

kills bacteria  
destroys odors  
eliminates smoke  
eradicates viruses

## S1000FX FILTER-UV AIR PURIFIER

The S1000FX is a combination Ultraviolet - Filter Air Purifier. The S1000FX is designed to destroy the harmful pollutants and odors resulting from cigarette smoke and other chemical and biological contaminants. In addition to the patented Sanuvox UV process, the S1000FX Clean Room option is equipped with two 30 inch UV "J" Lamps (one germicidal UV-C lamp and one oxidizing / germicidal UV-V / UV-C lamp) for complete biological and chemical protection. The Clean Room option includes a 99.97% HEPA Filter, which will trap particles down to 0.3 microns (1 / 75000 of an inch) in size. The S1000FX is equipped with a 1750-CFM blower and can be installed into the existing ventilation system or can be used as a stand-alone unit. HEPA filtration is recognized as one of the best ways to remove airborne particulate from the environment. Using both UV and HEPA technology makes the S1000FX unlike any other air purifier or air filter on the market today.

### SIZING GUIDE

The S1000FX is sized according to the cubic measurement of the area. The number of air changes required for smoking or nail salon applications is between 8 & 12 per hour.

The number of smokers will also have an effect. The more smokers, the more air changes required.

Ex. A room 25' x 25' x 10' has a cubic area of 6,250.

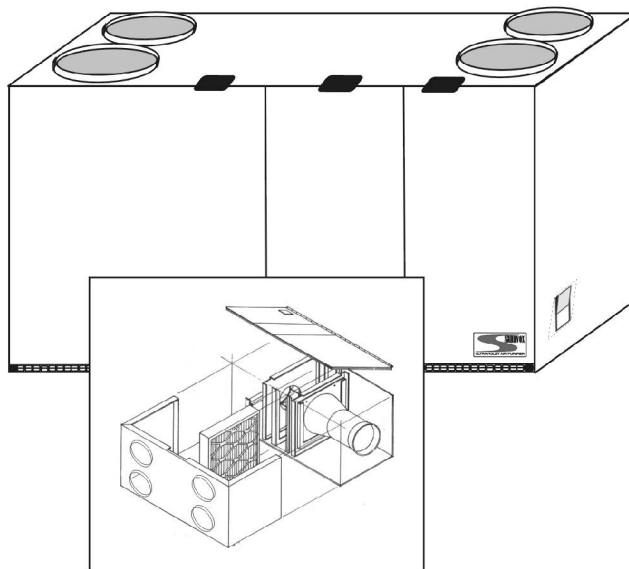
The S1000 moves 1000 cfm. Therefore in this room there will be an air change every 6.25 minutes, or 9.6 air changes per hour (60/6.25).

An area 60 x 60 x 10 has a cubic measurement of 36,000.

There will be 1 air change every 36 minutes, or 1.67 changes per hour.

This area will require a minimum of five S1000FX.

Depending on the number of smokers or nail stations, and how fast the air has to be cleaned will determine if the VOC Kit should be used. The VOC Kit adds 1-Oxidizing lamp and ballast and a VOC sensor so that when the VOC levels increase due to excess smoke or nail salon chemicals, the air can be oxidized hard, and when the levels drop, the sensor will shut off the second lamp, to reduce any residual ozone. If there is more than 1 - S1000FX in service, the additional oxidizing lamp & ballast can be added to these units. Up to 4 additional lamps can be controlled by 1 sensor.



### TECHNICAL SPECIFICATIONS

Outside Dimensions	20" x 20" x 41" (508 mm x 508 mm x 1041 mm)
Mounting	Three sets of four 1/4" threaded mounting brackets
Weight	59 Lbs. (26.8Kg.)
Air inlets	2 x 8 inch
Air outlets	2 x 8 inch
Power requirements	120 Volt 360 Watts 60Hz:
Blower rating	1750 cfm.
Airflow under load	1000+cfm
UV Lamp Dimensions:	J type (Proprietary) Ultraviolet Split Lamp
Lamp Arc Length:	19mm. Dia. 30 in. (756 mm)
Air Exposure Time to UV Lamp- per pass:	31.2 in. (793 mm)
UV Intensity inside UV Reflector:	43 milliseconds
UV Reflector:	8,740 microwatts per/cm <sup>2</sup>
Noise Level: @ 5 feet (no duct attached)	10" x 20" Aluminum Reflective Cone
Enclosure Noise Level @ 5 feet	59 dBa
Prefilters (2)	54 dBa
Main Filter:	1" Media filter
Chassis	19.5" X 19.5" x 4" 90-95% ASHRAE
Paint	Aluminum,
Options	Powder Coat
Warranty:	Various 19.5" x 19.5" x 4" Media filters
	Clean Room Option, HEPA Filter
	UV Lamp 12 000 Operating Hours. All other parts, 1 year.

