

ENGINEERING AIR FOR A SAFER ENVIRONMENT



Official Partner



# In the battle to make healthcare and hospital environments safer and cleaner, Geerpres® is partnering with Scientific Air Management, offering the SAM 400® Portable Air Disinfection Device.

## BENEFITS OF SAM 400®

- Tested under strict EPA guidelines — provides certified whole-room air disinfection in minutes.
- Helps reduce HAIs with a verified **99.9995%** UV-C airborne pathogen killing rate for viruses — eliminating bacteria, mold, odor and VOCs.
- Reduces airborne particulates by 99.97%.
- Quiet 24/7 UV-C air scrubbing — 100% safe for patients and staff.

In minutes, the SAM 400® uses a patented UV-C technology, processing large amounts of fast-moving air (400 CFM) to kill pathogens, reduce particulates, and remove odor and VOCs in a standard 10'x10'x 8' (800 cubic feet) room.

The SAM 400® is hospital proven with nationally recognized facilities such as NYU Medical Center, University of Rochester, Federal VA Hospitals, NY Health + Hospitals, and Baptist Health Systems using the device in their Intensive Care Units, Operating Rooms, Patient Rooms, Compounding Pharmacies, Labs, Morgues, Food-Service, Waiting Areas, and more.



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Eliminates  
99.9995% of  
airborne viruses  
in minutes!

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## DIMENSIONS

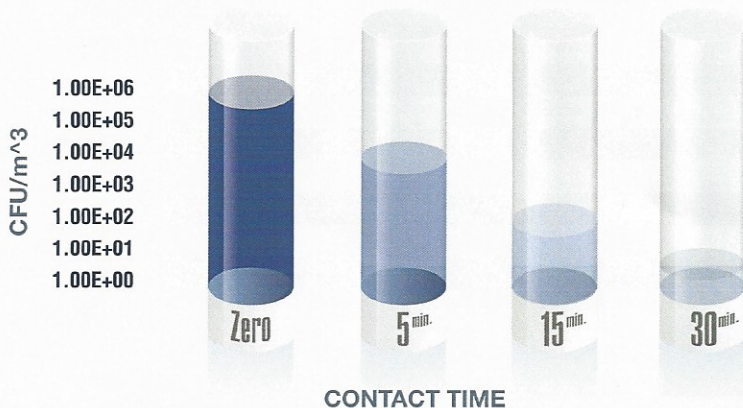
62 lbs. 22"W x 37"H

## SAM 400® FEATURES

- High-volume 400 CFM fan operation performs complete air change within 2-10 minutes in a typical room size of 10'x10'x8' (800 cubic feet).
- Powerful and quiet brushless high-speed motor disinfects 400 cubic feet per minute of air volume (42 decibels at average operating speeds).
- High-capacity SAM HEPA® pre-filter cartridge captures particulates down to 0.3 microns.
- Large-volume UV-C induction chamber for full process of pathogen-laden air, killing germs less than 0.3 microns in size.
- 360-degree total air intake system creates a quiet, undetectable whole-room air induction vortex.
- Patented carbon substrate for complete odor and VOC removal.
- Creates zero airflow disturbance, no temperature or humidity variations, and no negative or positive air pressure interference.
- Premium hospital wheel casters for effortless mobility on all surfaces with toe touch locking wheels.
- 110-120 voltage standard outlet with the same power requirements as a typical residential ceiling fan.
- Zero ozone production.
- Lightweight (62 lbs.) with aluminum balanced security base for superb stability and safety.
- On-Board Digital screen reporting.
- HEPA® Filter/Air Flow integrity metering.
- UC-V Light integrity/intensity metering.
- Carbon Final Filtration metering.
- Pathogen and Particulate Air Volume process metering.
- Filter replacements available with simple and economical annual self service.

## EPA Guideline Laboratory Certified

The SAM 400® conducted two separate efficacy analysis at independent nationally recognized facilities: Microchem Laboratories and Environmental Diagnostics Laboratories. Tests were conducted in EPA guideline full room size aerosolized chambers.



Test Device	Microorganism	Inoculum Concentration (CFU/ml)	Treatment Time Point	Recovery (CFU/m³)	Percent Reduction vs. Time Zero	Log <sub>10</sub> Reduction vs. Time Zero
Scientific Air Mangement 400	MS2 Bacteriophage ATCC 15597-B1	1.00E+07	Time Zero	1.00E+06	N/A	
			5 minutes	1.00E+04	99.0%	2.00
			15 minutes	1.00E+02	99.990%	4.00
			30 minutes	5.00E+00	99.9995%	5.30

## HEALTHCARE CLEANING SOLUTIONS

Creating value and efficiency is at the heart of a comprehensive approach to solutions for the healthcare and cleaning industry. The Geerpres® system includes quality, warrantied products, hardware, air purification, and advanced supplies.

The result: EVS teams and patients will benefit by lowering operating costs, improving HCAHPS scores, and eliminating HAIs.

Geerpres® has a history of providing innovative cleaning products and supplies. Our high-quality, stainless steel cleaning products offer superior antimicrobial properties required in the healthcare environment. In business for over 80 years, Geerpres® EVS carts, steel wringers, and seamless buckets have been the industry standard in environmental services including hospitals, cleanroom/critical environment, food service, education, military and more. Today, Geerpres® has expanded to include patented self-dispensing microfiber applicators, disposable mops and wipes that virtually eliminate cross-contamination concerns, and a durable powder-coated EVS cart line.



**SAM**  
Scientific Air Management  
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