

# SCIENTIFIC PRO FREEZE DRYER



X-LARGE, STAINLESS STEEL

## FEATURES

- Capable of freeze drying as much as a 7-9 gallons of material
- Full-color touch screen display
- Recipe customization (up to 10 Thermal Treatment and 12 Drying steps)
- Rate of freeze can be sped up or slowed down
- Control of the ultimate final freeze temperature
- Control of the amount of time a material is held at the ultimate freeze temperature before the drying cycle is started
- Control of the shelf temperature during the dry cycle. This includes setting as many as five different shelf temperatures, allowing the material to dry in phases, at different temperatures.
- Shelf heaters can be set to automatically control the rate of sublimation during the primary drying cycle. Through this process, the unit has control of the attendant vacuum pressure. The system records and maintains a log of the pressure and temperature during all parts of the freeze-dry cycle
- Provides ongoing, real-time display of pressure and temperature
- The unit can also connect to and communicate the freeze dryer cycle data to a nearby PC through an ethernet cable

## DIMENSIONS

Overall product dimensions: 24.3" W x 37.4" D x 35.6" H

Tray Dimensions: 10.9" W x 29.5" D x 0.75" H

Tray Space: 2,251 sq. inches

## WEIGHT

265 lbs

## WARRANTY

3 Year limited warranty.

## POWER

110 volt outlet (NEMA 5-20). A dedicated 20 amp circuit is required.

## SHIPPING INFO

Item will only be delivered to physical addresses.



7-Tray Capacity

## OIL-FREE VACUUM PUMP

The oil-free vacuum pump can be used with any size freeze dryer. They are quiet, fast, and easy to use. The Harvest Right oil-free vacuum pumps do not require oil changes and do not require regular user maintenance.

## SPECS

Voltage: Standard 115V 60Hz

Plug: US 110V

Intake Port:  $\frac{3}{4}$  JIC flare

Dimensions: 15  $\frac{1}{4}$ " H x 22  $\frac{1}{4}$ " D x 13  $\frac{1}{2}$ " W

Weight: 53 lbs



**DIMENSIONS** 15  $\frac{1}{4}$ " H x 22  $\frac{1}{4}$ " D x 13  $\frac{1}{2}$ " W

## FREEZE DRYER WITH PUMP



## TECHNICAL SPECIFICATIONS

**DIMENSIONS** 22.5" W x 25.5" D x 32.5" H

**MIN. TEMP. RATING** COLLECTOR COOLS TO -46°C

**AMPS** 12.5 AMPS MAX DRAW AT 110 VAC AND

8 AMPS MAX DRAW AT 220 VAC

