

RapidVap N2/48 Dry Evaporation System

Catalog Number: 7910013



Weight: 100.0 lbs

Weight metric: 45.0 kg

Dimensions: 21.7"w x 19"d x 13.5"h

Dimensions metric: 55 x 48 x 34 cm

Electrical: 230 volts, 50/60 Hz, 4 amps, International

Conformance: CE

Electrical Standard: International
Product Subcategory: N2 System with Vortex Motion (nitrogen blow down)

RapidVap N2/48 Evaporation Systems use nitrogen blow down, vortex motion and heat to speed evaporation of up to 48 small samples or eight 450 milliliter samples at once. A stream of nitrogen or dry gas is directed downward onto the surface of the sample. Nitrogen blow down reduces the partial pressure directly over the liquid to speed evaporation and help remove the solvent as it evaporates. These Systems may be used to prepare samples for applications such as drug development and metabolism, biochemistry, combinatorial chemistry, environmental testing, forensics and toxicology.

There are eight clusters of six ports each. Nitrogen may be delivered to 2, 4, 6 or 8 clusters at once so that nitrogen is conserved when a full load is not required. Microprocessor-controlled vortex motion increases surface area for faster evaporation while continually mixing the sample to maximize recovery. Utilizing a dry block heating method, RapidVap N2/48 Systems provide a more reliable alternative to maintenance-intensive, contamination-prone water baths.

Compliance

- UL 61010-1

Features

- Fast evaporation rates.
- Microprocessor-controlled nitrogen blow down manifold introduces nitrogen to 2, 4, 6 or 8 clusters of 6 sample tubes.
- 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 500 rpm.
- PTFE-coated aluminum chamber
- Epoxy-coated cast aluminum cabinet base and acrylic/PVC thermoplastic upper housing
- Glass lid
- Dual lid clamps
- Phenol-free gasket provides complete sealing.
- Audible alarm with automatic shut down for timed end point
- Audible/visual alarm for end point detected by temperature sensors at heater and block..
- 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 number of active nitrogen positions may be set.
- Easy-to-read LCD display
- Two-way RS-232 Link to allow remote control of functions from a user-supplied