

# RapidVap® N<sub>2</sub> and N<sub>2</sub>/48 Evaporators

## Features & Benefits



### 1000-watt dry block heating system

Speeds evaporation rate by supplying a controlled amount of heat from ambient up to a maximum of 100° C to the sample block. Heater and block move in tandem for more efficient heat transfer. Unlike water baths, the dry heating system adds no potential source of contamination and requires no maintenance.

### Faster evaporation rates, greater throughput

Vortex action, heat and nitrogen blow down combine to accelerate evaporation.

### Phenol-free gasket

Provides complete sealing under vacuum.

### PTFE\*-coated sample block

Provides chemical resistance (included with N<sub>2</sub> models).

### Microprocessor-controlled nitrogen blow down manifold

Nitrogen helps facilitate phase change from liquid to gas.

### PTFE\*-coated chamber

Aluminum with PTFE for a broad range of chemical compatibility.

### Microprocessor-controlled vortex motion increases surface area for faster evaporation

Vortex action continually mixes sample, helps contain analytes in the solvent by constantly rinsing tube walls and maximizes sample recovery.

### Unique Cool-Zone™ on RapidVap N<sub>2</sub>

Insulates sample remaining in glassware stem to permit desired end point.

### Audible/visual alarms

Signal completion of run allowing samples to be left unattended while evaporating to desired end point.

### Dual lid clamps

Two clamps hold the lid securely in place.

### Glass lid

Chemical-resistant and detaches for cleaning.

### Microprocessor-controlled motor

Maintenance-free, brushless DC motor ensures safety and reproducibility for protocols.

### Full one year warranty



### Program

LCD shows program from 1 to 9, R for run or S for stop.

### Speed

LCD shows vortex speed from 0 to 100%.

### Heat

LCD shows heat from OFF to 99 (° C) or HI (100° C).

### Time

LCD shows time selected from 1 to 999 minutes.

### Sample

LCD shows number of sample or clusters of samples selected to receive nitrogen blow down; 2, 4, 6 or 8.

\*Polytetrafluoroethylene



# RapidVap® N<sub>2</sub> and N<sub>2</sub>/48 Evaporators

## Ordering Information



- Moderate sample throughput
- End-point determination
- Introduce nitrogen to tubes in sets of two
- Eight tube capacity

**RapidVap N<sub>2</sub> Evaporator**



- Small to moderate sample throughput
- Ideal for volatile samples
- Introduce nitrogen in clusters of six
- 48 tube capacity

**RapidVap N<sub>2</sub>/48 Evaporator**

### RapidVap N<sub>2</sub> Evaporators

Catalog Number	Built-In Option	Electrical Requirements	Receptacle & Plug Type	Overall Dimensions (w x d x h)	Shipping Weight
7910000		115V, 50/60 Hz, 9A	North America, 115V, 20A	21.7" x 19.0" x 13.5"	107 lbs. (49 kg)
7910010	RS-232 Link	115V, 50/60 Hz, 9A	North America, 115V, 20A	21.7" x 19.0" x 13.5"	107 lbs. (49 kg)
7910001*		230V, 50/60 Hz, 4.5A	Schuko, 230V, 15A	21.7" x 19.0" x 13.5"	107 lbs. (49 kg)
7910011*	RS-232 Link	230V, 50/60 Hz, 4.5A	Schuko, 230V, 15A	21.7" x 19.0" x 13.5"	107 lbs. (49 kg)

#### All models require (not included):

- Glassware. See pages 21-22
- Nitrogen source with flow rate of 0.6 CFM/17 LPM minimum. See page 22 for Nitro 2LV Nitrogen Generator or contact your nitrogen gas supplier.
- Gas pressure regulator. Pressure of 5-10 psi is typical. Pressure must not exceed 20 psi. Contact a local supplier.

### RapidVap N<sub>2</sub>/48 Evaporators

Catalog Number	Built-In Option	Electrical Requirements	Receptacle & Plug Type	Overall Dimensions (w x d x h)	Shipping Weight
7910012		115V, 50/60 Hz, 9A	North America, 115V, 20A	21.7" x 19.0" x 13.5"	108 lbs. (49 kg)
7910014	RS-232 Link	115V, 50/60 Hz, 9A	North America, 115V, 20A	21.7" x 19.0" x 13.5"	108 lbs. (49 kg)
7910013*		230V, 50/60 Hz, 4.5A	Schuko, 230V, 15A	21.7" x 19.0" x 13.5"	108 lbs. (49 kg)
7910015*	RS-232 Link	230V, 50/60 Hz, 4.5A	Schuko, 230V, 15A	21.7" x 19.0" x 13.5"	108 lbs. (49 kg)

#### All models require (not included):

- Sample Block. See page 21
- Glassware. See pages 18 and 21
- Nitrogen source with flow rate of 3.5 CFM/100 LPM minimum. See page 22 for Nitro 2LV Nitrogen Generator or contact your nitrogen gas supplier.
- Gas pressure regulator. Pressure of 5-10 psi is typical. Pressure must not exceed 20 psi. Contact a local supplier.

\*International electrical configuration.