



Standard Freeze Dryers

SFDQ Series



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Standard Freeze Dryers

Standard Freeze Dryer SFDQ 3000

Standard Freeze Dryer SFDQ 3000 is a floor standing unit with a condensing capacity of 3 kg to 4 kg / 24 h and a temperature of -50 °C. Equipped with four trays with a bulk capacity of 1.2 L allowing any shape or size of sample to be freeze dried. Precise vacuum control enables faster freeze drying and reproducible results. Transparent drying chamber helps in visualization of drying process. Big opening condenser with external coiling tubes facilitates pre-freezing function.

Features

- ◆ Ice condenser capacity is 3 to 4 kg / 24 h
- ◆ Condenser temperature (- 50 °C)
- ◆ Display of sample temperature, vacuum curve degree, cold trap temperature curve
- ◆ Clear acrylic door for easy product viewing during processing
- ◆ High pumping speed vacuum pump
- ◆ Pre-freezing function
- ◆ Anti-corrosive stainless steel air inlet valve
- ◆ USB port to output freeze drying data

Optional features

- ◆ Intake backfilling filter
- ◆ Air inlet filter for pump
- ◆ Nitrogen inflation valve
- ◆ Vacuum control valve
- ◆ Eutectic point testing device
- ◆ Electrical heat defrosting
- ◆ Vacuum pump oil return
- ◆ Oil mist filtration system
- ◆ RS232 interface and software for data storage on computer

Standard Freeze Dryers

Standard Freeze Dryer SFDQ 4000

Standard Freeze Dryer SFDQ 4000 is a floor standing unit with a condensing capacity of 3 kg to 4 kg / 24 h and a temperature of -80°C . Equipped with four trays with a bulk capacity of 1.2 L allowing any shape or size of sample to be freeze dried. Precise vacuum control enables faster freeze drying and reproducible results. Transparent drying chamber helps in visualization of drying process. Big opening condenser with external coiling tubes facilitates pre-freezing function.

Features

- ◆ Ice condenser capacity is 3 to 4 kg / 24 h
- ◆ Condenser temperature ($- 80^{\circ}\text{C}$)
- ◆ Display of sample temperature, vacuum curve degree, cold trap temperature curve
- ◆ Clear acrylic door for easy product viewing during processing
- ◆ High pumping speed vacuum pump
- ◆ Pre-freezing function
- ◆ Anti-corrosive stainless steel air inlet valve
- ◆ USB port to output freeze drying data

Optional features

- ◆ Intake backfilling filter
- ◆ Air inlet filter for pump
- ◆ Nitrogen inflation valve
- ◆ Vacuum control valve
- ◆ Eutectic point testing device
- ◆ Electrical heat defrosting
- ◆ Vacuum pump oil return
- ◆ Oil mist filtration system
- ◆ RS232 interface and software for data storage on computer

Standard Freeze Dryers

Standard Freeze Dryer SFDQ 3001

Standard Freeze Dryer SFDQ 3001 is a floor standing unit with a condensing capacity of 3 kg to 4 kg / 24 h and a temperature of -50 °C. Equipped with six trays with a bulk capacity of 1.8 L allowing any shape or size of sample to be freeze dried. Precise vacuum control enables faster freeze drying and reproducible results. Transparent drying chamber helps in visualization of drying process. Big opening condenser with external coiling tubes facilitates pre-freezing function.

