

45 Position N-EVAP® Nitrogen Evaporator

DESCRIPTION

The 45 position N-EVAP (Catalog# 11645) has the largest number of sample positions in the N-EVAP line, and provides the least expensive price per position. This time-tested, durable system is ideal for laboratories that evaporate a large number of varied samples at once. The 45 position unit features two concentric rings of sample positions. The outer ring holds up to 30 samples of 10-19 mm OD, and the inner ring holds up to 15 samples of 10-30 mm OD.

Like the rest of the N-EVAP line, the needles on the 45 position can be raised and lowered individually, while needle valves allow precise adjustment of the gas flow rate at each sample position. Samples sit in a heated water bath under gentle nitrogen blowdown, leading to efficient sample concentration.

Additionally, the 45 position N-EVAP includes a side control box, which includes a pressure regulator, timer, and digital temperature controller. In order to prevent damage to delicate samples, the timer provides the option for the heat and gas to shut off once the cycle is complete.



STANDARD FEATURES

- Adjustable flow meter to conserve nitrogen gas (**0-30 LPM**)
- Needle valves to adjust gas flow to each individual sample
- Sample holder fits a wide variety of tube sizes at once (**Inner Ring: 10-30 mm OD**) (**Outer Ring: 10-19 mm OD**)
- Hoist for easy lifting and lowering of the samples
- Side control box including a pressure regulator, timer, & digital temp. controller

OPTIONAL FEATURES

- 220v wiring harness (**Option Code: -2**)
- Z-Purge/intrinsically safe purge case (**Option Code: -Z**)
- Acid resistant coating on instrument and needles (**Option Code: -RT**)

45 Position N-EVAP Specifications		
Bath Type	Water	None
Instrument Catalog Number	11645	11645-O
Number of Sample Positions	45	45
Overall Dimensions (W x D x H)	24 x 19 x 34 in 61 x 48 x 86 cm	19 x 17 x 32 in 48 x 43 x 81 cm
Standard Sample Holder Test Tube Range	Outer Ring: 10-19 mm OD (30 positions)	Outer Ring: 10-19 mm OD (30 positions)
	Inner Ring: 10-30 mm OD (15 positions)	Inner Ring: 10-30 mm OD (15 positions)
Gas Flow Meter	0-30 LPM	0-30 LPM
Stainless Steel Needles Length and Gauge	4.0 in x 19 ga 102 mm x 19 ga	4.0 in x 19 ga 102 mm x 19 ga
Sample Tray Lift Mechanism	Dual Band Spring Hoist Assembly	Dual Band Spring Hoist Assembly
Standard Gas Input Range	50-110 psi	50-110 psi
Heating Device Specifications		
Bath Model Number	13165	N/A
Heating Medium	Water	None
Inside Bath Dimensions (Diameter x Depth)	16 x 4.5 in 40.6 x 11.4 cm	N/A
Outside Bath Dimensions (W x D x H)	24 x 19 x 6 in 61 x 48 x 15 cm	N/A
Total Wattage	1300 W	N/A
Bath Temperature Range	30-90 °C	N/A
Temperature Controller Type and Controller Accuracy	Digital +/- 2°C	N/A