

Thermo Scientific Savant SpeedVac SRF110 Medium Capacity, Refrigerated Vacuum Concentrator

Thermo Scientific™ Refrigerated SpeedVac™ SRF110 is a medium capacity, modular design, refrigerated vacuum concentrator to be used within Proteomics and Molecular Biology sample preparations.

Benefits

- **Proven reliability:** Over 50 years of experience stand behind the Savant™ SpeedVac family of products.
- **Sample Protection from Heat:** Capability to maintain chamber temperature as low as -4°C ensures sample integrity and makes this product ideal for heat sensitive samples.
- **Two step time and temperature programming including precool and post cool option.**
- **User friendly:** User-friendly interface which allows use of 3 quick start programs and option to save up to 9 customized programs

Applications

- Biological samples that are “Heat Sensitive” and that require stable temps at +4c or slightly lower.
- Proteomics
- RNA -All types mRNA, tRNA, rRNA
- Enzymes
- DNA
- Samples affected by Freeze/Thaw cycles



Industries

- Biotech (Molecular Biology and Protein)
- Academic Research
- Pharmaceutical
- Life Science

Product Specifications Refrigerated SpeedVac -SRF110 Vacuum Concentrator**Physical Properties**

Product Dimension (WxDxH)	14.3 x 21.7 x 16.6 inch (37x 56 x 43 cm)
Product Weight	95 lb (43 kg)
Shipping Dimension (WxDxH)	24 x 32x 24 inch (61x 82 x 61 cm)
Shipping Weight	108 lb (49 kg)
Additional required ventilation space	3 in / 8 cm on all sides

Materials of Construction

Lid Type	Epoxy coated Aluminum lid
Chamber	Powder Coated Aluminum Chamber
Chamber Seal	Phenol Free Lid gasket
Exterior	Powder coated Steel

Operational Requirements

SRF110-115	115 VAC, 60 Hz, 16 amps
SRF110-230	230 VAC, 50 Hz, 8amps
Plug Configuration: SRF110-115	NEMA 5-20P
Plug Configuration: SRF110-230	PS1363 (UK) CHI-10P (China) CEE7/7 (EU)
Typical Rotor Spin Speed	Up to 1,725 RPM
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Motor	Maintenance-free induction motor

User Interface / Display

Temperature settings	Ambient, -4 to 100°C in 1°C increments
Heat Time setting	1 min to 999min and continuous
Run Time setting	1 min to 999min and continuous in manual mode
Number of quick Start programs	3
Number of User Defined Programs	Up to 9
Built in Vacuum Delay	Yes
Refrigeration Activation	Yes
Lid Lock Indicator	Yes
Auto and manual Run Buttons	Yes
Pre-heat Button	Yes
Quick Stop	Yes

Compliance

Certification	UL/CAN/CSA (Listed to US and Canadian requirements) CE/UKCA, KC, RCM Marked
F-Gas	EPA-SNAP and EU517/2014

SpeedVac Part No.**Description**

SRF110-115	SRF110 Refrigerated Vacuum Concentrator, 115V /60Hz
SRF110-230	SRF110 Refrigerated Vacuum Concentrator, 230V / 50 Hz
SRF110P1-115	SRF110P1 Refrigerated Vacuum Concentrator Kit 115V / 60 Hz
SRF110P1-230	SRF110P1 Refrigerated Vacuum Concentrator Kit 230V / 50 Hz
SRF110P2-115	SRF110P2 Refrigerated Vacuum Concentrator Kit 115V / 60 Hz
SRF110P2-230	SRF110P2 Refrigerated Vacuum Concentrator Kit 230V / 50 Hz

Ordering Information

Kit Catalog Number	Kit Component	Description	Kit Catalog Number	Kit Component	Description
SRF110P1-115	SRF110-115	Refrigerated Vacuum Concentrator	SRF110P1-230	SRF110-230	Refrigerated Vacuum Concentrator
	RF132	Hexagonal Rotor		RF132	Hexagonal Rotor
	RVT450-115	Refrigerated Vapor Trap (-50°C)		RVT450-230	Refrigerated Vapor Trap (-50°C)
	VLP120-115	Oil Pump		VLP120-230	Oil Pump
	UTP-TYG	Tubing Kit		UTP-TYG	Tubing Kit
	GCF400	Glass Condensation Flask, 4L		GCF400	Glass Condensation Flask, 4L
	FC400	Flask Cap		FC400	Flask Cap
	SCC1	CryoCool™, 1L		SCC1	CryoCool™, 1L

SRF110P2-115	SRF110-115	Refrigerated Vacuum Concentrator	SRF110P2-230	SRF110-230	Refrigerated Vacuum Concentrator
	RF132	Hexagonal Rotor		RF132	Hexagonal Rotor
	UVS450-115	Universal Vacuum System		UVS450-230	Universal Vacuum System
	UTP-TYG	Tubing Kit		UTP-TYG	Tubing Kit
	GCF400	Glass Condensation Flask, 4L		GCF400	Glass Condensation Flask, 4L
	FC400	Flask Cap		FC400	Flask Cap
	SCC1	CryoCool™, 1L		SCC1	CryoCool™, 1L

Rotors for SRF110 Refrigerated Vacuum Concentrator

Rotor SKU	Type	Number	Description
RF132	Microcentrifuge	132	1.5mL/ 2.0mL Microcentrifuge Tube
RF108	Tube; 12-13mm	40 and 100	40 x 1.5mL 40 x 2.0mL; 16 x 3mL 100 x 5mL; 64 x 5mL 100 x 6mL; 64 x 10mL
RF52	Tube; 12-17mm	52, 44, and 36	52 x 2mL 52 x 5mL 44 x 3mL 36 x 5-6mL 36 x 10mL
RF32	Tube; 28mm	32 and 12	32 x 1.5mL 32 x 2mL 12 x 40mL 12 x 50mL
RFMT4	Microtiter Well plate	2 and 4	2 x Deep Well Plates 4 x Standard Micro Plate

SpeedVac Vacuum Concentrator Accessories

Part No.	Description	Part No.	Description
GCF400	Glass condensation flask	SCT120	Chemical Trap (use with SRF110P1 kit, order cartridge separately)
FC400	Flask cover for GCF400	DC120A	Disposable Cartridge for Neutralizing Acid
145-6012-00	Foam insulating ring	DVG50	Digital Vacuum Gauge (Optional -use with SRF110P1 kit)
SCC1*	CryoCool® heat transfer fluid, 1 liter	ANT100	Post trap Assembly (use with SRF110P2 Kit)
CC120/DX	Deluxe convenience cart for SpeedVac™ systems	ANS121	Ammonia Neutralizing Solution (Use with ANT100)

*Hazardous Materials -These items require special shipping / handling when shipped by air.

Australia +61 39757 4300

Austria +43 1 801 40 0

Belgium +32 53 73 42 41

China +800 810 5118 or

+400 650 5118

France +33 2 2803 2180

Germany national toll free 0800 1 536 376

Germany international +49 6184 90 6000

India toll free 1800 22 8374

India +91 22 6716 2200

Italy +39 02 95059 552

Japan +81 3 5826 1616

Netherlands +31 76 579 55 55

New Zealand +64 9 980 6700

Nordic/Baltic/CIS countries

+358 10 329 2200

Russia +7 812 703 42 15

Spain/Portugal +34 93 223 09 18

Switzerland +41 44 454 12 12

UK/Ireland +44 870 609 9203

USA/Canada +1 866 984 3766

Other Asian countries +852 3107 7600

Countries not listed +49 6184 90 6000

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