

LEOSMAK · COMPACT

LEO-010

Up to 10 kg per batch capacity. The LEO-010 Compact Freeze Dryer delivers small-batch performance with intuitive controls, remote monitoring, and durable stainless steel construction.



BATCH CAPACITY

10 kg

AVG. ENERGY USE

1.4 kWh / h

SHELF AREA

0.93 m²

APPLICATIONS

Freeze-Drying for Fruits & Vegetables

Freeze-Drying for Nutraceuticals & Supplements

CE marked

Built in EU

Why choose the LEO-010

- ✓ **Small-batch production & R&D** — an all-in-one unit for producers who want the pump built in.
- ✓ **Freezes in the chamber, pump built in** — radiant freezing and heating (no blast freezer) plus an integrated premium vacuum pump — one box, plug and run. Recipes scale up to industrial LEO units.
- ✓ **Up to 10 kg per batch** — small-scale production and R&D.
- ✓ **Connected & automated** — touchscreen control, Wi-Fi remote management, notifications and over-the-air updates. Low power draw.

CAPACITY & OUTPUT

Batch capacity (fresh load)	10 kg
Ice condenser capacity	15 kg
Total shelf area	0.93 m²
Number of shelves	5
Number of trays	5
Tray size	GN 1/1, 2-4 cm

PROCESS & CYCLE

Shelf temperature range	-40 to +70 °C
Min. condenser temperature	-40 °C
Defrosting	Automatic (≈3 h)
Defrost time	3 h

VACUUM & REFRIGERATION

Vacuum pump type	Oil-sealed (oil-free option)
Refrigeration type	Air-cooled
Refrigerant	R-452B

CONTROL & MONITORING

Control system	LCD touchscreen + Wi-Fi
Menu language	English
Data logging & recipes	Wi-Fi app monitoring
Remote monitoring	Yes

BUILD

Chamber material	AISI 304 stainless steel
Shelf material	Stainless steel
Body color options	Jet Black, Traffic White, Stainless Steel, Other RAL

POWER & FOOTPRINT

Power supply	220-240 V / 1~ / 50 Hz
Connected load	3.5 kW
Energy consumption (avg)	1.4 kWh/h
External dimensions (W × D × H)	600 × 950 × 1010 mm
Net weight	156 kg

WARRANTY & SERVICE

Warranty	24 months (extendable to 36)
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Recommended accessories

6× Stainless steel tray GN 1/1 20 mm for LEO-010 Fits: LEO-010

6× Stainless steel tray GN 1/1 40 mm for LEO-010 Fits: LEO-010

AMARU Mineral oil for vacuum pump 10 L Fits: All

AMARU Mineral oil for vacuum pump 20 L Fits: All

AMARU Viktor – Ozone decontaminator

More accessories are available in our online store — follow the QR code.



+34 614 332 324

team@freeze-drying.tech

freeze-drying.tech

Scan for live specifications, current pricing and to request a quotation.