Bottle Top Dispenser 0.5-100 mL, Autoclavable 121°C Reagent Dispenser with Volume Lock

Model **MSDISP-PROSWISS** | Brand **Master Science**





The Master Science Bottle Top Dispenser with Volume Lock screws straight onto a reagent bottle and delivers set volumes without pouring or pipetting. It covers five ranges between 0.5 mL and 100 mL, so the same style of dispenser can serve small aliquots and larger repeat additions.

KEY HIGHLIGHTS

- Volume stays where you set it
- Less wasted reagent
- Fits most bottles
- Handles demanding chemicals

AT A GLANCE

0.5-5 mL, 1-10 mL, 2.5-25 mL, 5-50 mL, 10-100 mL
VOLUME RANGES

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Overview

The volume is set on a clear scale and locked in place, which stops it drifting during a run. A reagent recovery function sends liquid back to the bottle and keeps the nozzle from dripping when the unit is idle. Wetted parts use inert materials with a glass/PTFE piston, and the whole dispenser can be autoclaved at 121°C.

Accuracy and precision of the Master Science Bottle Top Dispenser with Volume Lock by volume range:

For simpler everyday dispensing, see also our bottle top dispenser for routine reagents, a lighter alternative to the Master Science Bottle Top Dispenser with Volume Lock.

The Master Science Bottle Top Dispenser with Volume Lock is a good fit for repeat reagent additions such as:

Pouring and measuring cylinders lead to the same issues again and again. The Master Science Bottle Top Dispenser with Volume Lock tackles them:

Key Benefits

Volume stays where you set it
The lock on the Master Science Bottle Top Dispenser with Volume Lock prevents accidental changes between dispenses.

Less wasted reagent
The recovery function returns liquid to the bottle and stops drips at the nozzle.

Fits most bottles
Six adapters come in the box for the common thread sizes.

Handles demanding chemicals
Inert wetted materials and a glass/PTFE piston stand up to a wide range of reagents.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSDISP-PROSWISS
SKU	MSDISP-PROSWISS
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SKU	MSDISP-PROSWISS
Volume ranges	**0.5-5 mL, 1-10 mL, 2.5-25 mL, 5-50 mL, 10-100 mL**
Graduation	0.1 / 0.2 / 0.5 / 1.0 / 2.0 mL (by range)
Systematic error	±0.5% (±25 / ±50 / ±125 / ±250 / ±500 µL)
Random error	±0.2% (±10 / ±20 / ±50 / ±100 / ±200 µL)
Piston	Glass/PTFE
Volume setting	Locking mechanism on a clear scale
Reagent recovery	Yes, reduces waste and prevents dripping
Aspirating tube	Adjustable for bottle height
Sterilization	Fully autoclavable at 121°C
Bottle adapters included	S40, GL32, GL38, GL25, GL28, GL45

COMMON DISPENSING PROBLEMS THE MASTER SCIENCE BOTTLE TOP DISPENSER WITH VOLUME LOCK SOLVES	
Inconsistent volumes	Locked volume settings give the same dose every stroke.
Splashes and spills	Dispensing straight from the bottle avoids open pouring of hazardous liquids.
Dripping and lost reagent	Reagent recovery returns liquid to the bottle and keeps the tip dry.
Bottles that do not fit	Six included adapters cover most common reagent bottle threads.

Applications

Dispensing acids, bases and solvents in analytical labs

Adding buffers and media in microbiology and cell culture

Titration and sample preparation in QC labs

Preparing extraction solvents in food and environmental testing

Teaching laboratories where pouring is a safety concern

Dosing

- Five volume ranges from 0.5 mL to 100 mL
- ±0.5% systematic and ±0.2% random error across ranges
- Fast, repeatable volume lock on a clear scale

Bottle fit

- Adapters S40, GL32, GL38, GL25, GL28 and GL45 supplied
- Adjustable aspirating tube for different bottle heights

Care and maintenance

- Glass/PTFE piston and inert materials for chemical compatibility
- Simple to take apart and clean
- Fully autoclavable at 121°C

Standard Accessories Included

- Bottle top dispenser (chosen volume range)
- Adjustable aspirating tube
- Bottle adapters: S40, GL32, GL38, GL25, GL28, GL45

Optional Accessories

- Brown reagent bottle, 1 L