

SANUVOX

COMMERCIAL SYSTEMS

SANUVAIR® S1000 UV FILTER SYSTEM



COMMERCIAL SYSTEMS

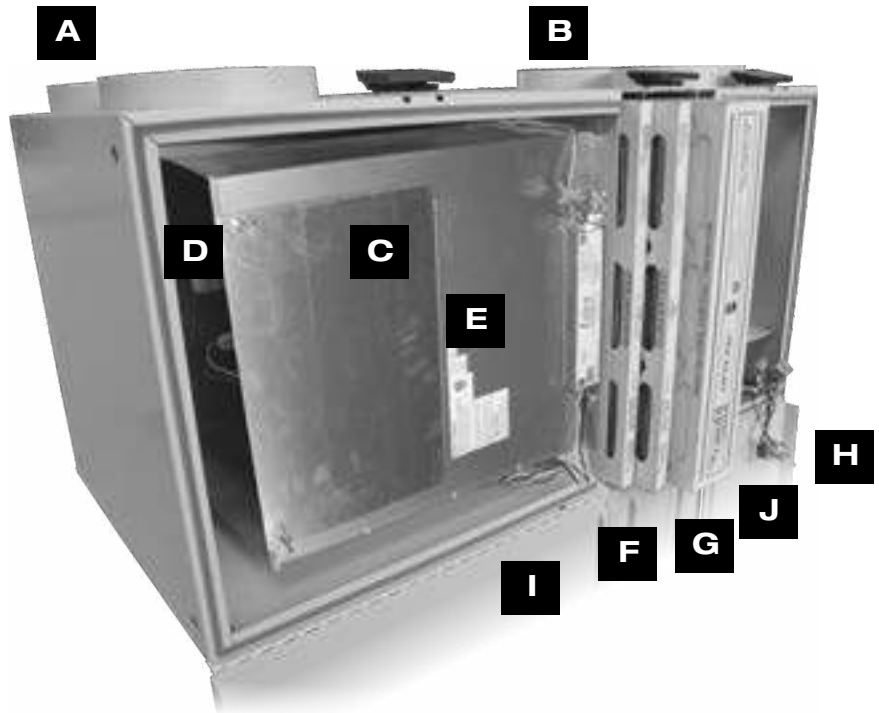
WARNINGS

Never expose eyes or skin to ultraviolet light from any source. Before installing or performing maintenance or service on the purifier, DISCONNECT from main power. Electrical shock can cause injury or death.

Do not touch Lamp glass without gloves. Reduced performance of Lamp may result. Clean Lamp after handling.

The UV Lamp contains a small quantity of mercury. If a Lamp breaks, clean and dispose of with care.

Use only specified replacement Lamps with your Purifier. Use of an incorrect Lamp can result in damage to the Purifier and/or Lamp therefor voids warranty.



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|----|-------------------------------|----|------------------------------------|
| A. | 1 x pair of 8" inlet collars | F. | 2 x 1" Pre-Filter |
| B. | 1 x pair of 8" outlet collars | G. | Main Filter (MERV 14 or opt. HEPA) |
| C. | Aluminum Reflecting Chamber | H. | Power 120 volt or 230 volt |
| D. | 4 x 31.5" UV 'J' Lamps | I. | Door |
| E. | 4 x ballast | J. | Safety Cut-Off Switch |

SAFETY PRECAUTIONS

When servicing UV purification-filtration equipment, observe precautions in the literature, tags and labels attached to the unit, and other safety measures that may apply. Follow all safety codes. Wear safety glasses and work gloves.

GENERAL

The SANUVAIR® S1000 is a combination Ultraviolet - Filter Air Purification System. The SANUVAIR® S1000 UV Germicidal Photo-Oxidation process (UVC/UVV) destroys bio-chemical contaminants such as mold, viruses, bacteria, germs, chemicals, cigarette smoke, VOC's and odors. The SANUVAIR® S1000 is also equipped with two 1" pre-filters and a MERV 14 (95%) efficiency filter. 99.97% HEPA Filter available. Details below.

OPTIONS

Depending on the model ordered, there may be additional options available.

SUBKITCROS1000

Clean Room Option. Incl. (1) HEPA 99.97% Filter (1) BST120W5 or (1) BST230W5 Secondary ballast (1) secondary LMPRGJ160 31.5" UVC 'J' Lamp

SUBKITVOCS1000

VOC Kit incl. (1) VOC Sensor (1) BST120W5 or (1) BST230W5 secondary ballast (1) secondary LMPHXJ160 UVV 'J' lamp.

MSCFTR12

An optional 99.97% efficient HEPA filter (20" x 20" x 4")

MSCTR12-1

An optional 99.97% efficient HEPA filter (20" x 20" x 5") biological contaminants.

