

Large Scale Solvent Evaporator for Round Flasks (S-EVAP-RB)

DESCRIPTION

The S-EVAP-RB solvent evaporators are water bath instruments designed to handle a wide range of applications. We offer two models of the S-EVAP-RB: Catalog# 12060 and Catalog# 12090.

Model 12060 holds up to eight 250 mL flasks and model 13090 holds up to ten 250 mL flasks. Smaller 125 mL glassware (Catalog# GS2162) may also be used with the purchase of adapter rings (Catalog# XA2286). The 8 position S-EVAP has a mechanical thermostat, while the 10 position includes a side control box with digital temperature and time controls.

Both the 8 and 10 position models have circular designs, conserving valuable bench space, while also allowing the instrument to rotate so that each sample can be accessed from the front.

At each sample position, the round flask rests on the bath cover disk and is heated by hot water and steam. The solvent boils from the flask and cools in the condenser which is attached to a centrally located water manifold. The central position of this manifold allows the unit to have just one water line in and one drain line out. The solvent leaves the condenser through a specially designed side arm into an individual collection flask.

These individual collection flasks allow you to recover up to 97% of starting solvent. Not only does this reduce laboratory emissions, but also increases the safety of both the lab and the environment.

STANDARD FEATURES

- Side control box with digital timer and heat controls **(with model 12090 only)**
- 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

12090
10 Position



12060
8 Position

OPTIONAL FEATURES

- 220 V wiring harness **(Option Code: -2)**
- Z-Purge/intrinsically safe purge case **(Option Code: -Z)**
- Adapter rings to accommodate 125 mL flasks **(Catalog# XA2286)**

S-EVAP-RB Specifications		
Instrument Catalog Number	12060	12090
Number of Samples	8	10
Application	Round Flasks/Shallow Bath	Round Flasks/Shallow Bath
Overall Dimensions (W x D x H)	24 x 22 x 30 in 61 x 56 x 76 cm	26 x 24 x 30 in 66 x 61 x 76 cm
Glassware Specifications		
Glassware 250 mL	GS2162	
Solvent Flask Type and Size	Round with Flat Bottom; 250 mL	
Condenser Type and Size	Inverted Hopkins; 260 mm, 24/40	
Collection Flask Type and Size	Round with Flat Bottom; 250 mL	
Heating Device Specifications		
Water Bath Model Number	9125	14165 (for 240 V models) 16165 (for 120 V models)
Water Bath Size	12 inch ID	16 inch ID
Inside Bath Dimensions (Diameter x Depth)	12 x 4.5 in 30.5 x 11.4 cm	16 x 4.5 in 40.6 x 11.4 cm
Outside Bath Dimensions (W x D x H)	16 x 15 x 7 in 40.6 x 38 x 18 cm	24 x 19 x 6 in 61 x 48 x 15 cm
Total Wattage	900 W	1400 W (for 240 V models) 1600 W (for 120 V models)
Bath Temperature Range	30-100 °C	30-100 °C
Temperature Controller Type and Controller Accuracy	Mechanical Thermostat +/- 2 °C	Digital +/- 2 °C