

SANUVOX

COMMERCIAL SYSTEMS

S1000FX-GX UV FILTER SYSTEM



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WARNING

Before installing or performing maintenance or service on the purifier, DISCONNECT from main power. Electrical shock can cause injury or death.

WARNING

Never expose eyes or skin to ultraviolet light from any source. The Purifier MUST be DISCONNECTED from power source before performing maintenance or service. Personal injury may result.

WARNING

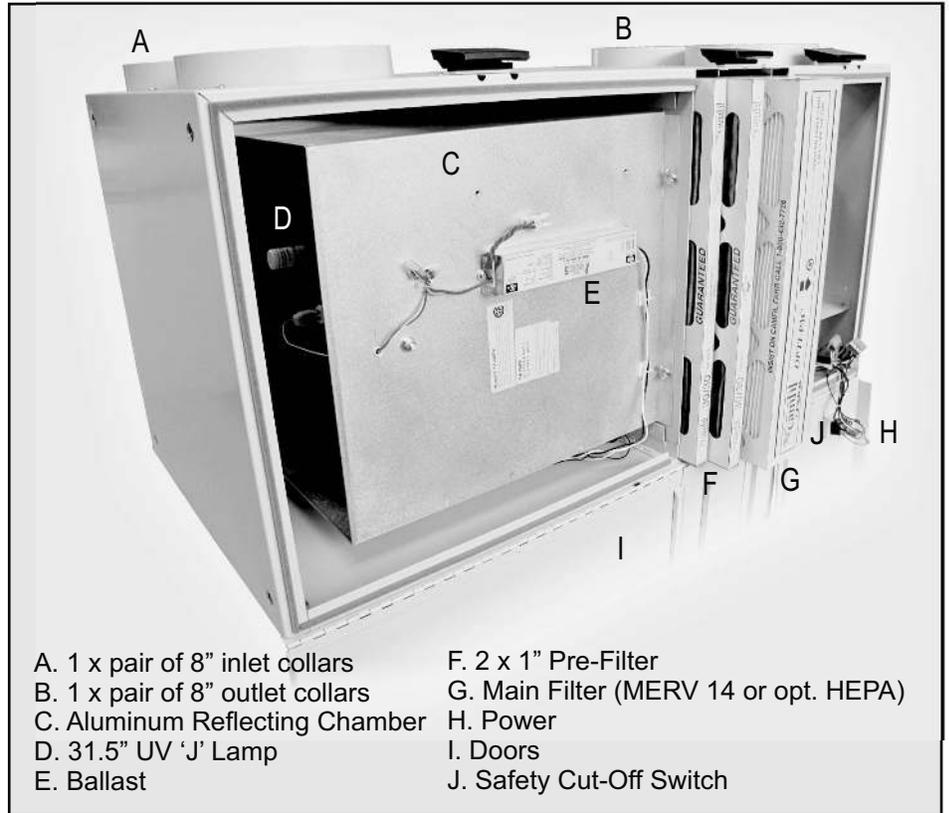
Do not touch Lamp glass without gloves. Reduced performance of Lamp may result. Clean Lamp after handling.

WARNING

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

WARNING

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



- A. 1 x pair of 8" inlet collars
- B. 1 x pair of 8" outlet collars
- C. Aluminum Reflecting Chamber
- D. 31.5" UV 'J' Lamp
- E. Ballast
- F. 2 x 1" Pre-Filter
- G. Main Filter (MERV 14 or opt. HEPA)
- H. Power
- I. Doors
- J. Safety Cut-Off Switch

SAFETY CONSIDERATIONS

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

GENERAL

The S1000FX-GX is a combination Ultraviolet - Filter Air Purification System. The S1000FX-GX 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 S1000FX-GX 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 LMPRXJ160 UVV 'J' Lamp.

MSCFTR12: An optional 99.97% efficient HEPA filter (20" x 20" x 4")

MSCFTR12-1: An optional 99.97% efficient HEPA filter (20" x 20" x 5") biological contaminants.

