EXEAT · COMPACT

LIO 40

Up to 3.5 kg per batch on 4 stainless-steel trays, 0.38 m² of shelf area. CE-certified, European-made. The entry version of the LIO 40, for validating products and producing smaller volumes. Oil-sealed vacuum pump as standard, oil-free scroll pump optional.



BATCH CAPACITY	AVG. ENERGY USE	SHELF AREA
3.5 kg	0.97 kWh / h	0.38 m²

APPLICATIONS: Freeze-Dryers for Herbs, Spices and Microgreens · Freeze-Dryers for Fruit and Vegetables

CE marked · Built in EU

Why choose the LIO 40

- **For chefs, artisans and R&D labs**: fits a professional kitchen or a lab bench and runs repeatable production batches.
- **Three versions, two pumps**: Base, L or Pro, each with an oil-sealed or oil-free scroll vacuum pump. Choose capacity and maintenance level to fit the budget.
- **Up to 3.5 kg fresh load**: 4 trays, 0.38 m² of shelf area.
- **Controlled drying**: shelf-temperature control and deep vacuum give the same texture and rehydration batch after batch. AISI 304 stainless steel, 12-month warranty.

CAPACITY & OUTPUT

Batch capacity (fresh load)	**3.5 kg**
Ice condenser capacity	**7 kg**
Total shelf area	**0.38 m²**
Shelves	**4**
Trays	**4**
Shelf spacing	**57 mm**
Tray size	**20 × 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**

POWER & FOOTPRINT

Power supply	**230 V / 1~ / 50 Hz**
Connected load	**1.25 kW**
Energy consumption (avg)	**0.97 kWh/h**
External dimensions (W×D×H)	**550 × 690 × 940 mm**
Net weight	**118 kg**

WARRANTY & SERVICE

Warranty	**12 months**

Recommended accessories

Tray for LIO 40 (20×48 cm)	Fits: LIO 40 series
AMARU Mineral oil for vacuum pump 10 L	Fits: all models
AMARU Mineral oil for vacuum pump 20 L	Fits: all models
AMARU Viktor – Ozone decontaminator	Fits: all models
Leosmak High-Performance Vacuum Pump Oil	Fits: all Leosmak models

More accessories in our online store: scan the QR code.

+34 614 332 324 team@freeze-drying.tech freeze-drying.tech

Scan for current specifications and prices, or to request a quotation.

Specifications are provided by the manufacturer and are subject to change without notice. Figures are for planning purposes; confirmed values are provided per quotation. Metric units.