

VITLAB® genius² / simplex² / simplex²_{fix}

VITLAB® dispensers are practically universally applicable and can be used with many **organic and inorganic solutions**. The materials that come into contact with media (borosilicate glass, Al₂O₃ ceramics, FEP, ETFE, PFA, PTFE, platinum iridium and PP) are resistant to most acids, solvents and bases.

The devices are equipped with a positive displacement piston and a fluoroplastic (PFA) sealing lip on the cylinder wall. This 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 practical screwing mechanism and inner toothed bar enable a fast and precise volume adjustment (simplex² and genius²). The simple-to-use calibration function helps meet all the requirements for test equipment monitoring with minimal downtime. Reagent loss while bleeding is avoided with the innovative recirculation valve (only genius²). The screwable discharge valve is equipped with an additional safety bulb and closes the dosing channel, if dispensing tube is not installed, so that no medium can escape.

VITLAB® genius², simplex² and simplex²_{fix} are completely autoclavable at 121 °C (2 bar) according to DIN EN 285.

Also available with DAkkS calibration certificate or individual certificate (at additional cost).



VITLAB® genius²



Bottle-top dispenser with variable volume and recirculation system.

Included in delivery: VITLAB® genius² (GL 45 thread), 3 or 5 thread adapters* made of PP, telescopic filling tube, recirculation tube, mounting tool, quality certificate and operating manual.

Volume ml	Graduation ml	A** ≤ ± %	A** ≤ ± µl	CV** ≤ %	CV** ≤ µl	PU	Cat. No.
0.2 - 2.0	0.05	0.5	10	0.1	2	1	1625503
0.5 - 5.0	0.10	0.5	25	0.1	5	1	1625504
1.0 - 10.0	0.20	0.5	50	0.1	10	1	1625505
2.5 - 25.0	0.50	0.5	125	0.1	25	1	1625506
5.0 - 50.0	1.00	0.5	250	0.1	50	1	1625507
10.0 - 100.0	1.00	0.5	500	0.1	100	1	1625508

* Nominal volume 2 - 10 ml: with adapters GL 25, GL 28, GL 32, GL 38, S 40 and telescopic intake tube (length 125 - 240 mm).
Nominal volume 25 - 100 ml: with adapters GL 32, GL 38, S 40 and telescopic intake tube (length 170 - 330 mm).

** Error tolerance conforming 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.