

9 Position MULTIVAP® Nitrogen Evaporator

DESCRIPTION

The 9 Position MULTIVAP (Catalog# 11809) is a high temperature dry block unit, designed specifically to accommodate large volume samples. Its aluminum heat block is expertly machined to fit 100 mL, 50 mm OD beakers, providing efficient heat transfer (nine beakers are included). Optional heat block inserts are available to accommodate large samples (up to ~150 mL) in other types of glassware (Catalog# NA1891).

While evaporating from the 100 mL beakers, two 16 gauge needles can be used per sample, allowing for efficient evaporation of the large sample volume. When evaporating narrower vials using custom inserts, one needle is recommended. The needle gauge will vary depending on the shape and size of the sample.

This MULTIVAP combines gentle heating of an aluminum dry block with nitrogen blowdown for effective sample concentration. Reaching temperatures up to 120°C, this instrument is ideal for labs working with solvents with high boiling points. 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 three samples, allowing each row to be shut off when not in use, which conserves nitrogen.

STANDARD FEATURES

- Adjustable flow meter to conserve nitrogen gas **(0-25 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



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)**

9 Position MULTIVAP Specifications		
Heater Type	Dry Block	None
Instrument Catalog Number	11809	11809-O
Number of Sample Positions	9	9
Overall Dimensions (W x D x H)	15.25 x 14 x 30 in 39 x 36 x 76 cm	13 x 15 x 26 in 33 x 38 x 66 cm
Sample Vial Diameter	50 mm OD beakers (Included)	50 mm OD beakers (Included)
Optional Test Tube Diameter	16-30 mm OD	16-30 mm OD
Gas Manifold Layout	3 x 3 Array	3 x 3 Array
Center to Center Spacing Between Positions	2.31 in 5.87 cm	2.31 in 5.87 cm
Gas Flow Meter	0-25 LPM	0-25 LPM
Stainless Steel Needles Length and Gauge	4.0 in x 16 ga 102 mm x 16 ga (QTY 18)	4.0 in x 16 ga 102 mm x 16 ga (QTY 18)
Hoist Assembly	Dual Pulley and Band Springs	Dual Pulley and Band Springs
Built-in Gas Regulator Input	30-110 psi	30-110 psi
Heating Device Specifications		
Model Number	9156	N/A
Outside Dimensions (W x D x H)	15.25 x 14 x 6.5 in 39 x 36 x 15 cm	N/A
Total Wattage	900 W	N/A
Temperature Range	30-120 °C	Ambient
Temperature Controller Type and Controller Accuracy	Digital +/- 2 °C	N/A