SSC 4500
Sterile Storage Cabinet

For storage of items post sterilization or anywhere ISO 4 cleanliness is required

Manufactured using hospital grade 304 stainless steel for the interior payload, this cleanable white-powder coated aluminum storage cabinet is designed to control temperature, humidity, pressure, and cleanliness. Integrated cooling and steam humidifier maintain temperature and humidity conditions within the chamber to meet desired set point conditions. The onboard custom control system provides easy operation utilizing a digital display for monitoring temperature, humidity, pressure and system status. The mobile storage cabinet is built with casters so the unit can be easily moved from room to room as required. An integrated HEPA filtration system is designed to exceed ISO 4 cleanliness standards.
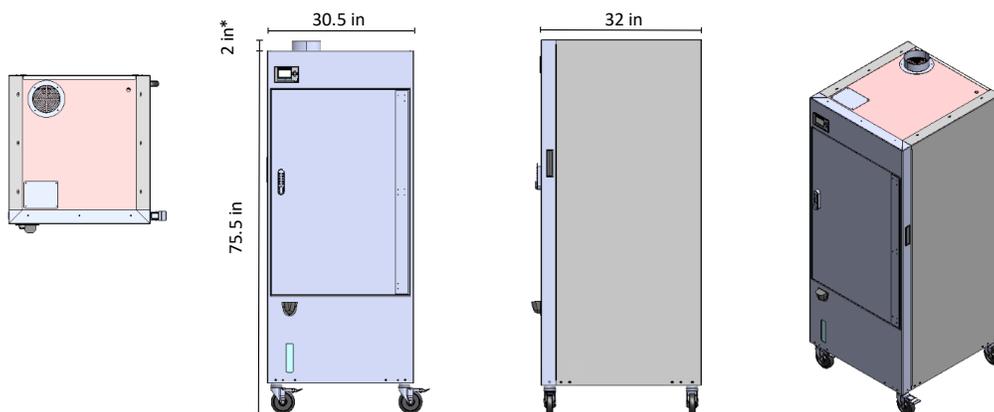
Designed for Flexibility and Ease of Use

- Deploys Quickly — Made for plug and play applications
- Portable — Easily moved from room to room
- Modular — bank multiplies together for larger volume needs
- Prevent unnecessary reprocessing by keeping sterile equipment within proper humidity, temperature, pressure, and cleanliness parameters
- Prevents Contamination — Maintain the sterility and integrity of your equipment and supplies

- Saves Cost — Install a portable solution instead of retrofitting an existing space to meet strict temperature, humidity and pressure requirements
- No hardwired electrical or plumbing connections—Painless installation does not require any additional connections
- User friendly capacitive touch controls
- On-demand cleanroom without major construction, deconstruction, or permitting, while maximizing flexibility of space

Models and Sizing				
Model	Overall Exterior Dims	Weight	Shelf Qty & Dims	Overall Payload Dims
SSC 4500	30.5" W x 32" D x 77.5" H	450 lbs.	5-27.75" W x 18" D	28" W x 19"D x 42" H

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User Interface

Displays temperature, humidity, pressure and alarm

Adjustable Shelves

Stainless steel pull out shelves, adjustable height

Locking Mechanism

Lockable door with keypad

Fill Spout

Accessible way to refill water as needed

Water Tank

Visible water storage. Tank can hold up to 3/4 gal of demineralized water for humidification

Heat Exhaust

Optional ducted heat exhaust

Handles

Made for easy relocation as needed

Power cord

Medical grade, 10ft long cord

Wheels Lock in Place

Lockable front casters
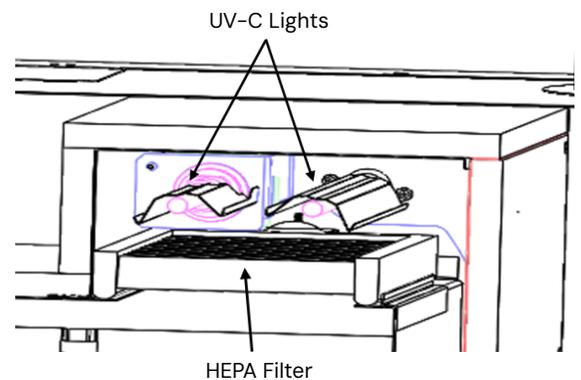
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Options

Ceiling Exhaust Kit — 24in x 24in or 24in x 48in

This option allows users to store the Sterile Storage Cabinet in small closets and vent though a ceiling tile. The waste heat from the cabinet can be discharged to the large spaces above the ceiling tiles. The kit provides a clean and neat way to manage the heat in small spaces.

UV-C Lights

The UV-C light is located above the HEPA filter and floods the filter with intense UV-C rays. This will sterilize airborne viruses and bacteria on the HEPA filter to protect personnel during servicing or filter replacements.

UV-C Lights

HEPA Filter

0-10 VDC Retransmit Kit

This option allows a user to remotely monitor the temperature, humidity, and pressure of the Sterile Storage Cabinet from another room. The microprocessor will send a 0-10VDC signal that can easily be controlled to the process values of the cabinet by a simple formula.

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Specifications

- Exceeds requirements of VA Directive 1116(2); CSA (Canadian Standards Association) Z314.15-10; ANSI/AAMI ST79-2006; ANSI/ASHRAE/ASHE Standard 170-2017. Conforms with UL60601-1
- Maintains 66°F to 72°F Temperature
- Maintains Humidity at 20% to 60% RH
- Maintains positive pressure +0.03"WC
- Meets IEC 60601-1 Medical Standard for Power Supplies
- Easily cleanable 304 stainless steel payload construction with cleanable white powder coated aluminum exterior
- HEPA Filtration designed to exceed ISO 4 Cleanliness or better in some environments
- 230 air changes per hour
- Integrated condensate control system
- Onboard custom control system provides easy operation utilizing a digital display for monitoring temperature, humidity, pressure and status.
- Integral pressure monitoring with alarm
- Steam humidification utilizing standard demineralized water
- Integral 3/4 gallon reservoir filled through front spout access
- 120V hospital grade 10ft long plug-in-cord
- 55-59 DBA at 3 feet (1 meter)
- Optional ducted heat exhaust
- Optional UV-C light available (bathes HEPA filter)
- Capability to interface with VA network environmental monitoring system via an access port

Requirements

- Building environmental conditions 60° – 82°F, 60 F Dew Point
- Demineralized water
- 120-1-60 supply, grounded 15 AMP (10 RLA) room receptacle
- Minimum recommended room size is 10' x 10' (with no ductwork). Optional heat exhaust allows for use in rooms smaller than 10' x 10'. For installations of 3 or more units in one room, please contact factory for

Note: The condenser exhaust air is 120CFM and will be 20F higher than the room temperature. Any condensation that the cabinet produces internally is evaporated into the condenser air which can be up to a maximum of 8oz/hr under full load operating conditions. The condenser outlet will be less than 50% RH under all specified operating conditions.

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