

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/positive pressure 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 |