Features

- ◆ Ice condenser capacity is 3 to 4 kg / 24 h
- ◆ Condenser temperature (- 50 °C)
- ◆ Display of sample temperature, vacuum curve degree, cold trap temperature curve
- ◆ Clear acrylic door for easy product viewing during processing
- ◆ High pumping speed vacuum pump
- ◆ Pre-freezing function
- ◆ Anti-corrosive stainless steel air inlet valve
- ◆ USB port to output freeze drying data

Optional features

- ◆ Intake backfilling filter
- ◆ Air inlet filter for pump
- ◆ Nitrogen inflation valve
- ◆ Vacuum control valve
- ◆ Eutectic point testing device
- ◆ Electrical heat defrosting
- ◆ Vacuum pump oil return
- ◆ Oil mist filtration system
- ◆ RS232 interface and software for data storage on computer

Standard Freeze Dryers

Standard Freeze Dryer SFDQ 4001

Standard Freeze Dryer SFDQ 4001 is a floor standing unit with a condensing capacity of 3 kg to 4 kg / 24 h and a temperature of -80°C . Equipped with six trays with a bulk capacity of 1.8 L allowing any shape or size of sample to be freeze dried. Precise vacuum control enables faster freeze drying and reproducible results. Transparent drying chamber helps in visualization of drying process. Big opening condenser with external coiling tubes facilitates pre-freezing function.

Features

- ◆ Ice condenser capacity is 3 to 4 kg / 24 h
- ◆ Condenser temperature ($- 80^{\circ}\text{C}$)
- ◆ Display of sample temperature, vacuum curve degree, cold trap temperature curve
- ◆ Clear acrylic door for easy product viewing during processing
- ◆ High pumping speed vacuum pump
- ◆ Pre-freezing function
- ◆ Anti-corrosive stainless steel air inlet valve
- ◆ USB port to output freeze drying data

Optional features

- ◆ Intake backfilling filter
- ◆ Air inlet filter for pump
- ◆ Nitrogen inflation valve
- ◆ Vacuum control valve
- ◆ Eutectic point testing device
- ◆ Electrical heat defrosting
- ◆ Vacuum pump oil return
- ◆ Oil mist filtration system
- ◆ RS232 interface and software for data storage on computer

Standard Freeze Dryers

Standard Freeze Dryer SFDQ 3002

Standard Freeze Dryer SFDQ 3002 is a floor standing unit with a condensing capacity of 3 kg to 4 kg / 24 h and a temperature of -50 °C. Equipped with eight trays with a bulk capacity of 2.4 L allowing any shape or size of sample to be freeze dried. Precise vacuum control enables faster freeze drying and reproducible results. Transparent drying chamber helps in visualization of drying process. Big opening condenser with external coiling tubes facilitates pre-freezing function.

Features

- ◆ Ice condenser capacity is 3 to 4 kg / 24 h
- ◆ Condenser temperature (- 50 °C)
- ◆ Display of sample temperature, vacuum curve degree, cold trap temperature curve
- ◆ Clear acrylic door for easy product viewing during processing
- ◆ High pumping speed vacuum pump
- ◆ Pre-freezing function
- ◆ Anti-corrosive stainless steel air inlet valve
- ◆ USB port to output freeze drying data

Optional features

- ◆ Intake backfilling filter
- ◆ Air inlet filter for pump
- ◆ Nitrogen inflation valve
- ◆ Vacuum control valve
- ◆ Eutectic point testing device
- ◆ Electrical heat defrosting
- ◆ Vacuum pump oil return
- ◆ Oil mist filtration system
- ◆ RS232 interface and software for data storage on computer

Standard Freeze Dryers

Standard Freeze Dryer SFDQ 4002

Standard Freeze Dryer SFDQ 4002 is a floor standing unit with a condensing capacity of 3 kg to 4 kg / 24 h and a temperature of -80°C . Equipped with eight trays with a bulk capacity of 2.4 L allowing any shape or size of sample to be freeze dried. Precise vacuum control enables faster freeze drying and reproducible results. Transparent drying chamber helps in visualization of drying process. Big opening condenser with external coiling tubes facilitates pre-freezing function.

