

EXEAT · COMPACT

LIO 70 L

Up to 9 kg per batch · 9 stainless-steel trays · 1.21 m² shelf area. European-built, CE-certified professional freeze dryer. More shelves, same footprint — best cost-per-kg in the LIO 70 family. Oil-sealed pump standard; oil-free scroll option.



BATCH CAPACITY

9 kg

AVG. ENERGY USE

1.15 kWh / h

SHELF AREA

1.21 m²

APPLICATIONS

Freeze-Drying for Fruits & Vegetables

Freeze-Drying for Nutraceuticals & Supplements

CE marked

Built in EU

Why choose the LIO 70 L

- ✓ **For chefs, artisans & R&D** — compact enough for a professional kitchen or lab bench, serious enough for repeatable production runs.
- ✓ **Up to 9 kg fresh load** — 9 trays, 1.21 m² shelf area.
- ✓ **Configured to fit you** — choose Base, L or Pro and an oil or oil-free (scroll) vacuum pump to match performance to budget. The one line you tune to your workflow.
- ✓ **Repeatable results** — controlled shelf temperature and deep vacuum for consistent structure, colour and rehydration. CE-certified, AISI 304 stainless, 12-month warranty.

CAPACITY & OUTPUT

Batch capacity (fresh load)	9 kg
Ice condenser capacity	12 kg
Total shelf area	1.21 m²
Number of shelves / trays	9
Shelf spacing	37 mm
Tray size	28 × 48 cm

PROCESS & CYCLE

Shelf temperature range	-35 to +60 °C (recipe)
Min. condenser temperature	-43 °C
Defrosting	Manual (heated)
Defrost time	3 h

VACUUM & REFRIGERATION

Vacuum pump	Oil-sealed (oil-free scroll option)
Refrigeration	Air-cooled
Refrigerant	R290 (natural refrigerant, GWP 3)

CONTROL & MONITORING

Control system	PLC touchscreen
Menu language	English
Data logging & recipes	USB CSV export + recipes
Remote monitoring	No

BUILD

Chamber / shelf material	AISI 304 stainless steel
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POWER & FOOTPRINT

Power supply	230 V / 1~ / 50 Hz
Connected load	1.45 kW
Energy consumption (avg)	1.15 kWh/h
External dimensions (W×D×H)	700 × 690 × 1085 mm
Net weight	163 kg

WARRANTY & SERVICE

Warranty	12 months
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Recommended accessories

AMARU Mineral oil for vacuum pump 10 L Fits: All

AMARU Mineral oil for vacuum pump 20 L Fits: All

AMARU Viktor – Ozone decontaminator

Leosmak High-Performance Vacuum Pump Oil Fits: All Leosmak

Moisture analyzer AXIS ATS60 Fits: All

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



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