

## 15 Position MICROVAP® Nitrogen Evaporator

### DESCRIPTION

The 15 Position MICROVAP (Catalog# 11815) is a portable blowdown evaporator designed for small batches of samples in similar sized tubes. Its compact design makes it ideal for laboratories with limited bench or hood space.

Each MICROVAP includes one set of custom heat block inserts, machined to fit the user's tubes, which provides optimal heat transfer. Additional heat block inserts (Cat# NA1802) are available for use with other tube sizes.

This unit efficiently evaporates samples through a combination of an aluminum heat block and nitrogen gas blowdown. The nitrogen distribution manifold offers continuous and evenly dispersed gas flow to each sample position through stainless steel needles. This manifold raises and lowers as a unit to start and stop gas flow to all samples with one motion.

The MICROVAP dry block heater base is standard between the 24, 15, and single plate models, making it easy to convert between the different models to accommodate both microplate and tube samples.



### STANDARD FEATURES

- Adjustable flow meter to conserve nitrogen gas **(0-25 LPM)**
- Digital temperature control maintains user-specified temperature to protect delicate samples
- Small footprint conserves valuable bench space
- Expertly machined aluminum heat block inserts provide optimal heat transfer to sample tubes **(10-22 mm OD)**

### OPTIONAL FEATURES

- 230 V wiring harness **(Option Code: -2)**
- Z-Purge/positive pressure purge case **(Option Code: -Z)**
- Acid resistant coating on instrument and needles **(Option Code: -RT)**
- Kit to convert to single plate MICROVAP

<b>15 Position MICROVAP Specifications</b>		
<b>Heater Type</b>	Dry Block	None
<b>Instrument Catalog Number</b>	11815	11815-O
<b>Overall Dimensions (W x D x H)</b>	10 x 12.5 x 17 in 25.4 x 31.75 x 43.18 cm	8.5 x 13 x 14.5 in 21.6 x 33 x 35.6 cm
<b>Number of Samples</b>	15	15
<b>Heat Block Dimensions (W x D)</b>	3.5 x 5.125 in 8.9 x 13 cm	3.5 x 5.125 in 8.9 x 13 cm
<b>Test Tube Diameter</b>	10-22 mm OD	10-22 mm OD
<b>Center to Center Spacing Between Positions</b>	1.0 in 2.54 cm	1.0 in 2.54 cm
<b>Gas Manifold Layout</b>	3 x 5 Array	3 x 5 Array
<b>Gas Flow Meter Range</b>	0-25 LPM	0-25 LPM
<b>Stainless Steel Needles Length and Gauge</b>	4.0 in x 19 ga 102 mm x 19 ga	4.0 in x 19 ga 102 mm x 19 ga
<b>Hoist Assembly</b>	Spring Assisted Hoist Assembly	Spring Assisted Hoist Assembly
<b>Standard Gas Input Range</b>	20-30 psi	20-30 psi
<b>Heating Device Specifications</b>		
<b>Model Number</b>	1813A	N/A
<b>Outside Bath Dimensions (W x D x H)</b>	10 x 9.75 x 3.5 in 35.4 x 24.8 x 7.6 cm	N/A
<b>Total Wattage</b>	180 W	N/A
<b>Temperature Range</b>	Room temp - 130 °C	Ambient
<b>Temperature Controller Type and Controller Accuracy</b>	Digital +/- 2°C	N/A