

3.5 SPEEDVAC® PLUS SC110A/SC210A OPERATION

1. Load samples symmetrically and verify that the rotor is firmly seated and the hold-down knob is hand-tight.
2. Close the cover and set the CONCENTRATOR switch to ON. (Bleeder valve operation in SpeedVac® Plus models is automatic. A speed sensor inside the concentrator applies vacuum when the rotor reaches 800 RPM).
3. Select DRYING RATE as described in section 3.3.
4. When the run is stopped by setting the CONCENTRATOR switch to the OFF position, the unit immediately bleeds the rotor chamber, then waits 10 seconds before braking the rotor. **Do not open the cover until rotation has completely stopped.**
5. Shut off chamber heater by setting DRYING RATE switch to LOW.

4.0 SPECIFICATIONS

Dimensions (W x D x H):

SC110/SC110A	11.0" x 18.0" x 13.0" (29.0 cm x 46.0 cm x 32.0 cm)
SC210A	18.0" x 25.0" x 18.0" (46 cm x 62.0 cm x 46 cm)

Weight:

SC110/SC110A	34 lbs (16 kg)
SC210A	86 lbs (39 kg)

Electrical Requirements:

SC110/SC110A	120 VAC / 60 Hz, 4 A or 230 VAC / 50 Hz, 2 A
SC210A	120 VAC / 60 Hz, 8 A or 230 VAC / 50 Hz, 4 A

Cabinet: Chemical-resistant, coated steel construction

Cover: Transparent 0.75 in (1.91 cm) acrylic (standard)
Optional radiant cover available for all units. Optional glass safety cover available for SC110/SC110A.

Safety interlock on SC110/SC110A (240 V models) and SC210A (120 V and 240 V models)

Caution: DO NOT apply heat to this cover-serious deformation will occur under vacuum.

Vacuum Chamber: Chemical-resistant, impregnated aluminum casting with inert, fluorocarbon coating (TEFLON®)

Vacuum Fitting: 0.5" (1.27 cm) O.D. vacuum fitting

Controls:

Concentrator Two-position switch (ON/OFF)

Drying rate Three-position switch (HIGH/MEDIUM/LOW)
(65 °C/43 °C/Ambient)

Drive: Magnetic coupling drive

5.0 ACCESSORIES AND ROTORS **(please refer to chart on page 9 for rotors)**

RC110A Radiant Cover for SC110A SpeedVac® Plus

RC210A Radiant Cover for SC210A SpeedVac® Plus

GSC110 Glass Safety Cover for SC110/SC110A

SCT120 Chemical Trap

DC120A Disposable Cartridge for SCT120 when trapping acid and water vapors

DC120A/4 Disposable Cartridge for SCT120 when trapping acid and water vapors (4 pack)

DC120R Disposable Cartridge for SCT120 when trapping radioactivity and organic solvent vapors

DC120R/4 Disposable Cartridge for SCT120 when trapping radioactivity and organic solvent vapors (4 pack)

6.0 WARRANTY AND LIABILITY STATEMENTS

All Thermo Savant products (excluding glassware) are warranted against defects in material and workmanship for one year after the date of delivery to the original purchaser. Thermo Savant's warranty is limited to defective materials and workmanship. Warranty work is subject to our inspection of the unit. No instruments, equipment, or accessories will be accepted without a Return Material Authorization (RMA) number issued by Thermo Savant. The warranty obliges you to follow the precautions in this manual.

When returning apparatus that may contain hazardous materials, you must pack and label them following U.S. Department of Transportation (DOT) regulations applying to transportation of hazardous materials. Your shipping documents must also meet DOT regulations. All returned units must be decontaminated and free of radioactivity. It is the responsibility of the user to dispose of ALL materials in a manner in accordance with all federal, state and local regulations.

Under no circumstances shall Thermo Savant be liable for damages due to the improper handling, abuse, or unauthorized repair of its products. Thermo Savant assumes no liability, express or implied, for your use of this equipment.