

## 20 Position Auto N-EVAP® Nitrogen Evaporator

### DESCRIPTION

The Automatic 20 position N-EVAP (Catalog# 11220-A) is the most advanced instrument Organomation has developed to date. It combines the standard N-EVAP features with timed automation technology. This unit uses our unique pneumatic system which removes samples from the heating medium when the designated time cycle has been completed. A digital control system provides the operator with timed control of gas flow and bath temperature. The automatic concentration cycle reduces the likelihood of damage to samples due to prolonged heat exposure.

Like the rest of the N-EVAP line, the needles on the Auto 20 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.



### STANDARD FEATURES

- Adjustable flow meter to conserve nitrogen gas **(0-25 LPM)**
- Needle valves to adjust gas flow to each individual sample
- Digital control system including pressure regulator, timer, & digital temp. controller
- Timed pneumatic system automates sample concentration
- Ability to be operated manually or automatically

### 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)**

| <b>20 Position Automatic N-EVAP Specifications</b>             |                                    |
|--|------------------------------------|
| <b>Bath Type</b>   | Water                              |
| <b>Instrument Catalog Number</b>                               | 11220-A                            |
| <b>Number of Sample Positions</b>                              | 20                                 |
| <b>Overall Dimensions<br/>(W x D x H)</b>                      | 19 x 18 x 36 in<br>49 x 46 x 92 cm |
| <b>Standard Sample Holder Test Tube<br/>Range</b>              | 10-30 mm                           |
| <b>Gas Flow Meter</b>  | 0-25 LPM                           |
| <b>Stainless Steel Needles<br/>Length and Gauge</b>            | 4.0 in x 19 ga<br>102 mm x 19 ga   |
| <b>Sample Tray Lift Mechanism</b>                              | Pneumatic Gas Piston               |
| <b>Standard Gas Input Range</b>                                | 50-110 psi                         |
| <b>Heating Device Specifications</b>                           |                                    |
| <b>Bath Model Number</b>                                       | 11196                              |
| <b>Heating Medium</b>  | Water                              |
| <b>Inside Bath Dimensions<br/>(Diameter x Depth)</b>           | 11 x 5.5 in<br>28 x 14 cm          |
| <b>Outside Bath Dimensions<br/>(W x D x H)</b>                 | 19 x 18 x 7 in<br>49 x 46 x 18 cm  |
| <b>Total Wattage</b>   | 1100 W                             |
| <b>Bath Temperature Range</b>                                  | 30-100 °C                          |
| <b>Temperature Controller Type and<br/>Controller Accuracy</b> | Digital<br>+/- 2°C                 |