

RapidVap N2/48 Dry Evaporation Systems



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.

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These multi-sample evaporators use a combination of nitrogen blow down, dry heat and vortex motion to evaporate up to 48 samples at once.

Additional Features & Specifications

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 personal computer
- 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: 21.7" wide x 19" deep x 13.5" high (55.1 x 48.3 x 34.3 cm)
- Full one year warranty

Options

- International electrical configuration

Required Accessories

- Aluminum sample block
- Glassware
- Nitrogen with flow rate of 3.5 CFM/100 LPM minimum
- Gas pressure regulator (pressure not to exceed 20 psi)

Optional Accessories

- Laboratory Carts and Benches

RapidVap N2/48 Dry Evaporation Systems



Catalog # 7910012

Region: U.S. and Canada

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

RapidVap N2/48 Dry Evaporation Systems with RS-232 link



Catalog # 7910014

Region: U.S. and Canada

Included Accessories: RS-232 link

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

RapidVap N2/48 Dry Evaporation Systems



Catalog # 7910013

Region: International

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

RapidVap N2/48 Dry Evaporation Systems with RS-232 link



Catalog # 7910015

Region: International

Included Accessories: RS-232 link

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

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