autoclavable at 121°C. The parts of the Dispensette® III which are in contact with medium consists of the following high-grade materials: borosilicate glass, ceramic, platinum-iridium, ETFE, FEP and PFA. The discharge tube safety screw cap is PP. Operating limits: vapor pressure max. 500 mbar, viscosity max. 500mm²/s, temperature max. 40°C, density max. 2.2g/cm³.

Items supplied with: Each Dispensette® is conformity certified and supplied with performance certificate, discharge tube, telescoping filling tube, SafetyPrime(TM) recirculation valve (optional), mounting tool and adapters of polypropylene .

Capacity	Grad.	Accuracy ≤ ± A% (max. vol.)	± µl	Reproducibility ≤ ± V% (max. vol.)	± µl	Recycle valve	PK	Cat. No.
ml	ml							
0,05 - 0,5	0,01	1,0	5	0,2	1	without	1	9.284 404
0,05 - 0,5	0,01	1,0	5	0,2	1	with	1	9.284 405
0,2 - 2	0,05	0,5	10	0,1	2	without	1	9.284 410
0,2 - 2	0,05	0,5	10	0,1	2	with	1	9.284 411
0,5 - 5	0,10	0,5	25	0,1	5	without	1	9.284 414
0,5 - 5	0,10	0,5	25	0,1	5	with	1	9.284 415
1 - 10	0,20	0,5	50	0,1	10	without	1	9.284 420
1 - 10	0,20	0,5	50	0,1	10	with	1	9.284 421
2,5 - 25	0,50	0,5	125	0,1	25	without	1	9.284 424
2,5 - 25	0,50	0,5	125	0,1	25	with	1	9.284 425
5 - 50	1,00	0,5	250	0,1	50	without	1	9.284 430
5 - 50	1,00	0,5	250	0,1	50	with	1	9.284 431
10 - 100	1,00	0,5	500	0,1	100	without	1	9.284 434
10 - 100	1,00	0,5	500	0,1	100	with	1	9.284 435



2 Bottle-top dispensers, Dispensette® Organic Fix

Further fixed volume dispensers (from 2 up to 100ml) are available on request.

BRAND

Capacity	Accuracy ≤ ± A% (max. vol.)	± µl	Reproducibility ≤ ± V% (max. vol.)	± µl	Recycle valve	PK	Cat. No.
ml							
5	0.5	25	0.1	5	without	1	9.284 088
5	0.5	25	0.1	5	with	1	9.284 089
10	0.5	50	0.1	10	without	1	9.284 092
10	0.5	50	0.1	10	with	1	9.284 093



1 Bottletop Dispenser Dispensette® Organic, Analog-adjustable

BRAND

The wide range of Dispensette® dispensers provides premium dispensing options for the complete spectrum of liquid reagents. Dispensette® Organic (yellow color-code): ideal for dispensing of organic solvents including chlorinated and fluorinated hydrocarbons (e.g., trichlorotrifluoroethane and dichloromethane), concentrated acids (e.g., HCl and HNO₃), trifluoroacetic acid (TFA), tetrahydrofuran (THF) and peroxides.

Fast volume adjustment with analog slide. Simple calibration adjustment with supplied tool. Alteration of factory setting is automatically indicated by a red recalibration flag. The Dispensette® is easy for dismantle for cleaning, has replaceable filling valves and is autoclavable at 121°C. The parts of the Dispensette® ORGANIC which are in contact with medium consists of the following high-grade materials: borosilicate glass, Al₂O₃-ceramic, tantalum, ETFE, FEP, PFA and PP (discharge tube safety screw cap). Operating limits: vapor pressure max. 500 mbar, viscosity max. 500 mm²/s, temperature max. 40°C, density max. 2.2 g/cm³.

Items supplied with: Each Dispensette® is conformity certified and supplied with performance certificate, discharge tube, telescoping filling tube, SafetyPrime(TM) recirculation valve (optional), mounting tool and adapters of polypropylene.

Capacity	Grad.	Accuracy	± µl	Reproducibility	± µl	Recycle valve	PK	Cat. No.
ml	ml	≤ ± A% (max. vol.)		≤ ± V% (max. vol.)				
0,5 - 5	0,1	0,5	25	0,1	5	without	1	9.284 078
0,5 - 5	0,1	0,5	25	0,1	5	with	1	9.284 082
1 - 10	0,2	0,5	50	0,1	10	without	1	9.284 079
1 - 10	0,2	0,5	50	0,1	10	with	1	9.284 083
2,5 - 25	0,5	0,5	125	0,1	25	without	1	9.284 080
2,5 - 25	0,5	0,5	125	0,1	25	with	1	9.284 084
5 - 50	1,0	0,5	250	0,1	50	without	1	9.284 081
5 - 50	1,0	0,5	250	0,1	50	with	1	9.284 085
10 - 100	1,0	0,5	500	0,1	100	without	1	9.284 086
10 - 100	1,0	0,5	500	0,1	100	with	1	9.284 087



2 Bottle-top dispenser Dispensette® HF

BRAND

The Dispensette® HF (green colour-coded) is specially designed for dispensing hydrofluoric acid (HF), maximum permitted concentration 52%.

The parts in contact with medium are in the following high-quality materials: ceramic, platinumiridium, ETFE, FEP, PFA and PP (discharge tube safety screw cap).

Operating limits: vapour pressure max. 500 mbar, viscosity max. 500 mm²/s, temperature max. 40°C, density max. 3.8 g/cm³.

