

34 Position N-EVAP® Nitrogen Evaporator

DESCRIPTION

The 34 position N-EVAP (Catalog# 11634) combines the iconic flexibility of the N-EVAP line with digital features for improved control over the evaporation process. This time-tested, durable system provides one of the least expensive prices per position of all the N-EVAPs.

The instrument comes with a side control box, which includes a pressure regulator, timer, and digital temperature controller. This allows the user to set an automatic gas flow cut off, which slows evaporation to a minimum once the timed cycle has been completed. In order to prevent damage to delicate samples, the timer also provides the option for the heat to shut off once the cycle is complete.

Like the rest of the N-EVAP line, the 34 position N-EVAP has an adjustable spring design to accommodate a range of sample tube sizes. Samples sit in a heated water bath under gentle nitrogen blowdown, leading to efficient sample concentration.

The needles can be raised and lowered individually, while needle valves allow precise adjustment of the gas flow rate at each sample position. This promotes efficient and safe sample reduction with minimal nitrogen waste.



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 (**10-30 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**)

34 Position N-EVAP Specifications		
Bath Type	Water	None
Instrument Catalog Number	11634	11634-O
Number of Sample Positions	34	34
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	10-30 mm OD	10-30 mm OD
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