

Overview



The Refrigerated CentriVap Centrifugal Concentrator is designed to rapidly concentrate multiple small heat-sensitive samples, such as RNA and proteins, using centrifugal force, vacuum and controlled temperature. This exclusive concentrator combines a refrigeration system that cools to -4° C with a heater that warms to 100° C to achieve the user's desired set point temperatures.

Catalog Number: 7310020

Specifications

- **Weight:** 108.0 lbs
- **Weight metric:** 49.0 kg
- **Dimensions:** 14.3" w x 21.7" d x 16.6" h
- **Dimensions metric:** 36.3 x 55.1 x 42.2 cm
- **Electrical:** 115 V, 60 Hz, 16 amps
- **Region:** U.S. and Canada
- **300-Watt Heat Boost:** Not Included
- **CentriVap Optional Accessories:** CentriZap Strobe Light, Laboratory Carts, Rotors, Vacuum Controller
- **CentriVap Required Accessories:** Diaphragm or Rotary Vane Vacuum Pump, Rotor, Sample Tubes
- **Conformance:** ETL, ETL
- **Receptacle and Plug Type:** North America, 115 volts, 20 amps
- **Style:** Benchtop
- **Type/Application:** Temperature-Sensitive Samples

Description

Compliance

- UL 3101-1/61010-1
- CAN/CSA C22.2 No. 110.1 (115 V models)
- CE Conformity Marking (230 V models)

Features

- Brushed stainless steel and glacier white, epoxy-coated steel exterior with blue accents.
- Lid latch with safety sensor.
- Phenol-free lid gasket.
- Epoxy-coated aluminum chamber.
- 1/4 hp refrigeration system to cool chamber to -4° C.
- 300-watt heater to heat chamber to +100° C.
- Sensor that reads internal chamber temperature.
- Microprocessor-controlled programming for "Temperature 1" from -4° C to +100° C, "Temperature 1" time from 1 to 999 minutes or indefinite, "Temperature 2" from -4° C to +100° C, and "Temperature 2" time from 0 to 999 minutes or indefinite. Memory stores 1 to 9 programs.
- LCD for display of program number, set point and actual "Temperature 1 and 2," set point and time remaining for "Temperature 1 and 2," and refrigeration activation ("Y" or "N").
- Control panel with RUN/STOP button, PREHEAT/ COOL button, set point SELECT button, increase/ decrease buttons, and 3 Quick-Start buttons.
- Centrifugal motion is provided by a brushless motor capable of achieving up to 1725 rpm.
- Quick-Stop System to stop vacuum pump, open valve to bleed air into the chamber and stop the rotor within seconds after time expires or RUN/STOP button is pressed.
- Automatic vacuum release valve.
- Built-in vacuum delay allows rotor to achieve speed before applying vacuum.
- Audible alarm to signal completion of set point run time.
- 1/2" OD aluminum hose fitting for connection to vacuum tubing. Vacuum pump is not included.
- Vacuum port with quick disconnect fitting for 1/4" ID tubing.
- 115 volt models have a 115 volt electrical receptacle on the back to connect accessory vacuum pump to the system.
- 230 volt models have a reverse IEC electrical receptacle on the back to connect accessory vacuum pump to the system.
- 115 volt models have a 10-foot, 3-wire cord with NEMA 5-20 plug.
- 230 volt models have an 8-foot cord with NEMA 6-20 plug.
- Overall dimensions with closed lid: 14.7" wide x 21.7" deep x 16.6" high (37.3 x 55.1 x 42.2 cm).
- Actual weight 95 lbs. (43 kg). Shipping weight 108 lbs. (49 kg).

Options

- International electrical configuration
- Glass lid

Required Accessories

- Diaphragm or Rotary Vane Vacuum Pump
- CentriVap Cold Trap if using a Rotary Vane Vacuum Pump
- Rotors
- Sample tubes

Optional Accessories

- CentriZap Strobe Light
- Vacuum Controller
- Laboratory Carts

For Product Assistance



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