



Surgically Clean Air's JADE™2.0 Air Purifier (SCA5100C) is one of the World's Most Advanced Standalone, Premium, Commercial-Grade Air Purifiers.

# JADE™2.0

## AIR PURIFICATION SYSTEM

(SCA5100C)



### MOVES A LOT OF AIR

Easily cleans & purifies large workplaces.



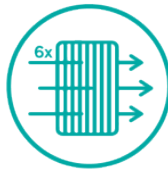
### LOW TOTAL COST

Lowest cost per cubic foot of air cleaned over a 5 year period.



### WHISPER QUIET

Sound engineering allows a large airflow at < 50 dB.



### ROBUST TECHNOLOGY

Multiple distinct stages that filter, sterilize and re-energize indoor air.

## WE DON'T JUST FILTER POLLUTANTS, WE REMOVE THEM.

- ✓ Removes harmful particles, pollutants and airborne contaminants.\*
- ✓ Removing pollutants can increase alertness & mental energy \*
- ✓ Removing pollutants can increase productivity \*
- ✓ Removing pollutants can reduce absenteeism \*
- ✓ Minimize facility odours
- ✓ Reduce staff and patient anxiety
- ✓ Protect equipment from harmful dust build up

Protecting over  
**50,000+**  
Medical Professionals

Trusted by  
**Fortune 500**  
Companies + Pro Sports Teams



### Features

**Large Control Screen** - PM2.5, Temperature, Humidity TVOC Display, RH Sensor

**Timer Setting** - The timer setting helps you run the system for a predefined time frame

**Remote Control** - Giving you ease of access to control the system from a distance

**UV-C+ Lamp Interlock Switch** - Enhanced safety feature that ensures the UV lamp is not activated w/o filters

**Negative ION** - On/off Function

### Specifications:

**Dimensions:**

(D) 12.4 in x (H) 35.2 in  
(D) 31.6cm x (H) 89.5cm

**Weight:**

31.9lbs | 14.5kgs

**Sound Level:**

Low: <37dB (A) | Medium: <45dB (A)  
High: <52dB (A) | Turbo: <58dB (A)

**Technologies:**

- Pre-Filter
- Ultrafine Particulate Filter (HEPA-Rx)
- Activate Carbon Filter
- UV-C+ Lamp
- Hydroxyl Radical Reactivity Chamber
- Revitalizing Chamber

- Yes
- Yes
- Yes
- Yes
- Yes (Permanent)
- Yes (Permanent)

**Delivered Air Flow:**

CFM: 135 | 223 | 330 | 448



Surgically Clean Air's JADE™2.0 Air Purifier can capture nearly

**100%** of Air Pollutants, Viruses, Bacteria & Fungus present in indoor air.

**MONITORS  
AIR QUALITY  
IN REAL TIME.**



WHAT YOU SEE



WHAT YOU BREATHE



## THE STAGES OF AIR PURIFICATION

CAPTURE

### PRE-FILTER STAGE

The pre-filter stage catches the largest particles as room air is drawn through the intake chamber.

### PROPRIETARY HEPA-Rx FILTER

The HEPA-Rx filter captures >99.9% of the ultrafine particulates down to 0.0025 microns in size.

### ACTIVATED CARBON FILTER

The activated carbon filter adsorbs VOCs (Volatile Organic Compounds) - noxious odours, chemicals and gases.

### UV-C+ LAMP

The UV-C Lamp is implemented to eliminate (reduce the concentration of) airborne pathogens.

### TiO2 CATALYST

The UV-C+ lamp is housed in a Photocatalytic Oxidation (PCO) chamber lined with a Titanium Dioxide (TiO2) Catalyst. The superior photocatalytic oxidation ability of TiO2 leads to degradation of indoor air pollutants and VOCs. As pollution-laden air passes through the PCO chamber, the TiO2 decomposes toxic and hazardous organic pollutants under UV-C+ light irradiation giving you clean, purified air.

### HYDROXYL RADICALS

Hydroxyl radicals are released in the internal chamber and further attack pollutant molecules, breaking apart their chemical bonds rendering them harmless.

### REVITALIZING NEGATIVE ION CHAMBER

Before the pure, clean air is circulated back into the room, the air is revitalized with negative ions.

Studies have shown that Negative ions increase the flow of oxygen to the brain; resulting in higher alertness, decreased drowsiness and more mental energy. \*

DESTRUCTION

RE-ENERGIZE

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\* Surgically Clean Air does not make any medical or health claims.

\* Independent studies available - please call Surgically Clean Air for documentation