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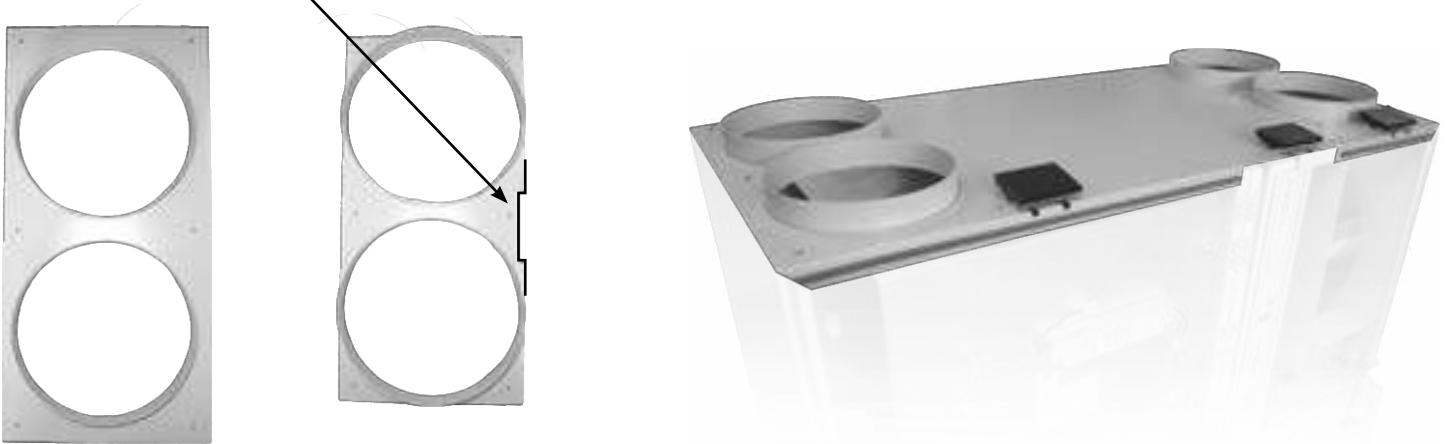
STEP 1

Install Inlet / Outlet Collars (each collar is a set of 2 x 8" round inlet and outlet)

Open the access door and insert the two pairs of collars into the SANUVAIR® S1000. Align the holes and screw down each pair of collars from the top of the SANUVAIR® S1000 with the included philips screws (6 screws per collar). Pay special attention to the orientation of the notch on the right side collar. The notch (highlighted in black) should be pressed up against the right side of the SANUVAIR® S1000.

Inlet Collar (left side)

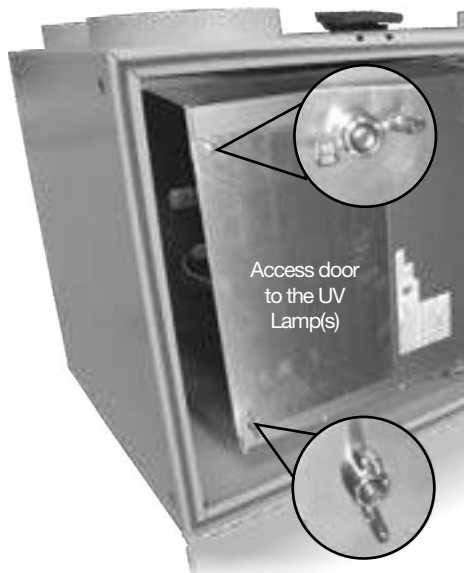
Outlet Collar (right side)



STEP 2

Installation of the UV Lamp

The UV Lamp is to be installed in the Aluminum Reflecting Chamber. To slide out the Aluminum Chamber, remove the two butterfly bolts and screws which secure it in place.



Adhere the included foam gasket (included in the Lamp box) to the porcelain end-cap with the 4 pins.



Insert the end-cap with foam gasket into the clamp assembly and tighten. Be careful not to over tighten as it may result in end-cap breaking.

Insert the white-plug into the UV Lamp's 4 pins. The plug will only fit in two of four ways. Either way is fine. The exposed wire-set is Teflon coated and is resistant to UV exposure.



* A clamp (or two, if you ordered an optional second lamp) is there to hold the lamp(s). MAKE SURE TO PUT THE RIGHT LAMP IN THE RIGHT CLAMP (see label identifier).

