

24 Position MICROVAP® Nitrogen Evaporator

DESCRIPTION

The 24 Position MICROVAP (Catalog# 11824) is a compact nitrogen blowdown evaporator, ideal for laboratories with limited bench or hood space. It is designed especially to evaporate small tubes such as GC vials and microcentrifuge tubes. Each MICROVAP includes one custom heat block, machined to fit the user's tubes for optimal heat transfer. Additional heat blocks (Catalog# NA1824) 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.



OPTIONAL FEATURES

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

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 provides optimal heat transfer to sample tubes
(10-17 mm OD)

24 Position MICROVAP Specifications		
Heater Type	Dry Block	None
Instrument Catalog Number	11824	11824-O
Overall Dimensions (W x D x H)	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
Number of Sample Plates	24	24
Heat Block Dimensions (W x D)	3.5 x 5.125 in 8.9 x 13 cm	3.5 x 5.125 in 8.9 x 13 cm
Test Tube Diameter	10-17 mm OD	10-17 mm OD
Center to Center Spacing Between Positions	0.78 in 1.98 cm	0.78 in 1.98 cm
Gas Manifold Layout	4 x 6 Array	4 x 6 Array
Gas Flow Meter Range	0-25 LPM	0-25 LPM
Stainless Steel Needles Length and Gauge	4.0 in x 19 ga 102 mm x 19 ga	4.0 in x 19 ga 102 mm x 19 ga
Hoist Assembly	Spring Assisted Hoist Assembly	Spring Assisted Hoist Assembly
Standard Gas Input Range	20-30 psi	20-30 psi
Heating Device Specifications		
Model Number	18103	N/A
Outside Bath Dimensions (W x D x H)	10 x 9.75 x 3.5 in 25.4 x 24.8 x 8.9 cm	N/A
Total Wattage	180 W	N/A
Temperature Range	40-130 °C	Ambient
Temperature Controller Type and Controller Accuracy	Digital +/- 2°C	N/A