

LyoEase 50

Commercial/Home freeze-drying system

Optimize and simplify your freeze-drying process

Taking advantage of the experience and knowledge in freeze drying, Antech offers LyoEase series ready-to-use freeze-drying system, fully equipped with trays, vacuum pump and oil mist filter.

LyoEase series freeze dryers are compact in design, high-efficiency in performance, smart in operation, and dependable in daily use.



► Innovative features

- Compact, high-performance freezing system with a small footprint
- Front door open, convenient handling
- 5-layer stainless steel tray with 0.6 m² large useable area
- 6~8 kg processing capacity each batch
- Touch screen installed with LyoEase operating system
- High efficiency cooling system with -45°C condenser temperature
- Vacuum degree reaches 0.2 mbar
- High quality vacuum pump for long-term running

► LyoEase touch screen control system

Touch screen controller, installed with operating system, assisting users to optimize the freeze-drying process.

- Manual or Auto mode optional
- Clear display of tray temperature
- Clear display of condenser temperature
- Clear display of vacuum degree
- Pre-freeze function
- Automatic switch on vacuum pump after pre-freeze
- Shelf heating for faster drying
- Fast defrost via integrated hot gas

► Advanced cooling system

- -45°C: single compressor system, high efficiency
- SECOP brand compressor for durable use

► **The LyoEase 50 standard package contains:**

- LyoEase 50 freeze dryer
- Stainless steel trays (set of 5)
- Vacuum pump & hose
- Oil Filter

► **Specification**

| Model | | LyoEase 50 |
|----------------|-----------------------------------|-----------------------------|
| Basic | Type | Floor standing |
| | Door | Front open |
| Ice condenser | Temperature | -45°C |
| | Max. ice capacity | 7 kg |
| Control | Display | 4.3" Touch screen |
| | Operating system | LyoEase |
| | Ice condenser temperature display | ● |
| | Tray temperature display | ● |
| | Vacuum degree display | ● |
| | Vacuum gauge type | Thermocouple |
| | Vacuum degree | 0.2 mbar |
| | Vacuum venting | Manual |
| | Hot gas defrosting | ● |
| Cooling system | Number of compressor | 1 |
| | Compressor brand | SECOP |
| Power | Power supply | 220/50;220/60;120/60 (V/Hz) |
| | Rated power | 1300 W |
| Noise level | Freeze dryer | 52 (dB) |
| Dimensions | Main unit (W x D x H) | 560 x 650 x 915 mm |
| Weight | Main unit | 100 kg |
| Tray | Batch capacity | 6 ~ 8 kg |
| | Usable area | 0.56 m ² |
| | Number of trays | 5 |
| | Tray size | 220 x 510 mm |
| | Tray material | Stainless steel |
| Vacuum pump | Vacuum pump | ● |
| | Oil mist filter | ● |
| | Vacuum pump hose | ● |

The data provided refers to the base unit with ambient conditions of +10 °C to +25 °C.
Subject to change without prior notice.

● Basic equipment