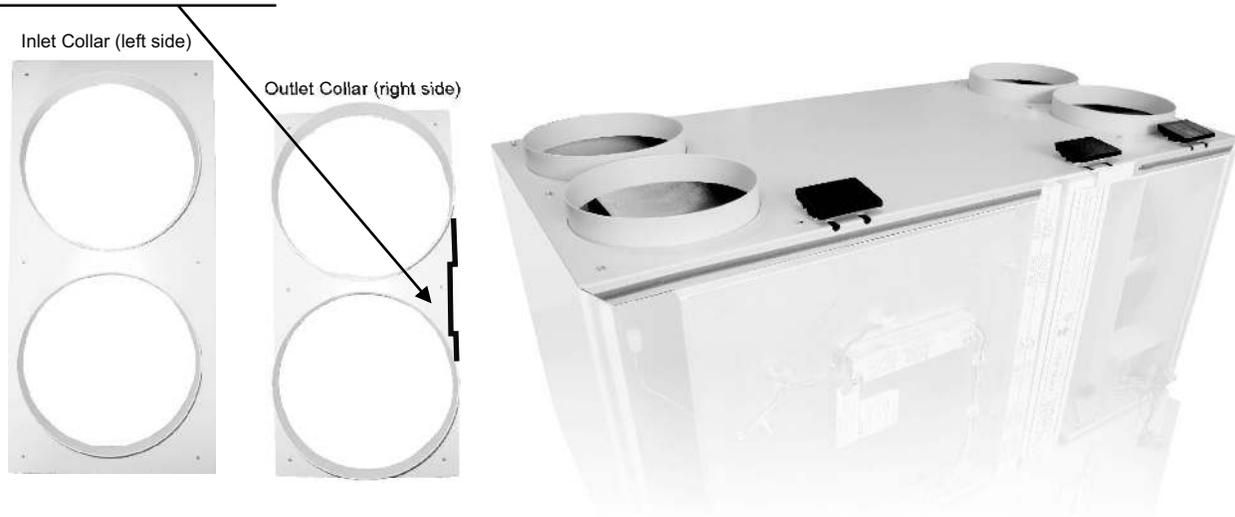
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STEP #1

Install Inlet / Outlet Collars (each collar are a pair of 2 x 8" round inlets and outlets)

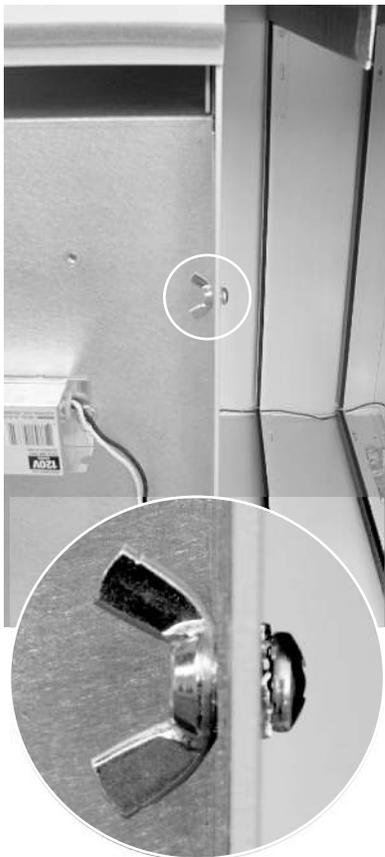
- Open the three (3) access doors and insert the two pairs of collars into the S1000FX-GX. Align the holes and screw down each pair of collars from the top of the S1000FX-GX with the included philips screws (6 screws per collar) Make special notice of the orientation of the notch on the right side collar. The notch (highlighted in black) should be pressed up against the right side of the S1000FX-GX.



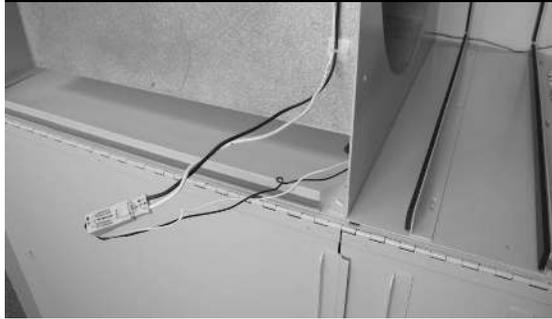
STEP #2

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.



Carefully pull the wire-set out to allow for enough "slack" as to slide the Reflecting Chamber out to allow for installation of the UV Lamp



Slide the Aluminum Reflecting Chamber out to allow easy access to the UV Lamp Clamp.



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



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



Insert the end-cap with foam gasket into the clamp assembly and tighten. Be careful not to over tighten as you do not want to break the end-cap.

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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 first door (blower compartment) and close the other two doors.



STEP #4

Operation

- The S1000FX-GX is now ready to be plugged into a 110V receptacle.
- The S1000FX-GX may be used in many diverse applications and orientations.
- 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 may become ineffective. The UV Lamp should be replaced after 17,000 operating hours.

BST120W5	Electronic ballast 120 volt for S1000FX for use in 120 volt unit
BST230W5	Electronic ballast 230 volt for S1000FX for use in 120 volt unit
LMPRGXJ160	T6 Dual Zone regular intensity 16. UV "J" lamp for S1000FX-GX
LMPRGJ160	Regular Intensity germicidal 16" UV "J" lamp for S1000FX-G
MSCSWC12	Speed control for S1000FX 120 volt (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"x20"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 120 volt for S1000FX. *must be ordered with MSCCAP4 Capacitor
MSCCAP4	Capacitor for S1000FX motor 120 volt
MSCMTR10	Motor assembly 230 volt for S1000FX *must be ordered with MSCCAP5 Capacitor
MSCCAP5	Capacitor for S1000FX motor 230 volt