



Overview

The RapidVap Vacuum Evaporation Systems are ideal for preparation of samples in a variety of applications including drug discovery, agrichemistry, mycology testing and environmental analysis. The systems use vacuum along with heat and vortex motion to help speed evaporation and provide an alternative to traditional centrifugal evaporation methods. These systems may be used with a broad range of aggressive chemicals. Heat is supplied by a dry block heating system that, unlike water baths, adds no potential source of contamination and requires no maintenance.

The RapidVap Vacuum Evaporation Systems accommodate twelve different, interchangeable accessory sample blocks holding sample volumes from just a few milliliters to as large as 450 milliliters. As many as 110 each 12 or 13 mm tubes may be loaded at once. Additional blocks accommodate various tube types including conical centrifuge tubes and scintillation vials. Contact Labconco about custom blocks to fit special glassware configurations such as VOA vials.

Catalog Number: 7900001

Specifications

- **Weight:** 100.0 lbs
- **Weight metric:** 45.0 kg
- **Dimensions:** 20.7"w x 18.4"d x 13.5"h
- **Dimensions metric:** 53 x 47 x 34 cm
- **Electrical:** 230 volts, 50/60 Hz, 3.5 amps, International
- **Region:** International
- **Conformance:** CE
- **Product Subcategory:** Vacuum System with Vortex Motion

Description

Compliance

- UL 61010-1

Features

- Fast evaporation rates. Methylene chloride evaporates at a rate up to 4.8 ml/minute/tube. Water evaporates at a rate up to 0.75 ml/minute/tube.
- Microprocessor-controlled vacuum level speeds evaporation.
- Rear-mounted 1/2" OD vacuum port attaches to a vacuum pump(sold separately).
- Automatic vacuum release in the event of power failure
- Microprocessor-controlled 1000-watt dry block heating system supplies a controlled amount of heat up to 100° C.
- Microprocessor-controlled vortex motion increases surface area for faster evaporation.
- Maintenance-free, microprocessor-controlled motor provides smooth variable-speed power to drive the vortex motion up to 1000 rpm.
- PTFE-coated aluminum chamber
- Epoxy-coated cast aluminum cabinet base and acrylic/PVC thermoplastic upper housing
- Glass lid with Lexan shield
- Dual lid clamps
- Phenol-free gasket provides complete sealing under vacuum.
- Alarm signals completion of run allowing samples to be left unattended while evaporating to desired end point.
- Up to 9 different user-set programs, each with different parameter set points, may be stored in memory. Parameters of time, heat, vortex speed and vacuum may be set.
- Easy-to-read LCD display
- All mechanical components are isolated from the chemical fumes and vapors for longer life.
- ETL listed (115 volt models)
- CE conformity (230 volt models)
- Overall dimensions with closed lid: 20.7" wide x 18.4" deep x 13.5" high (52.6 x 46.7 x 34.3 cm)
- Full one year warranty

Options

- Glass lid with 40-watt heater to prevent condensation
- Two-way RS-232 Link to allow remote control of functions from a user-supplied personal computer
- International electrical configuration

Required Accessories

- Diaphragm Vacuum Pump or Rotary Vane Direct Drive Vacuum Pump
- Aluminum sample block
- Glassware

Optional Accessories

- Traps and Other Vacuum Pump Accessories
- Laboratory Carts and Benches

