

Dry-down aggressive organic solvents with efficiency

The Thermo Scientific™ Savant™ SpeedVac™ SPD140DDA Vacuum Concentrator is a medium-capacity vacuum concentrator with a modular design, ideal for drying aggressive organic solvents, strong acids, bases, and combinatorial chemistry solvents.

Benefits

- **Proven reliability:** Over 50 years of experience stand behind the Savant SpeedVac family of products.
- **Consistency of drying time:**
 - Is aided by radiant lamps, a PTFE-coated chamber, and tubing for drying solvents with low and high-boiling points and strong acids and bases such as DMSO, methylene chloride, TFA, and more.
 - Heated glass lid helps reduce drying times and prevent condensation. Dual control of vacuum ramp and vacuum levels help eliminate sample bumping and freezing.
- **User friendly:** Intuitive interface allows use of 4 preset programs and 8 user-defined programs to set the temperature, ramp rate, and vacuum level for efficient operation.
- **Safety assurance:** Standard lid is equipped with a soft-close mechanism that locks securely to help ensure safety for samples and users. Hands-free operation when loading or unloading the rotor is enabled with a lid stay mechanism. An audible alarm alerts the user when operation is finished.
- **Data transfer:** Ability to download live run data from a USB port enhances data transferability.

Applications

- Solid-phase extractions
- Drying lipid extracts



- Flash chromatography fractions
- Solid-phase synthesis cleavage solutions such as protein hydrolysates and evaporating synthesis solids
- Compound management

Industries

- Pharmaceutical
- Life science
- Biotech (molecular and protein biology)
- Academic research
- Industrial
- Agricultural
- Food and beverage

Product specifications for the Savant SpeedVac SPD140DDA Vacuum Concentrator

Physical properties

Dimensions (W x D x H) 13 x 18 x 14 in. (33 x 46 x 36 cm)

Additional required ventilation space 3 in. (8 cm) on all sides

Shipping dimensions

Boxed (W x D x H) 24 x 32 x 24 in. (61 x 81 x 61 cm)

Product weight 57 lb (26 kg)

Shipping weight (boxed) 75 lb (34 kg)

Materials of construction

Type of cover Heated glass safety cover

Chamber PTFE-coated aluminum

Chamber seal Viton™ rubber

Fittings Polypropylene

Operational requirements

SPD140DDA-115 115 VAC, 60 Hz, 6 A

SPD140DDA-230 230 VAC, 50 Hz, 3 A

Plug configuration: SPD140DDA-115 NEMA 5-15P

Plug configuration: SPD140DDA-230 SCHUKO CEE 7-7 (European plug), IEC 60320 C13 (Chinese Plug), B1363W/13A (UK plug)

Typical rotor spin speed (without rotor)
50 Hz, 1,300 RPM
60 Hz, 1,630 RPM

User interface/display

Temperature settings Ambient, 35 to 80°C in 5°C increments

Heat time setting 1 min to 9 hr 59 min and continuous

Run time setting 1 min to 9 hr 59 min and continuous in manual mode

Vacuum ramp rate setting 1 to 5

Vacuum level control 20 Torr to 100 mTorr in 0.1 Torr increments (26 mbar to .13 mbar)

Number of preset programs 4

Number of user-defined programs 8

Lid lock indicator Yes

Auto and manual run buttons Yes

Radiant lamp on/off buttons Yes

Preheat button Yes

Compliance

Certifications UL listed to US and Canadian requirements; CE marked