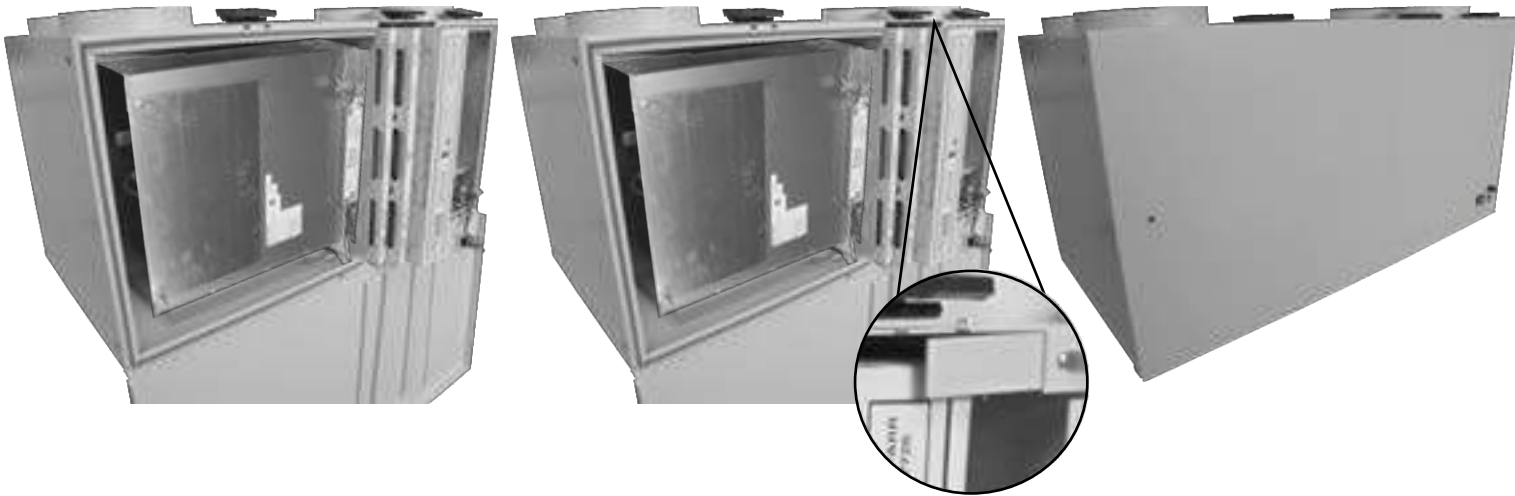
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STEP 3

Insert Filters

Insert the two (2) pre-filters and the main filter. Follow the arrow for airflow for proper filter direction. After the main filter is installed, close the latch to secure the filter in place. Close the door of the blower compartment.



STEP 4

Operation

The SANUVAIR® S1000 is now ready to be plugged into a 110V outlet. The SANUVAIR® S1000 may be used in many diverse applications. When ducting-in the unit, avoid 90 degree elbows when possible.

Maintenance

Visual inspection of the filter media should be performed and replaced as needed. The 1" pre-filters are designed to be an inexpensive replacement while extending the life of the main filter. Although the Lamp may "shine" for many years, the UV Lamp does age at which point it may become ineffective. The UV Lamp should be replaced after 17,000 operating hours.

Parts for SANUVAIR® S1000

BST120W5	Electronic ballast 120 volt for use in 120 volt unit
BST230W5	Electronic ballast 230 volt for use in 120 volt unit
LMPHGJ160	T6 Dual Zone regular intensity 16. UV «J» lamp
LMPRGJ160	Regular Intensity germicidal 16» UV «J» lamp
MSCSWC12	Speed control for use in 120 volt unit (optional)
SUBKITVOCS1000	VOC kit includes (1) VOC sensor (1) BST120W5 ballast or BST230W5 (PLEASE SPECIFY) (1) LMPRXJ160 UV-V «J» lamp. Applications Smoking room, Nail Salon, etc. (optional)
SUBKITCROS1000	Clean Room option includes (1) HEPA 99,97% filter (1) BST120W5 ballast or BST230W5 (PLEASE SPECIFY) (1) LMPRGJ160 UV-C «J» lamp. Applications Hospital, Doctors office, Pharmaceutical, Clean Room, Laboratories. (optional)
MSCFTR12	20"20"X4" HEPA 99,97% filter (optional)
MSCFTR1	20"x20"X4" 95% filter
MSCFTR	20"X20"x1" filter
MSCFTR12-1	20"x20"x5" HEPA 99,97% filter (optional)
MSCMTR9	Motor assembly for 120 volt. *Must be ordered with MSCCAP4 Capacitor
MSCCAP4	Capacitor for motor 120 volt
MSCMTR10	Motor assembly for 230 volt. *Must be ordered with MSCCAP5 Capacitor
MSCCAP5	Capacitor for motor 230 volt