



FreeZone 6 Liter -50C Console Freeze Dryers with Stoppering Tray Dryers

FreeZone 6 Liter Console Freeze Dryers with Stoppering Tray Dryers are designed for lyophilizing moderate to large loads and stoppering vials or serum bottles under vacuum. The console features a front viewing window and interior space for a vacuum pump (sold separately).



The console's upright stainless steel collector coil holds 6 liters of ice before defrosting. A single 3/4 hp HCFC/CFC-free refrigeration system cools the collector to -50° C (-58° F), suitable for aqueous samples.

The Stoppering Tray Dryer features three 16.5 x 12" processing shelves. A single 1 hp HCFC/CFC-free refrigeration system and 1000 watt electric heater cool and heat the fluid medium circulating through channels in the shelves.

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Lyo-Works™ OS provides remote notification and data collection on freeze dryer. Include Stoppering Tray Dryer to lyophilize and stopper vials under vacuum. Suitable for lyophilizing aqueous samples.

Additional Features & Specifications

Features (All Models)

- Upright stainless steel collector coil capable of holding 6L of ice before defrosting. Acrylic collector lid, 3/4" thick, has neoprene gasket.
- Console cabinet with interior space for vacuum pump (sold separately) and two-piece, removable front panel with viewing window.
- Clear acrylic chamber lid, 3/4" thick, with neoprene gasket.
- [FreeZone Stoppering Tray Dryer](#).
- Brushed stainless steel and glacier white, powder-coated steel exterior with blue accents.
- Full color, 5" capacitive touch screen with Lyo-Works™ OS:
approximately 5 minutes and the collector warms above safe limits, the freeze dryer will not automatically restart.
- Side-mounted USB port and rear-mounted Ethernet connection.
- Front-mounted, quick-disconnect drain hose fitting and side-mounted lanyard with hose connector. 18", 1/4" ID silicone tubing and clamp included.
- Internal electrical receptacle for vacuum pump connection.
- 3-wire electrical cord with plug.
- 3/4" OD vacuum connection, 36" of 3/4" ID vacuum hose and two clamps.

- Real time display of collector temperature, vacuum level, and optional End-Zone™ end point detection system.
- Start-up mode for collector cool-down and vacuum pull-down (automatic or manual).
- Operating mode (standby or run).
- Vacuum set point, alerts, diagnostic tests, user manual, defrost control, and optional drying accessory parameters.
- Data logging stores and displays data in table or chart format, and may be exported via USB or Ethernet.
- Settings include language (English, Spanish, French, German, or Italian), time, time zone, temperature (° C or ° F), and vacuum (mBar, Torr, or Pa).
- Alerts are programmable to send via Ethernet connection to user-entered email addresses.
- Display settings include brightness, touch sounds (on/off), and screen time out in minutes (on/off).
- Maintenance alert settings include vacuum pump oil change, refrigeration cleaning, total operating hours and line voltage offset.
- Level-specific security lock-out prevents changes to programs and other system parameters.
- Hot gas defrost with auto shut off at +60° C (+140° F).
- On/standby switch.
- Moisture sensor that prevents refrigeration or vacuum start-up when moisture is detected in the drain line.
- Vacuum control valve that maintains vacuum level set point.
- Vacuum break valve that bleeds air into the system when power to the freeze dryer or vacuum pump is shut off. If a power outage less than approximately 5 minutes occurs, the freeze dryer will restart and the refrigeration and vacuum system will resume operation once power is restored. If the power failure is more than

Options Include

- PTFE-coated collector coil and chamber for processing involving corrosive compounds.
- Purge valve for isolating the vacuum pump from the freeze dryer.
- Region-specific electrical plug configurations.

Required Accessories (Not Included)

- 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.
- Freeze dry glassware if not bulk freeze drying.

[FreeZone 6 Liter -50C Console Freeze Dryer with Stoppering Tray Dryer](#)



Region: U.S. and Canada

Collector Temperature: -50° C, -58° F

Ice Holding Capacity: 6L

Options Included: Stoppering Tray Dryer

Plug Type: North America, 115V

Style: Console

[FreeZone 6 Liter -50C Console Freeze Dryer with Stoppering Tray Dryer](#)



Region: U.S. and Canada, International

Collector Temperature: -50° C, -58° F

Ice Holding Capacity: 6L

Options Included: Stoppering Tray Dryer

Plug Type: North America, 230V

Style: Console

[FreeZone 6 Liter -50C Console Freeze Dryer with Stoppering Tray Dryer](#)

Catalog # 700621015



Region: International

Collector Temperature: -50° C, -58° F

Ice Holding Capacity: 6L

Options Included: Stoppering Tray Dryer

Plug Type: Saudi Arabia

Style: Console

[FreeZone 6 Liter -50C Console Freeze Dryer with Stoppering Tray Dryer](#)

Catalog # 700621030



Region: International

Collector Temperature: -50° C, -58° F

Ice Holding Capacity: 6L

Options Included: Stoppering Tray Dryer

Plug Type: Schuko

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tray
Dryer](#)



Catalog # 700621070

Region: International

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Stoppering Tray
Dryer

Plug Type: India

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tray
Dryer](#)



Catalog # 700622010

Region: U.S. and Canada,
International

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-
Resistant Collector, Stoppering Tray
Dryer

