

# 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 m<sup>2</sup> 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 & auto mode available
- 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 <sup>2</sup>
	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