

# STALWART

## Freeze Dryer STFD-50



STFD-50

## **Introduction**

STFD-50 freeze dryers are compact in design, high-efficiency in performance, smart in operation, and dependable in daily use.

Taking advantage of the experience and knowledge in freeze drying, Antech offers STFD-50 ready-to-use freeze-drying system, fully equipped with trays, vacuum pump and oil mist filter.

## **Features**

### **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 STFD-50 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

### **STFD-50 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 STFD-50 standard package contains:**

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

## Specification

Model		STFD-50
Basic	Type	Floor standing
	Door	Front open
Ice condenser	Temperature	-45°C
	Max. ice capacity	7 kg
Control	Display	4.3" Touch screen
	Ice condenser temperature display	Yes
	Tray temperature display	Yes
	Vacuum degree display	Yes
	Vacuum gauge type	Thermocouple
	Vacuum degree	0.2 mbar
	Vacuum venting	Manual
	Hot gas defrosting	Yes
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	Yes
	Oil mist filter	Yes
	Vacuum pump hose	Yes