

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 |
| Rotor Spin Speed | Up to 1,725 RPM |
| 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.

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