SURGICALLY CLEAN AIR™

Specifications Release Date: October 2021

Geography: North American | Series C

ONYXsca
Technical Specifications

General Description

Manufacturer: Surgically Clean Air Inc.

Model Name: ONYXsca

Model Number: SCA2000C

Colours Available: Powder coated metal

Housing: White or Matte Black

Dimensions: 43.5cm x 75cm x 19.5cm

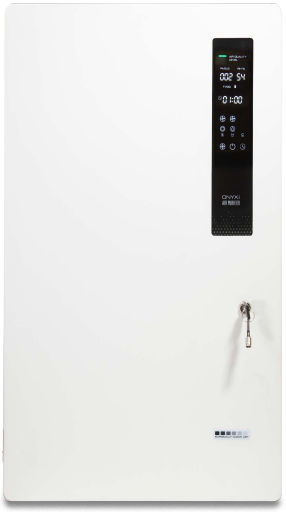
Weight: 18.5kg

Internal Technologies Included

- **Permanent Pre-Filter:** Cleanable Fine Mesh
- **Ultrafine Aerosol Particulate Filter:** HEPA-Rx
- **Activated Carbon:** Broad spectrum adsorption Coconut Shell Activated Carbon Filter
- **UV-C+ Lamp:** Non-Ozone Producing 254 nm Doped Quartz Glass Germicidal UV-C
- **Hydroxyl Radical Reactivity Chamber:** Photocatalytic TiO2 (Titanium Dioxide) mixed phase anatase and rutile
- **Revitalizing Negative ION Chamber:** 3,000,000 ions/cm³ Negative Ion Generator

Features

- Airflow up to 240 CFM
- Remote control
- Lockable control panel to prevent setting changes
- Energy-optimized for operation through special design for high efficiency and with favourable acoustic behaviour
- Single point power connection
- Ready for operation with minimal setup
- Access/Security Lock
- Automatic Mode
- Operation Scheduling
- UV-C+ Lamp On/Off
- Negative Ions On/Off
- Air Quality Sensors



Performance Data

Airflow Cubic Feet Per Minute (CFM)	
Low	125
Medium	195
High	240

Sound Level	
Low	<40 dB(A)
Medium	47 dB(A)
High	55 dB(A)

Electrical Data

Rated voltage: 120 VAC, 1.1 A, 60 Hz

Power Cord: NEMA 1-15P/240mm

Warranty

Surgically Clean Air will either repair or replace any defective or malfunctioning unit at no cost to the client for a 1-year period.

Filtration & Containment Testing

Minimum Inert Material Capture (Fractional Collection Efficiency):

- **EN1822 Standard Minimum 98.69% Efficiency at 0.052µm @300cfm**

Product Safety Data

UL/CSA Recognized ETL Product Safety Tested & Certified

Federal CARB Ozone Emissions Tested & Certified:

Minimum Biological Capture Testing Requirements (Fractional Collection Efficiency)

- **(Virus) MS-2 phage (ATCC 15597-B1) – >99.9% efficiency @300 cfm**
- **(Bacteria) Staph Aureus (ATCC 6538) – >99.9% efficiency @300cfm**
- **(Fungus) Aspergillus Niger (ATCC 1004) – >99.9% efficiency @300cfm**