

T-type Freeze Dryers

TFDQ Series



T-type Freeze Dryers

T-type Freeze Dryer TFDQ 1000

T-type Freeze Dryer TFDQ 1000 is a compact table-top unit with 3 to 4 kg condenser capacity and condenser temperature options of - 50 °C for specimen's containing solvents. The T-type manifold accommodates 24 ampoules via the rubber adaptors. 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

T-type Freeze Dryers

T-type Freeze Dryer TFDQ 2000

T-type Freeze Dryer TFDQ 2000 is a compact table-top unit with 3 to 4 kg condenser capacity and condenser temperature options of - 80 °C for specimen's containing solvents. The T-type manifold accommodates 24 ampoules via the rubber adaptors. 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 °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

T-type Freeze Dryers

Specifications

Model No.	TFDQ 1000	TPDQ 2001
Condenser temperature	- 50 °C	- 80 °C
Condenser capacity	3 to 4 kg / 24 h	3 to 4 kg / 24 h
Number of sealed valves	24 pieces for 24 ampoules	24 pieces for 24 ampoules
T-type shelf	430 x 480 mm	430 x 480 mm
Condenser size	Φ 215 mm, 140 mm deep	Φ 215 mm, 140 mm deep
Defrosting	Off cycle defrosting	Off cycle defrosting
Vacuum pump flow rate	7.2m ³ / h	7.2m ³ / h
Vacuum	< 10 Pa	< 10 Pa
Power	970 W	1400 W
Voltage	220 V / 50 Hz	220 V / 50 Hz
	120 V / 60 Hz	120 V / 60 Hz
Dimensions	610 x 450 x (370 + 430) mm	850 x 680 x (400 + 430) mm
Weight	70 kgs	130 kgs