Features

- ◆ Ice condenser capacity is 3 to 4 kg / 24 h
- ◆ Condenser temperature ($- 80^{\circ}\text{C}$)
- ◆ Display of sample temperature, vacuum curve degree, cold trap temperature curve
- ◆ Clear acrylic door for easy product viewing during processing
- ◆ High pumping speed vacuum pump
- ◆ Pre-freezing function
- ◆ Anti-corrosive stainless steel air inlet valve
- ◆ USB port to output freeze drying data

Optional features

- ◆ Intake backfilling filter
- ◆ Air inlet filter for pump
- ◆ Nitrogen inflation valve
- ◆ Vacuum control valve
- ◆ Eutectic point testing device
- ◆ Electrical heat defrosting
- ◆ Vacuum pump oil return
- ◆ Oil mist filtration system
- ◆ RS232 interface and software for data storage on computer

Standard Freeze Dryers

Specifications

Model No.	SFDQ 3000	SFDQ 4000
Condenser temperature	-50 °C	-80 °C
Condenser capacity	3 to 4 kg / 24 h	3 to 4 kg / 24 h
Freeze drying area	0.12 m ²	0.12 m ²
Bulk capacity	1.2 L	1.2 L
Vial capacity Φ 12 mm	820 pieces	820 pieces
Vial capacity Φ 16 mm	460 pieces	460 pieces
Vial capacity Φ 22 mm	244 pieces	244 pieces
Cooling	Air cooling	Air cooling
Defrosting	Off cycle defrosting	Off cycle defrosting
Condenser size	Φ 220 mm, 240 mm deep	Φ 220 mm, 240 mm deep
Trays	4 layers	4 layers
Tray dimension	Φ 200 mm	Φ 200 mm
Tray spacing	70 mm	70 mm
Vacuum pump flow rate	7.2m ³ / h	7.2m ³ / h
Power	1070 W	1400 W
Voltage	220 V / 50 Hz	220 V / 50 Hz
	120 V / 60 Hz	120 V / 60 Hz
Dimensions	580 x 500 x (720 + 430) mm	770 x 550 x (720 + 430) mm
Weight	100 kgs	150 kgs

Standard Freeze Dryers

Specifications

Model No.	SFDQ 3001	SFDQ 4001
Condenser temperature	-50 °C	-80 °C
Condenser capacity	3 to 4 kg / 24 h	3 to 4 kg / 24 h
Freeze drying area	0.18 m ²	0.18 m ²
Bulk capacity	1.8 L	1.8 L
Cooling	Air cooling	Air cooling
Defrosting	Off cycle defrosting	Off cycle defrosting
Condenser size	Φ 220 mm, 240 mm deep	Φ 220 mm, 240 mm deep
Trays	6 layers	6 layers
Tray dimension	Φ 200 mm	Φ 200 mm
Tray spacing	50 mm	50 mm
Vacuum pump flow rate	7.2m ³ / h	7.2m ³ / h
Power	1070 W	1400 W
Voltage	220 V / 50 Hz	220 V / 50 Hz
	120 V / 60 Hz	120 V / 60 Hz
Dimensions	580 x 500 x (720 + 430) mm	770 x 550 x (720 + 430) mm
Weight	100 kgs	150 kgs

Standard Freeze Dryers

Specifications

Model No.	SFDQ 3002	SFDQ 4002
Condenser temperature	-50 °C	-80 °C
Condenser capacity	3 to 4 kg / 24 h	3 to 4 kg / 24 h
Freeze drying area	0.24 m ²	0.24 m ²
Bulk capacity	2.4 L	2.4 L
Cooling	Air cooling	Air cooling
Defrosting	Off cycle defrosting	Off cycle defrosting
Condenser size	Φ 220 mm, 240 mm deep	Φ 220 mm, 240 mm deep
Trays	8 layers	8 layers
Tray dimension	Φ 200 mm	Φ 200 mm
Tray spacing	35 mm	35 mm
Vacuum pump flow rate	7.2m ³ / h	7.2m ³ / h
Power	1070 W	1400 W
Voltage	220 V / 50 Hz	220 V / 50 Hz
	120 V / 60 Hz	120 V / 60 Hz
Dimensions	580 x 500 x (720 + 430) mm	770 x 550 x (720 + 430) mm
Weight	100 kgs	150 kgs