



Catalog Number: 780601300

Overview

FreeZone Bulk Tray Dryers lyophilize moderate to large bulk sample loads or numerous small batches of vials or serum bottles. The Bulk Tray Dryers have three large, 12.7" x 16.6" shelves that heat up to +60° C. Options include a 6-port manifold, isolation valve, additional heated shelves and sample trays.

Lyo-Works™ OS lets the user set up to 30 programs, with up to 16 steps each; record, chart and store data; and receive email alerts. The tray dryer connects to a FreeZone Console Freeze Dryer that provides a real time display of the tray dryer's parameters on a large capacitive touch screen.

FreeZone Console Freeze Dryer manufactured after July 2017 and vacuum pump are required (not included).

Specifications

- **Weight:** 283.0 lbs
- **Weight metric:** 128.0 kg
- **Dimensions:** 32.2" w x 21.5" d x 27.1" h
- **Dimensions metric:** 81.8 x 54.6 x 68.8 cm
- **Electrical:** 115V, 50/60 Hz, 8A
- **Region:** U.S. and Canada
- **Applicable Products:** FreeZone 12 Liter, FreeZone 18 Liter, FreeZone 6 Liter
- **Built-In Option:** 6-Port Manifold, Isolation Valve
- **Conformance:** CAN/CSA C22.2, UL
- **Plug Type:** North America, 115V
- **Vacuum Pump Displacement Required:** 163 L/min or larger displacement

Description

Features (All Models)

- Brushed stainless steel and glacier white, powder-coated steel exterior with blue accents.
- Acrylic door, 1" thick, with silicone gasket and latch.
- Three shelves, each 12.7" w x 16.6" d (32.2 cm x 42.2 cm) to provide 210 square inches of area. Chamber may accommodate two additional shelves (sold separately).
- 200-watt heater on each shelf for heating to +60° C (+140° F). A microprocessor 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 that is 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, Pa or Torr; segment of the program that is in progress; time remaining in present segment; alarms for power failure; shelf temperature variation $>\pm 3^{\circ}$ C; failure to reach shelf set point temperature $\pm 3^{\circ}$ C; and program completed.
- Data logging and storage, when enabled, that stores and displays data in table or chart on the FreeZone 6, 12 or 18 Liter Freeze Dryer (freeze dryer sold separately). Data logging may be exported via USB or Ethernet from the FreeZone Freeze Dryer.
- Vacuum release valve with knob for venting the chamber so the chamber door may be opened.
- Side-mounted power switch.
- Integral support stand with attachment port for connection to FreeZone 6, 12 or 18 Liter Console Freeze Dryer of your choice (freeze dryer sold separately).

Options Include

- 6-Port Tray Dryer Manifold, 30.0" w x 16.5" d x 7.0" h (76.2 cm x 41.9 cm x 17.8 cm). Six valves accommodate either 1/2" or 3/4" flask adapters and connect to flasks and other freeze dry glassware.
- Isolation Valve, isolates the tray dryer from the freeze dryer to shorten the time necessary to reestablish working vacuum levels and provide a means for determining end point.
- Region-specific electrical plug configurations.

Required Accessories (Not Included)

- FreeZone 6, 12 or 18 Liter Console Freeze Dryer manufactured after July 2017.
- Vacuum pump with a displacement of at least 163 L/min, 0.002 mBar ultimate pressure and fitting suitable for 3/4" ID vacuum hose.

For Product Assistance



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