

48 Position MULTIVAP® Nitrogen Evaporator

DESCRIPTION

The 48 Position MULTIVAP (Catalog# 11848) is a high temperature dry block unit, designed for optimal sample concentration. This is our most versatile MULTIVAP evaporator, accommodating tubes from 10 to 22 mm OD. This unit comes standard with a needle guide to effortlessly center the distribution manifold over small tubes.

This MULTIVAP includes one set of custom heat block inserts, expertly machined to fit the user's tubes. Not only do these custom inserts ensure proper fit and optimal heat transfer, they also eliminate the need to transfer samples to special evaporation vials. Additional heat block inserts are available for use with other tube sizes, sold in singles (Catalog# NA1801) or as a set of 48 (Catalog# NA1803).

This MULTIVAP combines gentle heating of an aluminum dry block with nitrogen blowdown. Reaching temperatures up to 120°C, this instrument is ideal for labs working with solvents with high boiling points. The nitrogen distribution manifold also has a toggle switch for every row of eight samples. This allows each row to be shut off when not in use, conserving 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
- Expertly machined aluminum heat block inserts provide optimal heat transfer to sample tubes **(10-22 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)**

48 Position MULTIVAP Specifications

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|---|---------------------------------------|------------------------------------|
| Heater Type | Dry Block | None |
| Instrument Catalog Number | 11848 | 11848-O |
| Number of Sample Positions | 48 | 48 |
| 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 |
| Test Tube Diameter | 10-22 mm OD | 10-22 mm OD |
| Gas Manifold Layout | 6 x 8 Array | 6 x 8 Array |
| Center to Center Spacing Between Positions | 1.0 in 2.54 cm | 1.0 in 2.54 cm |
| Gas Flow Meter | 0-25 LPM | 0-25 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 | 30-110 psi | 30-110 psi |

Heating Device Specifications

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| 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 |