



## TECHNICAL SPECIFICATIONS

# Advanced Air Sterilization System

SteriSpace™ is an innovative air sterilization technology that can destroy airborne biological contaminants. SteriSpace™ uses a patented *compressive heating* technology to eliminate airborne biological pathogens such as bacteria, viruses, and spores, greater than 99.9999% effectiveness. It is an effective method to improve air quality and sterilize the air we breathe.



### Specification

SteriSpace Product Data

**Equipment Size (inches):**

45 ¼ L x 33 ¾ W x 34 ½ H

**Weight:** 500 lbs. (145.2 kg)

**Air Flow Rate:** 250 to 300 CFM

**Internal Sterilization Temperature:**

464 F° (240°C)

**Sterile Air Discharge Temperature:**

100 F°± 5°F (34°C)

**Electrical Utilities:**

208/230 V, 3 Ph, 60 Hz, Steady state of 12-13 Amps

### Power Consumed

**Heat-up Cycle (40 minutes):**

6.2 kW

**Steady State, Continuous:**

4.3 to 4.9 kW

**Current Draw (startup):** 15 Amps

**Materials of Construction**

**Frame:** 6061 Aluminum

**Panels:** Aluminum with Powder Coating

**Enclosure:** Aluminum

**Blower:** Iron/Cast Aluminum

**Ducting:** Aluminum, 4 in diameter Inlet/Outlet connections

### Principle of Operation:

Independent third-party testing has demonstrated an efficacy of >99.9999% of hardy bacterial spores including but not limited to Anthrax and *Bacillus globigii*, vegetative bacteria, viruses, and thermally resistant bacteria such as *Bacillus stearothermophilus*.

### Automation Package and Operator Control Panel Includes:

- Programmable Logic Controller (PLC)
- Simple Start, Push-button with minimal user interaction
- Process indicator lights and audible alarm for safety
- Variable Frequency Drive (VFD) regulates blower and motor RPM speed to regulate sterile treatment temperature
- Instrumentation, Process Monitoring & Thermocouples included
- Can be connected by Ethernet

### Drive Motor, Blower, and Heat Exchanger

- Air to air, counter flow heat exchanger, Aluminum construction
- Heat exchanger effectiveness > 90%
- Positive Displacement Blower or centrifugal blower
- Operates at pressure levels slightly above or slightly below ambient atmosphere.

Contact:

[support@airpurifiersandcleaners.com](mailto:support@airpurifiersandcleaners.com)

800-701-2513