BioLAB

PRODUCT CATALOG

PILOT-SCALE FREEZE DRYER BFFT-403

CE ISO9001 CERTIFIED

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PILOT-SCALE FREEZE DRYER BFFT-403

PILOT FREEZE DRYER

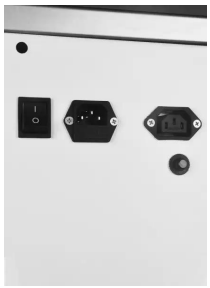
SPECIFICATIONS

Model	BFFT-403
Shelf Specification	
-Shelf size (mm)	300 x 400
-No. of Shelves	1
-Shelf Temperature Control (°C)	-50 °C to 60 °C
-Lowest Shelf temperature (50/60 Hz, °C)	≤ -50 °C
-Temperature Control Accuracy	±0.5 °C
-Shelf Temperature Cooling rate (20 to -40 °C)	≤ 60 min
-Shelves Temperature uniformity (°C)	±1 °C
-Shelves distance	60 mm
-Material of Shelves	SS304 (SS316 optional)
-Vials load capacity (Ø16 mm)	450 pcs (Top stopper type is 840)
-Vials load capacity (Ø22 mm)	234 pcs (Top stopper type is 840)
Condenser specification	
-Condenser Lowest Temperature (°C)	≤ -65 °C
-Condenser Temperature Cooling rate (20 to -40 °C)	≤ 30 min
-Ice capacity in 24 h (L)	2 L
-Max ice condenser (L)	2 L
-Condenser surface	-
-Condenser structure	Stainless Coils
Refrigeration System	
-Compressor	1 pc Tecumseh/Embraco
-Compressor power	1.5 HP
-Cooling	Air cooling
-Shelves Cooling	Silicon oil recycling (5cs)
-Condenser cooling	Direct cooling
Vacuum System	
-Vacuum Gauge	ZJ54T
-Optional CM gauge	CM-Pirani pressure difference used to determine freeze-drying end point
-Lowest Pressure	< 1 Pa
-Vacuum control range	1 to 50 Pa
-Vacuum Control mode	Gas permeation: solenoid valve + micro valve; automatic program control
-Vacuum pump	DRV 10 (10 m^3/h) with Mist Filter

Recycling/Heating & Control	
-Recycling pump	SJ stainless magnetic pump
-Heater	0.15 kW x2 (one main and one backup)
-Heater protection	Over heater protecter
-Top stopper system (optional)	for loading vials
Control system	
-PLC	PLC
-Touch display	7 inch touch display
-Control	Auto / Semi Auto / Manually
Machine Equipment	
-Rated power	Required 1.8 kW (50/60 Hz, 220-240 V)
-Machine structure	Integrated (vacuum pump inside the machine)
-Size (mm)	1020x810x790 mm + Vacuum pump (690x270x290 mm)
-Weight (kg)	(Approx)170 kg
Alt Name	Pilot Freeze Dryer








Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com