

Calibrex™ universal bottle-top dispensers

Designed for performance handling of liquids from a large variety of bottles and flasks, the Calibrex™ universal dispensers combine the latest in dosing technology, high-tech materials and ergonomic design. They are manufactured and tested to fully comply with current safety regulations. Fixed versions also available in any volume within these ranges. Two-year warranty.

520

0.25 - 2 mL
1 - 5 mL
1 - 10 mL

The Calibrex™ universal 520

Product advantages

- Superior chemical resistance
- Long-lasting performance stability
- Simple construction – no tool for disassembling
- Single hand volume setting
- Calibration mechanism under the cap
- QR code accessing chemical compatibility chart
- Autoclavable at 121°C / 250°F fully assembled

Friendly digital volume setting ①②

Fast and precise volume adjustment. Efficient click-stop mechanism prevents unwanted alteration.



Large display is easy to read; the window adjusts to desired side of instrument body. Each step on the cylindrical cam is pre-calibrated and corresponds to one division on the volume adjustment scale.

Optimised working position ③

The instrument rotates 360° for adequate positioning on top of the bottle.



Air filter ④

Air inlet can be enlarged to receive a membrane filter, if airborne contamination is a concern.

In-lab calibration ⑤

Calibrex™ dispensers are factory calibrated and can be easily recalibrated by means of a dedicated adjustment screw.



Easy maintenance ⑥

Disassembling/reassembling is facilitated by the limited number of well-connected parts - no tool needed.

Superior material selection

Special attention is paid to component materials, providing for long instrument life. Parts coming in contact with the liquid flow are chemically inert.

| Parts | Materials |
|-----------------------|------------------------|
| Feed tube | PTFE |
| Intake valve | Ceramic |
| Valve balls | Pyrex glass |
| Valve spring | Platinum-iridium |
| Barrel | Borosilicate glass |
| Barrel plate / base | PTFE |
| Plunger | Glass with PFA coating |
| Outlet valve | Ceramic |
| Body | ETFE |
| Delivery jet assembly | PTFE/ETFE |

Large selection of bottles
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Performance and ordering information

Calibrex™ universal 520 have a 32 mm base thread. They come with three adaptors: 28, 40, 45 mm and 300 mm feed tube.

| Volume | Division | Inaccuracy (E %) | | | Imprecision (CV %) | | | Cat. No. Adj. volume | Cat. No. Fixed volume* |
|-------------|----------|------------------|----------|----------|--------------------|----------|---------|----------------------|------------------------|
| | | Min.vol | Mid.vol | Max.vol | Min.vol | Mid.vol | Max.vol | | |
| 0.25 - 2 mL | 0.05 mL | <± 3.0 % | <± 1.8 % | <± 0.6 % | < 0.5 % | < 0.35 % | < 0.1 % | 520.002 | 520.F02 |
| 1 - 5 mL | 0.1 mL | <± 2.0 % | <± 1.3 % | <± 0.6 % | < 0.5 % | < 0.35 % | < 0.1 % | 520.005 | 520.F05 |
| 1 - 10 mL | 0.25 mL | <± 1.5 % | <± 1.1 % | <± 0.6 % | < 0.5 % | < 0.35 % | < 0.1 % | 520.010 | 520.F10 |

* Specify desired fixed volume within instrument range when ordering. Performance values obtained with bidest. water at constant temperature (± 0.5°C) comprised between 20 and 25°C in accordance with ISO 8655.