Plug Type: North America, 230V

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tray
Dryer](#)



Catalog # 700622030

Region: International

Collector Temperature: -50° C,

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tra
Dryer](#)



Catalog # 700622000

Region: U.S. and Canada

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-
Resistant Collector, Stoppering Tray
Dryer

Plug Type: North America, 115V

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tra
Dryer](#)



Catalog # 700622015

Region: International

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-
Resistant Collector, Stoppering Tray
Dryer

Plug Type: Saudi Arabia

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tra
Dryer](#)



Catalog # 700622040

Region: International

Collector Temperature: -50° C,

Options Included: Corrosion-

Resistant Collector, Stoppering Tray
Dryer

Plug Type: Schuko

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tray
Dryer](#)

Catalog # 700622050



Region: International

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-
Resistant Collector, Stoppering Tray
Dryer

Plug Type: British (UK)

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tray
Dryer](#)



Catalog # 700621100

Region: U.S. and Canada

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Purge Valve,
Stoppering Tray Dryer

Plug Type: North America, 115V

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tray
Dryer](#)

Catalog # 700621115

Options Included: Corrosion-

Resistant Collector, Stoppering Tray
Dryer

Plug Type: China/Australia

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tra
Dryer](#)

Catalog # 700622070



Region: International

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-
Resistant Collector, Stoppering Tray
Dryer

Plug Type: India

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tra
Dryer](#)



Catalog # 700621110

Region: U.S. and Canada,
International

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Purge Valve,
Stoppering Tray Dryer

Plug Type: North America, 230V

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tra
Dryer](#)

Catalog # 700621130



Region: International
Collector Temperature: -50° C,
-58° F
Ice Holding Capacity: 6L
Options Included: Purge Valve,
Stoppering Tray Dryer
Plug Type: Saudi Arabia
Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tray
Dryer](#)

Catalog # 700621140



Region: International
Collector Temperature: -50° C,
-58° F
Ice Holding Capacity: 6L
Options Included: Purge Valve,
Stoppering Tray Dryer
Plug Type: China/Australia
Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tray
Dryer](#)



Catalog # 700621170

Region: International
Collector Temperature: -50° C,
-58° F
Ice Holding Capacity: 6L
Options Included: Purge Valve,
Stoppering Tray Dryer
Plug Type: India
Style: Console



Region: International
Collector Temperature: -50° C,
-58° F
Ice Holding Capacity: 6L
Options Included: Purge Valve,
Stoppering Tray Dryer
Plug Type: Schuko
Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tra
Dryer](#)

Catalog # 700621150



Region: International
Collector Temperature: -50° C,
-58° F
Ice Holding Capacity: 6L
Options Included: Purge Valve,
Stoppering Tray Dryer
Plug Type: British (UK)
Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tra
Dryer](#)



Catalog # 700622100

Region: U.S. and Canada
Collector Temperature: -50° C,
-58° F
Ice Holding Capacity: 6L
Options Included: Corrosion-
Resistant Collector, Purge Valve,
Stoppering Tray Dryer
Plug Type: North America, 115V
Style: Console

Catalog # 700622110



Region: U.S. and Canada,
International

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-
Resistant Collector, Purge Valve,
Stoppering Tray Dryer

Plug Type: North America, 230V

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tray
Dryer](#)

Catalog # 700621040



Region: International

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Stoppering Tray
Dryer

Plug Type: China/Australia

Style: Console

[Freeze Dryer with Stoppering Tra
Dryer](#)



Catalog # 700622115

Region: International

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-
Resistant Collector, Purge Valve,
Stoppering Tray Dryer

Plug Type: Saudi Arabia

Style: Console

[FreeZone 6 Liter -50C Console
Freeze Dryer with Stoppering Tra
Dryer](#)

Catalog # 700621050



Region: International

Collector Temperature: -50° C,
-58° F

Ice Holding Capacity: 6L

Options Included: Stoppering Tray
Dryer

Plug Type: British (UK)

Style: Console

[FreeZone 6 Liter -50C Console Freeze Dryer with Stoppering Tray Dryer](#)



Catalog # 700622130

Region: International

Collector Temperature: -50° C, -58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-Resistant Collector, Purge Valve, Stoppering Tray Dryer

Plug Type: Schuko

Style: Console

[FreeZone 6 Liter -50C Console Freeze Dryer v Stoppering Tray Dryer](#)



Catalog # 700622140

Region: International

Collector Temperature: -50° C, -58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-Resistant Collector Purge Valve, Stoppering Tray Dryer

Plug Type: China/Australia

Style: Console

[FreeZone 6 Liter -50C Console Freeze Dryer with Stoppering Tray Dryer](#)



Catalog # 700622150

Region: International

Collector Temperature: -50° C, -58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-Resistant Collector, Purge Valve, Stoppering Tray Dryer

Plug Type: British (UK)

Style: Console

[FreeZone 6 Liter -50C Console Freeze Dryer v Stoppering Tray Dryer](#)



Catalog # 700622170

Region: International

Collector Temperature: -50° C, -58° F

Ice Holding Capacity: 6L

Options Included: Corrosion-Resistant Collector Purge Valve, Stoppering Tray Dryer

Plug Type: India

Style: Console

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