

MEMDIS150 PRODUCT PAGE

FILTRATION DEVICES

LAB CONSUMABLES OVERVIEW

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MEMDIS150

Automatic Membrane Filter Dispenser | Touchless | ≤ 1 s per membrane

The **MEMDIS150** is an **automatic membrane filter dispenser** for sterile, continuously packed membrane filters used in microbiological membrane filtration. A **gesture sensor** starts each cycle, so the operator never touches the device: the membrane is released from its sterile package in **≤ 1 second** and taken directly with tweezers. A **built-in rechargeable lithium battery** makes it portable, and the stainless steel body is easy to wipe clean. One box of **150 membranes** is loaded at a time.

MEMDIS150

PRO7312

Touchless gesture sensor

≤ 1 s / membrane

150 membranes / box

Li-ion battery

Stainless steel

$\varnothing 47$ / $\varnothing 50$ mm

Typical applications: membrane filtration in microbiology laboratories, pharmaceutical quality control and aseptic processing, food and beverage contamination testing, and environmental water and air monitoring — wherever sterile membranes are placed on the filter support many times a day.

Document type: Technical Specification Sheet

Product family: Vacuum filtration — Lab filtration and purification

Model / product code: MEMDIS150 | PRO7312

Format: A4 landscape | COLO.Science TechSpec v1.1



DISPENSING

≤ 1 s

LOAD

150 membranes

CONTACT

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Sterile membranes, released without touch in one second

Product overview

Touchless dispensing

- **Gesture sensor** activation — no buttons to touch between samples.
- Membrane released from its sterile package in **≤ 1 second**.
- Half of the membrane is presented on the output platform, ready for tweezers.
- Less handling means a **lower risk of contamination**.

Membranes

- For **continuously packed sterile membrane filters**.
- One box of **150 membranes** per load.
- Gridded MCE membranes, **Ø47 and Ø50 mm**, white or black.
- Compatible with all Millipore dispenser membranes and with Sartorius 16713PS.

Build and power

- **Stainless steel** body, **aluminium alloy** base.
- **Built-in rechargeable lithium battery** — portable, no cable at the bench.
- Power supply **DC 12 V**, power **22 W**.
- Noise **< 60 dB** under load; **4 kg**; **30 × 24 × 20 cm**.

Use and care

- Place on a flat, stable work surface.
- Keep the device and membranes dry; avoid liquids entering the device.
- Avoid chemical disinfectants on the device; use a sealed cover in clean rooms.
- Wipe the surface regularly; no other servicing under normal use.

What the MEMDIS150 is for

In membrane filtration, every sample needs a fresh sterile membrane on the filter support. Taking membranes from individual packs with tweezers is slow and is the step where contamination most often enters. The MEMDIS150 holds a box of **150 continuously packed membranes** and, at a wave of the hand, peels one from its sterile package and presents it on the platform in **under a second** — faster, cleaner and repeatable from the first to the last sample of the day.

Touchless, ≤ 1 s, 150 membranes, Li-ion battery, stainless steel

Model and configurations

Configuration	Contents	Membrane	Pore size	Supply
MEMDIS150 (PRO7312)	Automatic membrane filter dispenser	—	—	Standard
MEMDIS150 set Ø47	Dispenser + 5 boxes × 150 membranes	MCE gridded, white, Ø47 mm	0.22 / 0.45 / 0.8 µm	On request
MEMDIS150 set Ø50	Dispenser + 5 boxes × 150 membranes	MCE gridded, white, Ø50 mm	0.22 / 0.45 / 0.8 µm	On request

Technical specifications

Dispensing

Parameter	Value
Activation	Gesture (motion) sensor, touchless
Membrane removal time	≤ 1 second
Membrane load	150 membranes / box
Membrane type	Sterile, continuously packed membrane filters
Membrane diameter	Ø47 mm and Ø50 mm
Compatible membranes	All Millipore dispenser membranes; Sartorius 16713PS; others after sample test

Build, power and dimensions

Parameter	Value
Body material	Stainless steel
Base material	Aluminium alloy
Power supply	DC 12 V; built-in rechargeable lithium battery
Power	22 W
Noise	< 60 dB (under load)
Weight	4 kg
Dimensions	30 × 24 × 20 cm

Delivery and options

Item	Description	Supply	Item	Description	Supply
MEMDIS150 dispenser	Automatic membrane filter dispenser, built-in battery	Included	Sterile gridded MCE membranes, continuous pack	Ø47 / Ø50 mm, white or black, 0.22 / 0.45 / 0.8 µm, 150 pcs	Optional
			<u>MANIVAC S filtration manifold</u>	Stainless steel, 1–6 places, 47 / 50 mm	Optional

Before ordering: specify the membrane diameter, colour and pore size, and whether you already use continuously packed membranes of another brand (sample test recommended). The delivered configuration is confirmed in the COLO.Science quotation.

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MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: tell us the membranes you use (diameter, pore size, colour, brand) and how many samples you filter per day. COLO.Science will propose the dispenser with a matching membrane supply.

QUICK CONTACT

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Model: MEMDIS150 · PRO7312

COLO.SCIENCE | MEMDIS150 SUPPORT

Loading and first use

Place the membrane box in the dispenser with the transparent side of the package facing up, thread the package between the platform and the fixing rod and clip it to the upper shaft. Turn the shaft by hand to open a short section, tighten and clip. Activate with the gesture sensor: the first cycle releases no membrane; from the second, half of a membrane appears on the platform, ready for tweezers. Take one membrane at a time. After use, remove the clamps and pressure plate and discard the empty package. If the handle does not reset after one press, press it twice.

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MEMDIS150 Technical Specification (PDF)

Filtration Devices

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Official configuration notice: This document is provided for orientation and model selection. It does not replace the binding specification, delivered configuration, validation protocol or acceptance criteria confirmed in the official COLO.Science quotation, proforma invoice, order confirmation or manufacturer-approved technical offer. Brand names are used only to describe membrane compatibility. Specifications may change without notice.