

EVX Evaporex® Series



The Evaporex series solvent evaporators offer high-performance drydown for microplates at a reasonable price. The Evaporex has two needle assemblies, each consisting of 96 individual stainless steel needles that evenly distribute heated gas into the microplates from both the top and bottom. The upper gas flow path is sealed away from the heating elements in a stainless steel path in order to prevent sample contamination. The lower platform can be adjusted to any height from the upper needle assembly, allowing the needles to come in close proximity to - without actually touching - the sample. This feature minimizes drying time and enables the user to develop methods utilizing a variety of plate sizes and sample volumes.

The EVX Series is suitable for use with aqueous or organic solvents (not dry or concentrated acid solutions). The **EVX-96** operates with one plate at a time, and the **EVX-192** operates with two plates simultaneously.

Sample Drydown Times

- Methanol
 - 14 Min., 500 ul @ 40°C
 - 28 Min., 1 ml @ 40°C
 - 11 Min., 500 ul @ 60°C
 - 20 Min., 1 ml @ 60°C
- Isopropanol
 - 16.5 Min., 500 ul @ 40°C
 - 26 Min., 1 ml @ 40°C
 - 11.5 Min., 500 ul @ 60°C
 - 16.5 Min., 1 ml @ 60°C

(Bottom unit is set 20°C above top unit temperature in order to compensate for heat lost through the collection plate)

Specifications

- Power 110/220 VAC, 50/60 Hz
- Power Consumption 405 W nominal
- Pipette Volume (L) 0.5-125 (H) 1-550 ul
- Dimensions (-96) 9.52"W x 12.05"D x 15.72"H
242W x 306D mm x 400H
- (-192) 10.00"W x 15"D x 15.5"H
254W x 381D mm x 394H
- Weight 25 lbs (-96), 31 lbs (-192)
- Inlet Gas Connection 1/4"
- Inlet Gas Pressure Min. 15 psi, Max. 50 psi
- Operating Flow Rate Min. 25 LPM, Max. 60 LPM
(Liters Per Minute)
- Operating Temperature 60°C (Upper), 80°C (Lower)
(MAX)

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