

6 Position N-EVAP® Nitrogen Evaporator

DESCRIPTION

The 6 position N-EVAP nitrogen evaporator (Catalog# 11106) was adapted from the 12 position N-EVAP (Catalog# 11155) in the early 1970s. It is durable, reliable, and the most affordable instrument in the N-EVAP line. It has the smallest footprint out of the N-EVAP line, helping to conserve valuable bench space.

This N-EVAP has an adjustable spring design, making it ideal for laboratories that will be using a wide range of sample tube sizes. Its circular rotating design permits each sample to be accessible from the front of the instrument for easy insertion and retrieval.

The N-EVAP line combines nitrogen blow down with a heated water or dry bath to gently concentrate delicate samples. 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 (**0-10 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 (**except in dry bath model**)



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**)
- Large sample holder (**For 30-56 mm OD tubes**)

6 Position N-EVAP Specifications			
Bath Type	Water	Dry	None
Instrument Catalog Number	11106	11106-DA	11106-O
Number of Sample Positions	6	6	6
Overall Dimensions (W x D x H)	13 x 11 x 31 in 33 x 28 x 79 cm	13 x 11 x 27.5 in 33 x 28 x 70 cm	12 x 8 x 31 in 31 x 21 x 79 cm
Standard Sample Holder Test Tube Range	10-30 mm OD	10-30 mm OD	10-30 mm OD
Optional Sample Holder Test Tube Range	30-56 mm OD	30-56 mm OD	30-56 mm OD
Gas Flow Meter	0-5 LPM	0-5 LPM	0-5 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	4.0 in x 19 ga 102 mm x 19 ga
Sample Tray Lift Mechanism	Dual Band Spring Hoist Assembly	None / Fixed	Dual Band Spring Hoist Assembly
Standard Gas Input Range	20-30 psi	20-30 psi	20-30 psi
Heating Device Specifications			
Bath Model Number	5585	5085	N/A
Heating Medium	Water	Aluminum Beads (Glass Beads in -RT Models)	None
Inside Bath Dimensions (Diameter x Depth)	8.5 x 4.5 in 21.6 x 11.4 cm	8.5 x 4.5 in 21.6 x 11.4 cm	N/A
Outside Bath Dimensions (W x D x H)	13 x 11 x 7 in 33 x 28 x 18 cm	13 x 11 x 7 in 33 x 28 x 18 cm	N/A
Total Wattage	550 W	500 W	N/A
Bath Temperature Range	30-90 °C	40-130 °C	N/A
Temperature Controller Type and Controller Accuracy	Mechanical +/- 2°C	Mechanical +/- 2°C	N/A