

# Dispensers

## Bottle Top Dispensers, Dispensette® S



### Conformity certified to DE-M, with performance certificate

- ◆ Choice of
  - Fixed volume: 2 sizes\* 5ml or 10ml
  - Variable volume: 7 sizes from 0.05ml to 100ml. Continuous volume adjustment by pointer which moves along a ridged track
  - Variable digital: 4 sizes\* from 0.5 to 50ml. Easy to read digital volume display and calibration adjustment
  - Organic: 4 sizes of adjustable volume from 0.5 to 50ml. Ideal for organic solvents including chlorinated and fluorinated hydrocarbons, concentrated acids, TFA (trifluoroacetic acid), THF (tetrahydrofuran) and peroxides
  - TA (Trace Analysis): Adjustable volume 1ml to 10ml, for the dispensing of high-purity media for trace analysis. With sapphire ball valves and platinum-iridium\*\* valve springs suitable for use with acids, including hydrofluoric acid (HF), bases and hydrogen peroxide. The dispensed liquid will have a trace metal content generally in the low ppb or ppt range

\* Other sizes are available - details on request

\*\* Versions with Tantalum valve spring also available - details on request

### Built-in features

- ◆ Calibration adjustment on all models to comply with ISO9001 and GLP requirements
- ◆ DE-M marked (German Measurement and Calibration Regulation, replacing former H mark)
- ◆ Reagents in contact with chemically inert materials only
- ◆ TPX® protective sleeve around the glass cylinder (except model TA) to reduce breakage hazards
- ◆ Safety discharge valve restricts reagent flow when the discharge tube is not secured properly
- ◆ Optional recirculation valve on the discharge tube allows reagent to be channelled back into the reservoir during priming to avoid 'spitting'
- ◆ Multi-layered PFA plunger coating for smoother operation and better chemical resistance
- ◆ Locking sleeve supports full length of discharge tube for stability during dispensing and screwthread safety cap reduces risk of reagent splashing
- ◆ Telescopic, FEP filling tube self-adjusts to the depth of the reservoir bottle
- ◆ Valve block rotatable 360° to allow the reservoir label to be viewed comfortably by facing the user and dispenser fascia and discharge tube can be independently rotated on the reservoir neck for maximum convenience in use
- ◆ All models (except model TA) can be steam sterilised at 121°C (2 bar for 20 minutes)
- ◆ Maximum operating limits: 600mbar pressure, 500mm<sup>2</sup>/sec. viscosity, 40°C temperature and 2.2g/cm<sup>3</sup> dispensed media density



DK101 on a bottle



DK104 on a bottle, DK103 and DK107 are similar



DK106 on a bottle



DK109 on a bottle

# Dispensers



## Bottle Top Dispensers Dispensette® S continued

The figures given for accuracy and reproducibility are final test values referred to maximum volume and distilled water at 20°C.

### Dispensette S, Fixed Volume

Accuracy (A) < ±0.5%, reproducibility (V) < 0.1%. Adjustable calibration. A45 standard neck thread. Supplied with FEP discharge tube and valve as indicated, performance certificate, operating manual, mounting tool, FEP telescopic filling tube and PP bottle adapters as specified in the separate table. Without reservoir bottle.

Volume ml	With standard valve	With recirculation valve
5	<a href="#">DK101-30</a>	<a href="#">DK101-60</a>
10	<a href="#">DK101-40</a>	<a href="#">DK101-65</a>

### Dispensette S, Variable Volume

Accuracy (A) < ±0.5% (for 0.1 to 1ml < 0.6%) reproducibility (V) < 0.1% (for 0.1 to 1ml < 0.2%). Continuous pointer adjustment of volume along a ridged track. Adjustable calibration. A45 standard neck thread. Supplied with FEP discharge tube and valve as indicated, performance certificate, operating manual, mounting tool, FEP telescopic filling tube and PP bottle adapters as specified in the separate table. Without reservoir bottle.

