EXEAT · COMPACT

LIO 40 Pro

Up to 5 kg per batch on 6 stainless-steel trays, 0.58 m² of shelf area. CE-certified, European-made. The LIO 40 L with advanced process control (active pressure control, pressure-building control, fast defrost and automatic drain) for sensitive products and repeatable cycles. Oil-sealed vacuum pump as standard, oil-free scroll pump optional.



BATCH CAPACITY	AVG. ENERGY USE	SHELF AREA
5 kg	0.97 kWh / h	0.58 m²

APPLICATIONS: Freeze-Dryers for Fruit and Vegetables; Freeze-Drying for Nutraceuticals & Supplements

CE marked; Built in EU

Why choose the LIO 40 Pro

- **For chefs, artisans and R&D labs**: fits a professional kitchen or a lab bench and runs repeatable production batches.
- **Full process control**: active pressure control and pressure-building control hold chamber pressure at the recipe setpoint; fast defrost and automatic drain shorten the turnaround between batches.
- **Up to 5 kg fresh load**: 6 trays, 0.58 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)	**5 kg**
Ice condenser capacity	**7 kg**
Total shelf area	**0.58 m²**
Shelves	**6**
Trays	**6**
Shelf spacing	**37 mm**
Tray size	**20 × 48 cm**

PROCESS & CYCLE

Shelf temperature range	**-35 to +60 °C (recipe)**
Min. condenser temperature	**-43 °C**
Defrosting	**Automatic / fast defrost (Pro)**
Defrost time	**1 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 + Pro: pressure control · pressure-building control · fast defrost · automatic drain control**
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

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
Moisture analyzer AXIS ATS60	Fits: all models

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

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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.