

100 Position MULTIVAP® Nitrogen Evaporator

DESCRIPTION

The 100 Position MULTIVAP (Catalog# 11300) is a water bath model designed for evaporating large batches of small volume samples. The samples are held in an expertly machined rack, customized specifically for the user's tube size. The racks can accommodate a range of tubes from 11 to 22 mm OD. Additional racks are available for those who are using multiple tube sizes (Catalog# NA1361). This unit also comes standard with a needle guide to effortlessly center the distribution manifold over small tubes.

This MULTIVAP combines gentle heating of a water bath with nitrogen blowdown. The bath ranges from 30°C to 100°C and is easily controlled by a digital temperature controller. The water bath provides even heating and optimal heat transfer to all samples, leading to efficient evaporation.

The gas flow is also easily controlled by an adjustable flow meter and a built in pressure reducing regulator. The nitrogen distribution manifold offers continuous and evenly dispersed gas flow to each sample position through stainless steel needles. The manifold also has a toggle switch for every row of ten samples, allowing each row to be shut off when not in use, which conserves nitrogen.

STANDARD FEATURES

- Adjustable flow meter to conserve nitrogen gas **(0-50 LPM)**
- Digital temperature control maintains user-specified temperature to protect delicate samples
- Toggle switches allow gas to be shut off at each row to conserve nitrogen
- Expertly machined sample rack, customized to the user's tube size **(11-22 mm OD)**
- Needle guide to easily align needles with small test tubes.



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)**

100 Position MULTIVAP Specifications

Heater Type	Water Bath	None
Instrument Catalog Number	11300	11300-O
Number of Sample Positions	100	100
Overall Dimensions (W x D x H)	19 x 17 x 34 in 48 x 43 x 86 cm	14 x 14 x 26 in 35.5 x 35.5 x 66 cm
Test Tube Diameter	11-22 mm OD	11-22 mm OD
Gas Manifold Layout	10 x 10 Array	10 x 10 Array
Center to Center Spacing Between Positions	1.0 in 2.54 cm	1.0 in 2.54 cm
Gas Flow Meter	0-50 LPM	0-50 LPM
Stainless Steel Needles Length and Gauge	4.0 in x 19ga 102 mm x 19ga	4.0 in x 19ga 102 mm x 19ga
Hoist Assembly	Dual Pulley & Band Springs	Dual Pulley & Band Springs
Built-in Gas Regulator Input	50-110 psi	50-110 psi

Heating Device Specifications

Model Number	11196	N/A
Inside Dimensions (Diameter x Depth)	11 x 5.5 in 28 x 14 cm	N/A
Outside Dimensions (W x D x H)	19 x 17 x 7 in 48 x 43 x 18 cm	N/A
Total Wattage	1100 W	N/A
Temperature Range	30-100 °C	Ambient
Temperature Controller Type and Controller Accuracy	Digital +/- 2°C	N/A