Volume ml	Subdiv. ml	With standard valve	With recirculation valve
0.1 to 1	0.02	<a href="#">DK103-10</a>	<a href="#">DK104-10</a>
0.2 to 2	0.05	<a href="#">DK103-15</a>	<a href="#">DK104-15</a>
0.5 to 5	0.1	<a href="#">DK103-20</a>	<a href="#">DK104-20</a>
1 to 10	0.2	<a href="#">DK103-25</a>	<a href="#">DK104-25</a>
2.5 to 25	0.5	<a href="#">DK103-30</a>	<a href="#">DK104-30</a>
5 to 50	1.0	<a href="#">DK103-35</a>	<a href="#">DK104-35</a>
10 to 100	1.0	<a href="#">DK103-40</a>	<a href="#">DK104-40</a>

### Dispensette S, Digital Variable Volume, Easy Calibration

Accuracy (A) < ±0.5% reproducibility (V) < 0.1%. Digital display of volume setting. Easily adjustable calibration with display flag indicating user re-calibration from factory setting. A45 standard neck thread. Supplied with FEP discharge tube and valve as indicated, performance certificate, operating manual, mounting tool, FEP telescopic filling tube and PP bottle adapters as specified in the separate table. Without reservoir bottle.

Volume ml	Subdiv. ml	With standard valve	With recirculation valve
0.5 to 5	0.02	<a href="#">DK106-20</a>	<a href="#">DK106-50</a>
1 to 10	0.05	<a href="#">DK106-25</a>	<a href="#">DK106-55</a>
2.5 to 25	0.1	<a href="#">DK106-30</a>	<a href="#">DK106-60</a>
5 to 50	0.2	<a href="#">DK106-35</a>	<a href="#">DK106-65</a>

### Dispensette S, Organic Dispenser, Variable Volume

Accuracy (A) < ±0.5% reproducibility (V) < 0.1%. Continuous pointer adjustment of volume. Adjustable calibration. A45 standard neck thread. Supplied with FEP discharge tube and valve as indicated, performance certificate, operating manual, mounting tool, FEP telescopic filling tube and PP bottle adapters as specified in the separate table. Without reservoir bottle.

Volume ml	Subdiv. ml	With standard valve	With recirculation valve
0.5 to 5	0.1	<a href="#">DK107-41</a>	<a href="#">DK107-70</a>
1 to 10	0.2	<a href="#">DK107-45</a>	<a href="#">DK107-75</a>
2.5 to 25	0.5	<a href="#">DK107-50</a>	<a href="#">DK107-80</a>
5 to 50	1.0	<a href="#">DK107-55</a>	<a href="#">DK107-85</a>

### Dispensette S, TA Dispenser, Variable Volume

Accuracy (A) < ±0.5% reproducibility (V) < 0.1%. Continuous pointer adjustment of volume. Adjustable calibration. A45 standard neck thread. Supplied with FEP discharge tube and valve as indicated, performance certificate, operating manual, mounting tool, FEP telescopic filling tube and PP bottle adapters as specified in the separate table. Without reservoir bottle.

Volume ml	Subdiv. ml	With standard valve	With recirculation valve
1 to 10	0.2	<a href="#">DK109-25</a>	<a href="#">DK109-55</a>

Dispensette max. volume, ml	Bottle adapters supplied	Telescopic filling tube supplied, mm
1, 2, 5, 10	GL24-25, GL28/S28 GL32-33, GL38, S40	125 to 240
10 (TA only)	GL28/S28, GL32 (in ETFE), S40 (in PTFE)	67 to 140
25, 50, 100	GL32-33, GL38, S40	170 to 330

### Accessory Reservoir Bottles

Amber, soda-lime glass, square pattern (except DK114-32 which is cylindrical) with plastic coating to reduce breakage hazards, PP screw cap and pouring ring. Maximum operating temperature +80°C. Not suitable for TA dispenser.

	Capacity ml	Screw neck mm	Bottle width x height, mm
<a href="#">DK114-17</a>	250	GL32	65 x 160
<a href="#">DK114-22</a>	500	GL32	80 x 195
<a href="#">DK114-27</a>	1000	GL45	95 x 230
<a href="#">DK114-32</a>	2500	GL45	140 x 300

Accessory reservoir bottle for TA dispenser – see BR770-52.

**Note:** Dispensette S spares and accessories are not compatible with previous models and vice versa, except reservoir bottles.



DK103-10 to -40 on bottle



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