

EXEAT · COMPACT

# LIO 70

Up to 6 kg per batch · 6 stainless-steel trays · 0.81 m<sup>2</sup> shelf area. European-built, CE-certified professional freeze dryer. Lowest-cost entry to the LIO 70 platform — validate and produce at lower volumes. Oil-sealed pump standard; oil-free scroll option.



BATCH CAPACITY

**6** kg

AVG. ENERGY USE

**1.15** kWh / h

SHELF AREA

**0.81** m<sup>2</sup>

APPLICATIONS

Freeze-Drying for Fruits &amp; Vegetables

Freeze-Drying for Nutraceuticals &amp; Supplements

CE marked

Built in EU

## Why choose the LIO 70

- ✓ **For chefs, artisans & R&D** — compact enough for a professional kitchen or lab bench, serious enough for repeatable production runs.
- ✓ **Up to 6 kg fresh load** — 6 trays, 0.81 m<sup>2</sup> 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) | <b>6 kg</b>               |
| Ice condenser capacity      | <b>12 kg</b>              |
| Total shelf area            | <b>0.81 m<sup>2</sup></b> |
| Number of shelves / trays   | <b>6</b>                  |
| Shelf spacing               | <b>57 mm</b>              |
| Tray size                   | <b>28 × 48 cm</b>         |

#### PROCESS & CYCLE

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

#### VACUUM & REFRIGERATION

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

#### CONTROL & MONITORING

|                        |                                 |
|------------------------|---------------------------------|
| Control system         | <b>PLC touchscreen</b>          |
| Menu language          | <b>English</b>                  |
| Data logging & recipes | <b>USB CSV export + recipes</b> |
| Remote monitoring      | <b>No</b>                       |

#### BUILD

|                          |                                 |
|--------------------------|---------------------------------|
| Chamber / shelf material | <b>AISI 304 stainless steel</b> |
|--------------------------|---------------------------------|

#### POWER & FOOTPRINT

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

#### WARRANTY & SERVICE

|          |                  |
|----------|------------------|
| Warranty | <b>12 months</b> |
|----------|------------------|

#### Recommended accessories

|                            |                     |
|----------------------------|---------------------|
| Tray for LIO 70 (28×48 cm) | Fits: LIO 70 series |
|----------------------------|---------------------|

|                                        |           |
|----------------------------------------|-----------|
| 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 |
|------------------------------------------|-------------------|

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



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