

FreeZone® Bulk Tray Dryers

Specifications



Application suitability:

- Moderate to large bulk sample loads or numerous sample batches

All models feature:

- Three shelves, each 12.7" w x 16.6" d (32.2 x 42.2 cm) to provide 210 square inches of area. Chamber may accommodate two additional shelves (additional shelves sold separately)
- * 200-watt heater on each shelf for heating to +60° C (+140° F). Maintains system temperature within 3° C of set point. (Shelves are not cooled by the Bulk Tray Dryer. Samples must be pre-frozen)
- Three sensor probes for monitoring sample temperature. Connections for two additional sensors are provided (additional sensors sold separately)
- * System programming displayed on the FreeZone 6, 12 or 18 Liter Freeze Dryer (freeze dryer sold separately): Manual or Program mode; probe temperatures in °C or °F, vacuum in mBar, Torr or Pa; segment of the program in progress; time remaining in present segment; alarms; shelf temperature variation > ±3° C; failure to reach shelf set point temperature ±3° C; and program completed
- * Data logging, when enabled, stores and displays data in table or graph on the FreeZone 6, 12 or 18 Liter Freeze Dryer (freeze dryer sold separately). Export data via USB or Ethernet
- Vacuum release valve with knob
- Stainless steel and powder-coated steel exterior
- Acrylic door, 1" thick, with silicone gasket and latch

* Labconco exclusive feature

- 3" dia. outlet, located on the bottom of the tray dryer cabinet, for connection to a FreeZone 6, 12 or 18 Liter Console Freeze Dryer (freeze dryer sold separately)
- * Integral support stand with attachment port for connection to FreeZone 6, 12 or 18 Liter Console Freeze Dryer (freeze dryer sold separately)
- Overall dimensions: 32.2" w x 21.5" d x 27.1" h (81.8 x 54.6 x 68.8 cm)

Standards conformance & regulations:

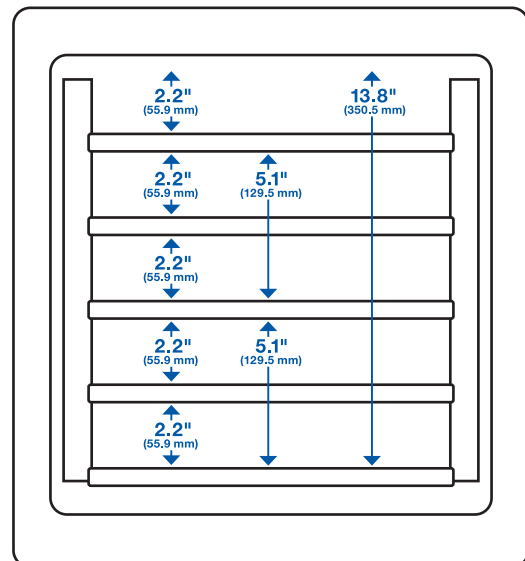
- UL Standard 61010-1 (115/230V, 60 Hz models)
- CAN/CSA C22.2 No. 61010-1 (115/230V, 60 Hz models)
- CE Conformity marking (230V, 50 Hz models)

Options include:

- 6-Port Tray Dryer Manifold, 30.0" w x 16.5" d x 7.0" h (76.2 x 41.9 x 17.8 cm)
- Isolation Valve

All models require (not included):

- FreeZone 6, 12 or 18 Liter Console Freeze Dryer with Lyo-Works OS. See pages 18-20
- Vacuum pump with a displacement of at least 163 L/min, 0.007 mBar ultimate pressure and fitting for 3/4" ID vacuum hose. See pages 41-44
- Freeze dry glassware if not bulk freeze drying. See pages 46, 50



Shelf Spacing Dimensions

FreeZone® Bulk Tray Dryers

Ordering Information

Catalog Number Configurator:

Use this key to configure the nine digit catalog number to order your FreeZone Bulk Tray Dryer.

7 8 0 6 0 1

Select **OPTIONS** for your tray dryer. This is the seventh digit of your catalog number.

- 0 = None
- 1 = 6-Port Tray Dryer Manifold
- 2 = Isolation Valve
- 3 = 6-Port Tray Dryer Manifold and Isolation Valve

Select the **ELECTRICAL CONFIGURATION** and **PLUG TYPE** of your freeze dryer. These are the eighth and ninth digits of your catalog number.

- 00 = 115V, 60 Hz, with 15A plug for North America
- 10 = 230V, 60 Hz, with plug for North America
- 15 = 230V, 60 Hz, with plug for Saudi Arabia
- 30 = 230V, 50 Hz, with Schuko plug
- 40 = 230V, 50 Hz, with plug for China/Australia
- 50 = 230V, 50 Hz, with plug for Great Britain (UK)
- 70 = 230V, 50 Hz, with plug for India

Electrical Requirements

Volts	Amps
115	8
230	4

Shipping Weights

Options Included	Shipping Weight
None	248 lbs. (113 kg)
6-Port Tray Dryer Manifold	263 lbs. (119 kg)
Isolation Valve	256 lbs. (116 kg)
6-Port Tray Dryer Manifold and Isolation Valve	283 lbs. (128 kg)

Plug Configurations



115V, 60 Hz, 15A for North America



230V, 60 Hz for North America



230V, 60 Hz for Saudi Arabia



230V, 50 Hz Schuko



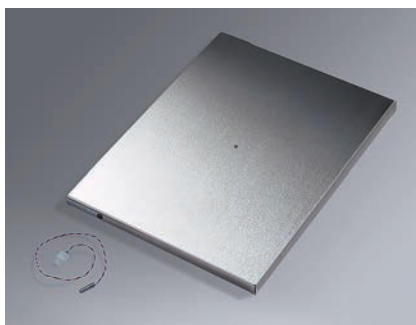
230V, 50 Hz for China/Australia



230V, 50 Hz for Great Britain (UK)



230V, 50 Hz for India



Heated Shelves with Sensors. 12.7" w x 17.0" d (32.2 x 43.2 cm). Stainless steel shelf includes 200-watt heater and temperature probe. FreeZone Bulk Tray Dryers include three and can accommodate two additional Heated Shelves with Sensors.

Catalog Number	Description	Shipping Weight
730151000	Heated Shelf with Sensor for 115V, 50/60 Hz operation	18 lbs. (9 kg)
730151010	Heated Shelf with Sensor for 230V, 50/60 Hz operation	18 lbs. (9 kg)
736581000	Replacement Temperature Probe only	0.5 lb. (0.2 kg)

Authorised distributor

In Australia:

For customer service, call 1300-735-292
To fax an order, use 1800-067-639
To email an order, ordersau@thermofisher.com

In New Zealand:

For customer service, call 0800-933-966
To fax an order, use 0800-329-246
To email an order, ordersnz@thermofisher.com

ThermoFisher
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