



Surgically Clean Air's JADE Air Purifier (SCA5000C) is one of the World's Most Advanced Standalone Medical Grade Air Purifiers.

# JADE

## AIR PURIFICATION SYSTEM

(SCA5000C)



### MOVES A LOT OF AIR

Easily cleans & purifies large workplaces.



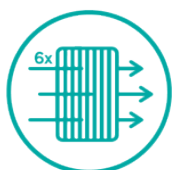
### LOW TOTAL COST

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 DESTROY THEM.

- ✓ Remove harmful viruses, toxins, pollutants & airborne contamination
- ✓ Increase alertness & mental energy
- ✓ Increase productivity
- ✓ Reduce absenteeism
- ✓ Minimize facility odours
- ✓ Reduce staff and patient anxiety
- ✓ Protect equipment from harmful dust build up

Protecting over  
**35,000+**  
Medical Professionals

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



Walmart

FBI

UConn | SCHOOL OF DENTAL MEDICINE



#### HOW FAR DO AIRBORNE PATHOGENS TRAVEL

	LARGE PARTICULATE UP TO	DROPLET NUCLEI UP TO
<b>SNEEZING</b>	15 ft	160 ft
<b>COUGHING</b>	5 ft	160 ft
<b>TALKING</b>	3 ft	160 ft

## GERMS CAN SPREAD UP TO 160ft

#### Specifications:

##### Dimensions:

(D) 12 in x (H) 33.5 in  
(D) 30.5cm x (H) 85cm

##### Weight:

30.6lbs | 13.9kgs

##### Sound Level:

Low: <30dB (A) | High: 55dB (A)

##### Technologies:

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

Yes

Yes

Yes

Yes

Yes (Permanent)

Yes (Permanent)

##### Delivered Air Flow:

CFM: 153 | 230 | 312 | 406

##### Air Quality Sensors:

Yes

##### Control Panel:

Hand Wave Sensor  
(Prevents Cross-Contamination)



[surgicallycleanair.com](http://surgicallycleanair.com)



Surgically Clean Air's JADE Air Purifier can remove almost  
**100%** of Air Pollutants, Viruses, Bacteria & Fungus  
 present in indoor air. (Performance Guide Available)

**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 almost 100% of the ultrafine particulates down to 0.0025 microns in size.

### ACTIVATED CARBON FILTER

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

### GERMICIDAL UV-C+

The high intensity Germicidal UV-C+ ruptures the DNA of viruses and bacteria, effectively destroying them.

### TiO2 CATALYST

The Titanium Dioxide Catalyst adds more energy to the intensity of the Germicidal UV-C+ light. Electrons are then released at the catalyst surface. These electrons interact with water molecules and create Hydroxyl Radicals. This stage is sometimes referred to as photocatalytic oxidation.

### HYDROXYL RADICALS

Hydroxyl Radicals are released into the air and further attack pollutant molecules, breaking apart their chemical bonds rendering them harmless. It's like 'hand sanitizer for the air'.

### 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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