

# Evaporation of solvents for combinatorial chemistry

The Thermo Scientific™ Savant™ SpeedVac™ SPD130DLX Vacuum Concentrator is a medium-capacity, vacuum concentrator with a modular design. It is compatible with a wide variety of solvents and offers resistance to TFA, DMSO, and other aggressive solvents used in combinatorial chemistry applications.

## Benefits

- Proven reliability: Over 50 years of experience stand behind the Savant SpeedVac family of products.
- Consistency of drying time: Heated glass lid helps to reduce drying times and prevents condensation.
- User friendly: Intuitive interface which allows use of 3 preset programs and 3 user-defined programs to set the temperature, run time, 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 the when operation is finished.
- Data transfer: Ability to download live run data from a USB port enhances data transferability.

## Applications

- Removing ethyl acetate from samples for CAT assay
- Drug metabolites in solid phase extracts
- Analyte elution solvents for evaporation



## Solvents and Solvent Combinations

- Acetone
- Chloroform
- Ethyl acetate
- Hexane
- Methylene chloride

## Industries

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

## Product specifications for the Savant SpeedVac SPD130DLX 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 lbs (34 kg)

### Materials of construction

Type of cover Radiant glass safety cover

Chamber PTFE-coated aluminum

Chamber seal Silicone rubber

Fittings Polypropylene

### Operational requirements

SPD130DLX-115 115 VAC, 60 Hz, 6 A

SPD130DLX-230 230 VAC, 50 Hz, 3 A

Plug configuration: SPD130DLX-115 NEMA 5-15P

Plug configuration: SPD130DLX-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 NA

Vacuum level control Vacuum end point mode

Number of preset programs 3

Number of user-defined programs 3

Lid lock indicator Yes

Auto and manual run buttons Yes

Radiant lamp on/off buttons Yes

Preheat button Yes

### Compliance

North America UL listed to US and Canadian requirements; CE marked



SpeedVac SPD130DLXP1 Vacuum Concentrator Kit

### SpeedVac SPD130 Vacuum Concentrator Kits and components

Cat. No.	Component Cat. No.	Description
SPD130P1-115	SPD130DLX-115	Vacuum concentrator
	RVT5105-115	Ultralow-temperature refrigerated vapor trap (–105°C)
	OFP400-115	Vacuum pump
	DVG50-UNV	Digital vacuum gauge
	VTK80	Vacuum tubing kit
	SCT120	Chemical cartridge trap
	DC120A	Cartridge for vapor trap
	SCC1	CryoCool™ heat transfer fluid (1 L)
	GCF400	Glass condensation flask
	RH64-11	Rotor
SPD130P1-230	SPD130DLX-230	Vacuum concentrator
	RVT5105-230	Ultralow-temperature refrigerated vapor trap (–105°C)
	OFP400-230	Vacuum pump
	DVG50-UNV	Digital vacuum gauge
	VTK80	Vacuum tubing kit
	SCT120	Chemical cartridge trap
	DC120A	Cartridge for vapor trap
	SCC1	CryoCool heat transfer fluid (1 L)
	GCF400	Glass condensation flask
	RH64-11	Rotor

### SpeedVac SPD130DLX Vacuum Concentrator

Cat. No.	Description
SPD130DLX-115	SPD130DLX Vacuum Concentrator, 115 V/60 Hz
SPD130DLX-230	SPD130DLX Vacuum Concentrator, 230 V/50 Hz
SPD130P1-115	SPD130P1 Integrated System, 115 V/60 Hz
SPD130P1-230	SPD130P1 Integrated System, 230 V/50 Hz

## Traditional rotors for the SpeedVac SPD130DLX Vacuum Concentrator

Sample format type	Working volume (mL)	No.	Description	Traditional rotor model
Microcentrifuge tubes	1.2–1.6	40	1.5–2.0 mL	RH40-11
	1.2–1.6	64	1.5–2.0 mL	RH64-11
	1.2–1.6	120	1.5–2.0 mL	RH120-11
	3.5	10	17 x 60 mm (5 mL)	RH10-15
Glass and plastic tubes	0.3	100	0.4 mL (96 x 50 mm)	RH100-6
	0.3	100	0.5 mL (8 x 29)	RH100-8
	4	40	1.5 – 20 mL (12 x 75 mm)	RH40-12
	4	72	12 x 75 mm	RH72-12
	8	32	13 x 100 mm	RH32-13
	15	8	17.5 x 102 mm, 15 mL Corex tubes	RH8-17.5
	10	8	18 x 100 mm, 17 x 95 mm, 16 x 100 mm	RH8-18
Centrifuge tubes	12	10	15 mL conical (16 x 120 mm)	RH10-15
	40	6	50 mL conical (28 x 115 mm)	RH6-50
Flasks	80	4	100 mL pear-shaped flask	RH4-100
Vials	2	60	12 x 32 mm, 12 x 40 mm	RH60-12-40
	3	24	1-dram vials, 15 x 45 mm (4 mL)	RH24-15
	2.4, 4	12	20 x 47 mm, 20 x 60 mm	RH12-20
	5.6	24	18 x 52 mm scintillation vial	RH24-18
	16	12	28 x 60 mm, 20 mL scintillation vial	RH12-28
Microwell plates	–	2	Shallow-well plates	RHDW2MP
	–	6	Shallow-well plates	RHSW6MP

## SpeedVac Vacuum Concentrator accessories

Cat. No.	Description
GCF400	Glass condensation flask
FC400	Flask cover for Cat. No. GCF400
145-6012-00	Foam insulating ring
SCC1*	CryoCool heat transfer fluid (1 liter)
ANT100	Post-trap assembly for oligo preps; used on UVS850DDA only
ANS121	Ammonia-neutralizing solution for oligo preps; used on UVS850DDA only
SCT120	Chemical trap (order cartridges separately)
DTK120R	Chemical trap kit for radioactivity (compatible with all Thermo Scientific vacuum concentrator products)
DC120A	Disposable cartridge for neutralizing acid
DC120R	Disposable cartridge for trapping volatile radioactivity
CC120/DX	Deluxe convenience cart for SpeedVac™ Vacuum Concentrator systems

\* Hazardous materials: These items require special shipping and handling when shipped by air.

Find out more at [thermofisher.com/speedvac](https://thermofisher.com/speedvac)

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