



## Overview

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Using centrifugal force, vacuum and controlled heat, the Acid-Resistant CentriVap Vacuum Concentrator rapidly concentrates multiple small samples containing chemicals such as 0.1 to 1% TFA, hydrochloric acid, acetic acid, hydrobromic acid, ammonium hydroxide and sodium hydroxide. Components in the vapor path are constructed of corrosion-resistant materials for long life.

**Catalog Number:** 7810016

## Specifications

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- **Weight:** 65.0 lbs
- **Weight metric:** 29.0 kg
- **Dimensions:** 14.7" w x 19.3" d x 11.7" h
- **Dimensions metric:** 37.3 x 49.0 x 29.7 cm
- **Electrical:** 110/115 V, 50/60Hz, 12 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:** Acid Resistant Rotor, Diaphragm or Rotary Vane Vacuum Pump, Sample Tubes
- **Conformance:** ETL, ETL
- **Lid Type:** Glass
- **Receptacle and Plug Type:** North America, 115 volts, 15 amps
- **Style:** Benchtop
- **Type/Application:** Acids

# Description

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## 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.
- Glass lid.
- Lid latch with safety sensor.
- Phenol-free lid gasket.
- PTFE-coated aluminum chamber with Hastelloy shaft.
- 300-watt heater.
- Microprocessor-controlled programming for run time from 1 to 999 minutes, heat from OFF to HI (100° C) in one degree increments, and heat time from 1 to 999 minutes. Memory stores 1 to 9 programs.
- LCD for display of program number, actual and set point temperature, heater time remaining, and run time remaining.
- Control panel with RUN/STOP button, PREHEAT 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 6.5-foot, 3-wire cord with NEMA 5-15 plug.
- 230 volt models have an 8-foot cord with NEMA 6-15 plug.
- Overall dimensions with closed lid: 14.7" wide x 19.3" deep x 11.7" high (37.3 x 49.0 x 29.7 cm).
- Actual weight 45 lbs. (20 kg). Shipping weight 65 lbs. (29 kg).

## Options

- International electrical configuration

## 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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