

Vacuum Evaporator for Large Samples (S-EVAP+)

DESCRIPTION

The S-EVAP+ is an efficient way to concentrate multiple large samples at once. It is designed to be a smarter, higher capacity alternative to rotary evaporation. Instead of only being able to evaporate 1 sample at a time like in a rotary unit, the S-EVAP+ allows you to evaporate up to 10 samples at once, for a faster, more efficient process. The S-EVAP+ takes all the benefits of the original S-EVAP-RB evaporator including the digital control box and combines it with vacuum technology to accommodate a wider range of solvents with high boiling points.

Suitable for all solvents with a boiling point below 115 °C.

The number of samples you're able to evaporate at once depends on your flask size and solvent volume. Below is a general guide for reference:

- **250 mL flasks** (125 mL of solvent or less) - up to 10 sample positions (Cat# 12090-V)
- **500 mL flasks** (250 mL of solvent or less) - up to 8 sample positions (Cat# 12008-V)
- **1 L flasks** (500 mL of solvent or less) - up to 5 sample positions (Cat# 12007-V)
- **2 L flasks** (1 L of solvent or less) - up to 4 sample positions (Cat# 12004-V)



12090-V

10 Positions for 250 mL flasks

12008-V

8 Positions for 500 mL flasks

12007-V

5 Positions for 1 L flasks

12004-V

4 Positions for 2 L flasks

STANDARD FEATURES

- Side control box with digital timer and heat controls
- Centrally located water manifold allows for one water supply line in and one drain line out to prevent tangling
- Individual collection flasks allow up to 97% recovery of starting solvent

OPTIONAL FEATURES

- 220 V wiring harness (**Option Code: -2**)
- Z-Purge/positive pressure purge case (**Option Code: -Z**)
- Adapter kit for use with smaller sample flasks

S-EVAP+ Specifications				
Instrument Catalog Number	12090-V	12008-V	12007-V	12004-V
Number of Samples	10	8	5	4
Application	Round Flasks/ Shallow Bath	Round Flasks/ Shallow Bath	Round Flasks/ Shallow Bath	Round Flasks/ Shallow Bath
Overall Dimensions (W x D x H)	26 x 24 x 30 in 66 x 61 x 76 cm	26 x 24 x 30 in 66 x 61 x 76 cm	26 x 24 x 30 in 66 x 61 x 76 cm	26 x 24 x 30 in 66 x 61 x 76 cm
Glassware Specifications				
Glassware	GS2162	GS2163	GS2164	GS2165
Solvent Flask Type and Size	Round with Flat Bottom, 250 mL	Round with Flat Bottom, 500 mL	Round with Flat Bottom, 1 L	Round with Flat Bottom, 2 L
Condenser Type and Size	Inverted Hopkins with 24/40 side arm	Inverted Hopkins with 24/40 side arm	Inverted Hopkins with 24/40 side arm	Inverted Hopkins with 24/40 side arm
Collection Flask Type and Size	Round with Flat Bottom, 250 mL	Round with Flat Bottom, 500 mL	Round with Flat Bottom, 1 L	Round with Flat Bottom, 2 L
Heating Device Specifications				
Water Bath Model Number	16165 (for 120V models) 14165 (for 240V models)			
Water Bath Size	16 Inch ID			
Inside Bath Dimensions (Diameter x Depth)	16 x 4.5 in 40.6 x 11.4 cm			
Outside Bath Dimensions (W x D x H)	24 x 19 x 6 in 61 x 48 x 15 cm			
Total Wattage	1600W (for 120V models) 1400W (for 240V models)			
Bath Temperature Range	30-100 °C			
Temperature Controller Type and Controller Accuracy	Digital Electronic with LED Display +/- 2 °C			