

thermo scientific



Choosing the best vacuum
concentrator for your laboratory

ThermoFisher
SCIENTIFIC

One-click Evaporation

For more than 50 years, scientists around the world have been using Thermo Scientific™ Savant™ SpeedVac™ Vacuum Concentrators to remove solvents from their samples.

SpeedVac systems use state-of-the-art centrifugation, vacuum, and heat technologies for removing solvents and concentrating samples while maintaining sample integrity.

A diverse product range provides solutions for a wide variety of solvent applications ranging from the traditional drying down of DNA preparations in water and methanol, to the more complex and aggressive applications presented by the combinatorial chemistry and drug discovery sectors of the pharmaceutical industry.

To make the operation of a SpeedVac system easier than ever, we now offer pre-programmed and customizable protocols. All eight Savant SpeedVac Vacuum Concentrators, come with at least three presets, and up to eight, customizable programs to aid in drying solvents for your application.

Savant SpeedVac systems are designed to help provide quick, simple evaporation resulting in viable samples time after time.



Large capacity vacuum concentrator kits by model

Applications	SPD1030	SPD2030P1 "OP" with ANT100 & ANS121	SPD210P1	SPD210P2	SPD2030 "Integrated"	SPD300P2	SPD300P1
Number of 1.5 mL tubes vacuum concentrator holds	120	200	200	200	200	200	200
DNA/RNA ethanol, H ₂ O, buffers	●	●	●	●	●	●	●
DNA/RNA Ammonium hydroxide (oligos)		●	●	●	●	●	●
DNA/RNA DNA in acetonitrile or H ₂ O		●	●	●	●	●	●
Proteins, Enzymes, HPLC Fractions H ₂ O, acetonitrile, methanol, ethanol + 0.1% TFA			●	●	●	●	●
Low boiling-point solvents (Aggressive) Organic chemistry, drug discovery Chloroform, ethyl acetate, acetone, methylene chloride, hexane						●	●
High boiling point solvents (Aggressive) Organic chemistry, drug discovery Toluene, nitrobenzene, pyridine						●	
High boiling point solvents (Aggressive) Organic chemistry, drug discovery DMSO, DMF, toluene, nitrobenzene, pyridine							●
Strong acids and bases Organic chemistry, drug discovery TFA, HCL, acetic acid, formic acid, sodium hydroxide						●	●

Support sample preparation with ease and efficiency

Compact and integrated vacuum concentrator for sample safety and reproducible results



Designed for DNA and RNA applications, the compact and integrated Thermo Scientific™ Savant™ SpeedVac™ DNA130 vacuum concentrator supports the rapid and safe concentration and drying-down of samples, including nucleic acids, PCR preps, and synthetic oligos.

Support your low-volume sample preparation needs with the easy-to-use Savant SpeedVac DNA130 concentrator. Use one of three user-defined programs for efficiency of operation.

Solvents

- Ethanol
- H₂O
- Buffers

Benefits

- **Proven reliability**
With over 50 years of high-quality vacuum concentrators, you can feel confident the Savant SpeedVac family of products will help deliver the reproducible results you depend on.
- **Compact, easy to use design**
 - Only 29 cm (11.5 in) wide – freeing up valuable bench space.
 - Create and save up to three user-defined methods for faster operation.
- **Safety assurance**
 - External post trap neutralizes ammonium hydroxide vapors.
 - For concentrating radioactive samples, an optional radioactive chemical trap kit can be used to minimize concerns in handling hazardous fumes and chemicals.
 - Lid lock illuminates when lid is closed and locked.
- **Sample integrity**
DNA/RNA samples require careful handling during the denaturing process. Dry at ambient temperatures or at very low heat to ensure maximum sample protection.
 - Data integrity and transfer ability to download data from a USB port.

Product specifications	
Physical properties	
Dimensions (WxDxH)	11.5 x 25 x 12 in / 29 x 64 x 31 cm
Additional required ventilation space	3 in / 8 cm on all sides
Shipping dimensions	
Boxed (WxDxH)	20 x 32 x 19 in / 66 x 81 x 61 cm
Product weight	39 kg / 86 lbs
Shipping weight (boxed)	48 kg / 105 lbs
Materials of construction	
Chamber	Teflon coated aluminum
Chamber seal	Silicone rubber
Pump heads	2-headed pump with ETFE diaphragms
Cover	Transparent acrylic lid with safety lock
Operational requirements	
Voltage input/frequency/power	
DNA130-115	115V AC / 60 Hz, 10 A
DNA130-230	230 VAC / 50 Hz, 6 A
Plug configuration	
DNA130-115	NEMA 5-15P
DNA130-230	SCHUKO CEE 7-7
Typical rotor spin speed	50Hz 1300 RPM (Max) 60Hz 1600 RPM (Max)
Motor	Maintenance-free induction motor
Performance properties	
Noise	<65 dBA
Vacuum pump	ETFE oil-free diaphragm pump
Capacity	36 L/min at 60 Hz, 30 L/min at 50 Hz
Vacuum control (ultimate vacuum level)	<10 Torr (13 mbar, 1.3 kPa)
Temperature range	Ambient* to 65°C
Display/user interface	
Programs	3 selectable programs by application Can be modified and stored Auto and manual run selector
Control panel	LED read out of temperature, run time, and heat time
Temperature set point	Ambient, 35-65°C in 5°C increments
Timer range (heat and run)	1 minute to 9 hours and 59 minutes, continuous
Modes of operation	Auto, Manual, and Pre-heat temperature
Compliance	
Certifications	UL listed to U.S. and Canadian requirements. CE marked.

Ordering information																
Cat. No.	Description															
DNA130-115	DNA SpeedVac system, 115 VAC 60 Hz. Includes one RD36 rotor															
DNA130-230	DNA SpeedVac system, 230 VAC 50 Hz. Includes one RD36 rotor															
Rotor accessories																
	<table border="1"> <thead> <tr> <th>Rotor Part No.</th> <th>Working Volume</th> <th>No. of Tubes</th> </tr> </thead> <tbody> <tr> <td>RD24</td> <td>1.5 - 2.0 mL</td> <td>24</td> </tr> <tr> <td>RD36*</td> <td>1.5 - 2.0 mL</td> <td>36</td> </tr> <tr> <td>RD48</td> <td>0.5 mL</td> <td>48</td> </tr> <tr> <td>RD72</td> <td>0.5 mL</td> <td>72</td> </tr> </tbody> </table>	Rotor Part No.	Working Volume	No. of Tubes	RD24	1.5 - 2.0 mL	24	RD36*	1.5 - 2.0 mL	36	RD48	0.5 mL	48	RD72	0.5 mL	72
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RD72	0.5 mL	72														
Micro Centrifuge Tubes																
Microplate	RD2MP Multi-well Shallow-well															
*included with the DNA130-115 and DNA130-230 SpeedVac Systems																
Other accessories																
SCT120	Chemical trap (order cartridges separately)															
DTK120R	Chemical trap kit for radioactivity															
DC120A	Disposable cartridge for neutralizing acid															
DC120R	Disposable cartridge for trapping volatile radioactivity															
ANT100	Post-trap assembly used with ANS121 for Oligo Preps															
ANS121	Ammonia-neutralizing solution for Oligo Preps															
CC120/DX	Deluxe convenience cart															

*Ambient Temperature = 17-32°C



Find out more at thermofisher.com/speedvac

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