

Single Plate MICROVAP® Nitrogen Evaporator

DESCRIPTION

The Single Plate MICROVAP (Cat# 11801) is our most compact evaporator, making it ideal for laboratories with limited bench or hood space. It provides an affordable solution to dry down high capacity, low volume samples in a 96 well microplate. The unit is designed to accommodate both standard and deep well plates.

The Single Plate MICROVAP efficiently concentrates samples through a combination of gentle dry block heating and nitrogen gas blowdown. The gas delivery manifold offers continuous and evenly dispersed gas flow to each sample position through stainless steel needles.

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

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)**
- Conversion kit to process 15 or 24 tube samples

Single Plate MICROVAP Specifications		
Heater Type	Dry Block	None
Instrument Catalog Number	11801	11801-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	1	1
Microplate Dimensions (W x D)	3.375 x 5 in 8.5 x 13 cm	3.375 x 5 in 8.5 x 13 cm
Center to Center Spacing Between Positions	0.354 in 9 mm	0.354 in 9 mm
Gas Manifold Layout	8 x 12 Array	8 x 12 Array
Gas Flow Meter Range	0-25 LPM	0-25 LPM
Stainless Steel Needles Length and Gauge	2.0 in x 19 ga 51 mm x 19 ga	2.0 in x 19 ga 51 mm x 19 ga
Hoist Assembly	Manual	Manual
Standard Gas Input Range	20-30 psi	20-30 psi
Heating Device Specifications		
Model Number	18103A	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	Room temp - 130 °C	Ambient
Temperature Controller Type and Controller Accuracy	Digital +/- 2°C	N/A