Capacity	Grad.	Accuracy	± µl	Reproducibility	± µl	PK	Cat. No.
ml	ml	≤ ± A% (max. vol.)		≤ ± V% (max. vol.)			
1 to 10	0.2	0.5	50	0.1	10	1	9.284 400
1 to 10 *	0.2	0.5	50	0.1	10	1	9.284 401

* SafetyPrime™ valve



3 Bottletop Dispenser Dispensette® TA, Analog

NEW!

BRAND

Dispensette® TA provides outstanding performance for precise-volume dispensing of high-purity media for trace analysis. The components of the fluid path are constructed of the highest purity materials, such as PFA, PTFE and sapphire.

- Plastics in contact with media consist of high-purity materials such as PTFE, ETFE, FEP, and PFA.
- The purest sapphire is used for replaceable valves. Depending on the application, platinum-iridium or tantalum are available as spring materials.
- The 45mm standard thread plus the included adapters fit most 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 disassembly for replacement of the dispensing cartridge

Capacity	Material	Grad.	Accuracy	± µl	Reproducibility	± µl	Recycle valve	PK	Cat. No.
ml		ml	≤ ± A% (max. vol.)		≤ ± V% (max. vol.)				
1 to 10	Valve spring: PT/IR	0.2	0.5	50	0.1	10	without	1	4.007 914
1 to 10	Valve spring: PT/IR	0.2	0.5	50	0.1	10	with	1	4.007 915
1 to 10	Valve spring: Tantalum	0.2	0.5	50	0.1	10	without	1	4.007 916
1 to 10	Vavle spring: Tantalum	0.2	0.5	50	0.1	10	with	1	4.007 917

Accessories for Dispensette® TA

Filling valve with sealing washer for Dispensette® TA (sapphire), with sealing.

BRAND

Description	Nominal capacity ml	PK	Cat. No.
Filling valve with sealing washer	10	1	4.007 838

1 Bottle-top dispensers Dispensette® III

Dispensette® III, Easy Calibration, conformity certified.

BRAND

- Dispensette® III offers a broad application range for dispensing aggressive reagents, including strong acids such as H₃PO₄, H₂SO₄, alkaline solutions such as NaOH, KOH, saline solutions as well as a number of organic solvents. For fuming, concentrated HCl and HNO₃ and for trifluoroacetic acid (TFA), tetrahydrofuran (THF), dichloromethane and peroxide we recommend Dispensette® Organic.
- Those components which come into contact with liquids are made of the following high-grade materials: borosilicate glass, ceramic, platinum-iridium, ETFE, FEP, PFA and PP (discharge tube screw cap).
- Restrictions: vapour pressure max. 500 mbar, viscosity max. 500 mm²/s, temperature max. 40°C, min. 4°C, density max. 2.2 g/cm³.



Capacity ml	Grad. ml	Accuracy ≤ ± A% (max. vol.)	± µl	Reproducibility ≤ ± V% (max. vol.)	± µl	Recycle valve	PK	Cat. No.
0.2 to 2	0.01	0.5	10	0.1	2	with	1	9.284 461
0.5 to 5	0.02	0.5	25	0.1	5	with	1	9.284 465
1 to 10	0.05	0.5	50	0.1	10	with	1	9.284 471
2.5 to 25	0.10	0.5	125	0.1	25	with	1	9.284 475
5 to 50	0.20	0.5	250	0.1	50	with	1	9.284 481
0.2 to 2	0.01	0.5	10	0.1	2	without	1	9.284 460
0.5 to 5	0.02	0.5	25	0.1	5	without	1	9.284 464
1 to 10	0.05	0.5	50	0.1	10	without	1	9.284 470
2.5 to 25	0.10	0.5	125	0.1	25	without	1	9.284 474
5 to 50	0.20	0.5	250	0.1	50	without	1	9.284 480

2 Bottle-top dispensers Dispensette® Organic

Dispensette® Organic (colour coded yellow), variable volume, is the ideal device for dispensing solvents, e.g. chlorinated and fluorinated hydrocarbons such as trichlorotrifluoroethane and dichloromethane, or concentrated acids such as fuming HCl and HNO₃, trifluoroacetic acid, tetrahydrofuran and peroxides. For alkaline and saline solutions we recommend Dispensette® III.

BRAND

Components which come into contact with liquid are made of the following high-grade materials: borosilicate glass, ceramic, tantalum, ETFE, FEP, PFA and PP (discharge tube screw cap).
Restrictions: vapour pressure max. 500mbar, viscosity max. 500 mm²/s, temperature max. 40°C, min. 4°C, density max. 2.2 g/cm³.

Dispensette® Organic, Easy Calibration, conformity certified



Capacity ml	Grad. ml	Accuracy ≤ ± A% (max. vol.)	± µl	Reproducibility ≤ ± V% (max. vol.)	± µl	Recycle valve	PK	Cat. No.
0.5 to 5	0.02	0.5	25	0.1	5	without	1	9.284 070
0.5 to 5	0.02	0.5	25	0.1	5	with	1	9.284 074
1 to 10	0.05	0.5	50	0.1	10	without	1	9.284 071
1 to 10	0.05	0.5	50	0.1	10	with	1	9.284 075
2.5 to 25	0.1	0.5	125	0.1	25	without	1	9.284 072
2.5 to 25	0.1	0.5	125	0.1	25	with	1	9.284 076
5 to 50	0.2	0.5	250	0.1	50	without	1	9.284 073
5 to 50	0.2	0.5	250	0.1	50	with	1	9.284 077