

Bottle-Top Dispenser VITLAB® simplex², VITLAB

Simple and safe handling have made this bottle-top dispenser so popular.

① Bottle-Top Dispenser VITLAB® simplex²

Drawing quantities of liquids from large supply bottles is a daily routine in the lab. This manual task must be carried out quickly, accurately, reproducibly, simply and safely.

VITLAB® simplex² bottle-top dispensers are a family of instruments with proven precision that offer many advantages in routine liquid-handling operations. The positive displacement piston in this instrument is equipped with a fluoroplastic (PFA) sealing lip on the cylinder wall. This acts like a windscreen wiper to prevent crystal build-up on the cylinder wall from readily crystallisable media. The glass cylinder is also coated with a plastic material that reduces the risk of splashes should breakage occur. The telescopic filling tube can be adjusted smoothly to the height of the bottle.

Since the materials in contact with the media (borosilicate glass, Al₂O₃ ceramic, FEP, ETFE, PFA, PTFE, PP, platinum-iridium) are resistant to most acids, bases, and solvents, VITLAB® simplex² bottle-top dispensers can be used in practically any operation.

The VITLAB® simplex² is completely autoclavable at 121 °C (2 bar) according to DIN EN 285.

Included in delivery:

VITLAB® simplex² with 3 respectively 5 threaded adapters made of PP.

Nominal volumes of 2 – 10 ml (screw coupling GL 45) with adapters GL 25, GL 28, GL 32, GL 38, S 40 and telescopic intake tube length 125 to 240 mm.

Nominal volumes of 25 – 100 ml (screw coupling GL 45) with adapters GL 32, GL 38, S 40 and telescopic intake tube length 170 to 330 mm.

Mounting tool, instruction manual, and quality certificate stating all test values.

Volume ml	Graduation ml	A ≤ ± %	A ≤ ± μl	CV ≤ %	CV ≤ μl	Order No.
0.2 – 2.0	0.05	0,5	10	0,1	2	10 85 38503
0.5 – 5.0	0.10	0,5	25	0,1	5	10 85 38504
1.0 – 10.0	0.20	0,5	50	0,1	10	10 85 38505
2.5 – 25.0	0.50	0,5	125	0,1	25	10 85 38506
5.0 – 50.0	1.00	0,5	250	0,1	50	10 85 38507
10.0 – 100.0	1.00	0,5	500	0,1	100	10 85 38508

Error limits according to DIN EN ISO 8655-5, related to the nominal (maximum) volume marked on the device where the device, environment and distilled H₂O are at the same temperature (20 °C). Checks are done in accordance with DIN EN ISO 8655-6 with the device filled to capacity and with uniform and jolt-free dosing.

② Bottle-Top Dispenser VITLAB® simplex² fix

Drawing quantities of liquids from large supply bottles is a daily routine in the lab. This manual task must be carried out quickly, accurately, reproducibly, simply and safely.

VITLAB® simplex² bottle-top dispensers are a family of instruments with proven precision that offer many advantages in routine liquid-handling operations. The positive displacement piston in this instrument is equipped with a fluoroplastic (PFA) sealing lip on the cylinder wall. This acts like a windscreen wiper to prevent crystal build-up on the cylinder wall from readily crystallisable media. The glass cylinder is also coated with a plastic material that reduces the risk of splashes should breakage occur. The telescopic filling tube can be adjusted smoothly to the height of the bottle.

Since the materials in contact with the media (borosilicate glass, Al₂O₃ ceramic, FEP, ETFE, PFA, PTFE, platinum-iridium, PP) are resistant to most acids, bases, and solvents, VITLAB® simplex² bottle-top dispensers can be used in practically any operation.

The VITLAB® simplex² is completely autoclavable at 121 °C (2 bar) according to DIN EN 285.

- Fixed preset volume
- Accuracy = ±0.5%, at nominal value 1.0 ml = ±1%
- Variations coefficient = 0.1%, at nominal value 1.0 ml = 0.2%

Included in delivery:

VITLAB® simplex² fix with 5 threaded adapters made from PP.

Nominal volumes of 1 – 10 ml (screw coupling GL 45) with adapters GL 25, GL 28, GL 32, GL 38, S 40 and and telescopic intake tube length 125 to 240 mm.

Mounting tool, instruction manual, and quality certificate stating all test values.

Volume ml	A ≤ ± %	A ≤ ± μl	CV ≤ %	CV ≤ μl	Order No.
1.0	1,0	10	0,2	2	10 85 32502
5.0	0,5	25	0,1	5	10 85 37504
10.0	0,5	50	0,1	10	10 85 37505

Error limits according to DIN EN ISO 8655-5, related to the nominal (maximum) volume marked on the device where the device, environment and distilled H₂O are at the same temperature (20 °C). Checks are done in accordance with DIN EN ISO 8655-6 with the device filled to capacity and with uniform and jolt-free dosing.



③ Bottle-Top Dispenser VITLAB® genius²

VITLAB® genius² bottle-top dispensers are a family of instruments with proven precision that offer many advantages in routine liquid-handling operations.

VITLAB® genius² instruments can be used in practically any operation, since the materials that come into contact with media (borosilicate glass, Al₂O₃ ceramic, FEP, ETFE, PFA, PTFE, platinum-iridium, PP) are resistant to most acids, bases, and solvents. Reagent loss while ventilating is avoided with the innovative recirculation valve. The simple-to-use calibration function helps meet all the requirements for test equipment monitoring without downtime.

VITLAB® genius² is equipped with a positive displacement piston and a fluoroplastic (PFA) sealing lip on the cylinder wall. The latter acts like a windscreen wiper to prevent crystal build-up on the cylinder wall from readily crystallisable media. The glass cylinder is also coated with a plastic material that reduces the risk of splashes should breakage occur. The telescopic filling tube can be adjusted smoothly to different bottle heights.

The VITLAB® genius² is completely autoclavable at 121°C (2 bar) according to DIN EN 285.

Included in delivery:

VITLAB® genius with 3 respectively 5 threaded adapters made of PP.

Nominal volumes of 2 – 10 ml (screw coupling GL 45) with adapters GL 25, GL 28, GL 32, GL 38, S 40 and telescopic intake tube length 125 to 240 mm.

Nominal volumes of 25 – 100 ml (screw coupling GL 45) with adapters GL 32, GL 38, S 40 and telescopic intake tube length 170 to 330 mm.

Recirculation tube, mounting tool, instruction manual, and quality certificate.

Volume ml	Graduation ml	Thread GL	A ≤ ± %	A ≤ ± μl	CV ≤ %	CV ≤ μl	Order No.
0.2 – 2.0	0.05	45	0,5	10	0,1	2	10 85 39503
0.5 – 5.0	0.10	45	0,5	25	0,1	5	10 85 39504
1.0 – 10.0	0.20	45	0,5	50	0,1	10	10 85 39505
2.5 – 25.0	0.50	45	0,5	125	0,1	25	10 85 39506
5.0 – 50.0	1.00	45	0,5	250	0,1	50	10 85 39507
10.0 – 100.0	1.00	45	0,5	500	0,1	100	10 85 39508

Error limits according to DIN EN ISO 8655-5, related to the nominal (maximum) volume marked on the device where the device, environment and distilled H₂O are at the same temperature (20°C). Checks are done in accordance with DIN EN ISO 8655-6 with the device filled to capacity and with uniform and jolt-free dosing.

Drying tube for VITLAB® genius² und simplex²

PP, transparent, unfilled, with PTFE seal ring. Can be connected directly to the burette.

Article	Order No.
Drying tube, PP, unfilled	10 85 31095

