

Triple Plate MICROVAP® Nitrogen Evaporator

DESCRIPTION

The Triple Plate MICROVAP (Catalog# 11803) is ideal for laboratories processing several microplates at once. This unit is designed to evaporate three 96 well microplates simultaneously, and can accommodate both standard and deep well plates. The solid aluminum heating units provide consistent temperature for uniform evaporation rates throughout all three plates.

The Triple Plate MICROVAP efficiently concentrates samples through a combination of gentle heating and nitrogen gas blowdown. The nitrogen distribution manifolds offer continuous and evenly dispersed gas flow to each sample position through stainless steel needles. The spring assisted hoist assembly allows these manifolds to be easily raised and lowered as a unit.

The unit includes toggle switches on each manifold to control gas flow, allowing the user to toggle off gas to unused plates. Heat can be turned on to none, one, or all three plates as needed to conserve energy.



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)

STANDARD FEATURES

- Adjustable flow meter allows the user to control the amount of gas to each sample for efficient evaporation (0-100 LPM)
- Toggle switches allow gas to be turned off at each plate to conserve nitrogen
- Digital temperature control maintains user-specified temperature to protect delicate samples
- Hoist for easy lifting and lowering of the samples

Triple Plate MICROVAP Specifications	
Heater Type	Dry Block
Instrument Catalog Number	11803
Number of Sample Plates	3
Overall Dimensions (W x D x H)	24 x 9.5 x 14.5 in 61 x 22.9 x 35.6 cm
Microplate Dimensions (W x D)	3.375 x 5 in 8.5 x 13 cm
Gas Manifold Layout	Triple 8 x 12 Array
Center to Center Spacing Between Positions	0.354 in 9 mm
Gas Flow Meter	0-100 LPM
Stainless Steel Needles Length and Gauge	2.0 in x 19 ga 51 mm x 19 ga
Hoist Assembly	Spring Assisted Hoist Assembly
Standard Gas Input Range	30 psi
Heating Device Specifications	
Model Number	54243
Outside Dimensions (W x D x H)	24 x 9.5 x 3 in 61 x 22.9 x 7.6 cm
Total Wattage	540 W
Temperature Range	40-130 °C
Temperature Controller Type and Controller Accuracy	Digital +/- 2°C