

# SANUVOX

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## COMMERCIAL SYSTEMS

### GC S1000-G4 UV FILTER SYSTEM



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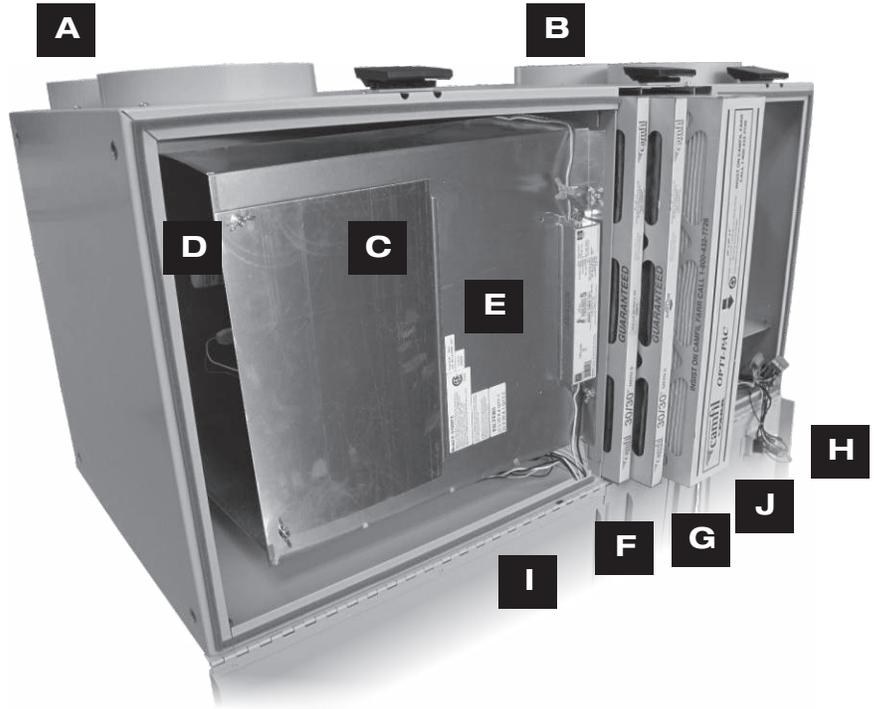
### WARNINGS

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.



- |    |                               |    |                            |
|----|-------------------------------|----|----------------------------|
| 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 15)      |
| C. | Aluminum Reflecting Chamber   | H. | Power 120 volt or 230 volt |
| D. | 4 x 31.5" UV 'J' Lamps        | I. | Doors                      |
| E. | 4 x ballasts                  | 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 GC S1000-G4 is a combination Ultraviolet - Filter Air Purification System. The GC S1000-G4 UV Germicidal process (UVC) destroys bio-chemical contaminants such as mold, viruses, bacteria, germs, chemicals and VOC's. The GC S1000-G4 is also equipped with two 1" pre-filters and a MERV 15 efficiency filter.

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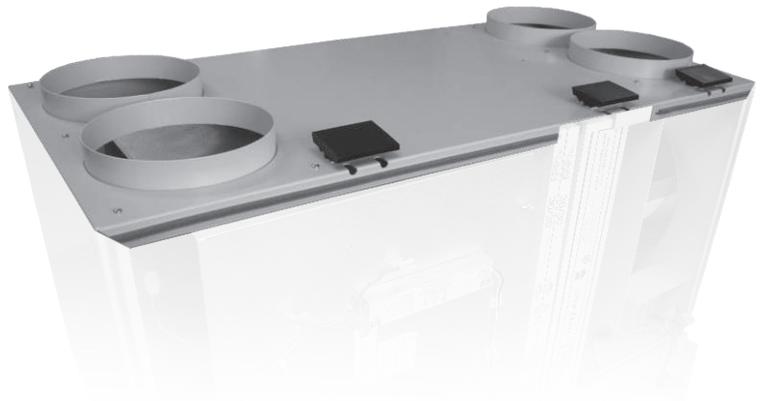
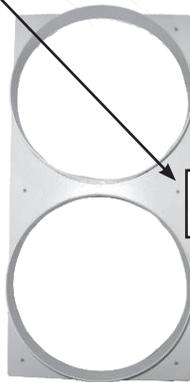
### STEP 1

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

Open the three (3) access doors and insert the two pairs of collars into the GC S1000-G4. Align the holes and screw down each pair of collars from the top of the GC S1000-G4 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 GC S1000-G4.

Inlet Collar (left side)

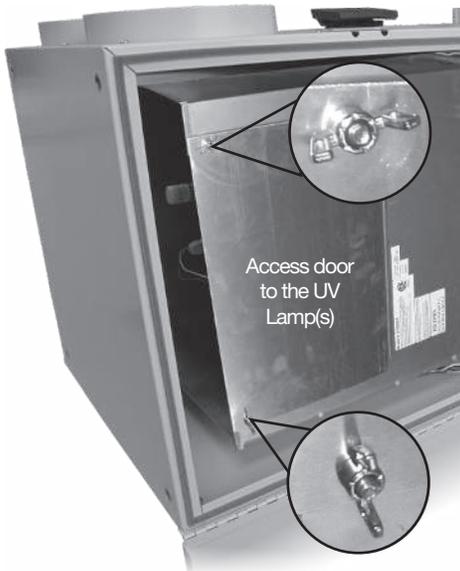
Outlet Collar (right side)



### 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.

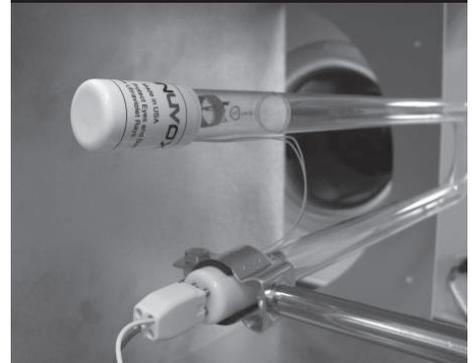


Adhere the included foam gasket (included in the Lamp box) to the porcelain end-cap with the 4 pins.



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).

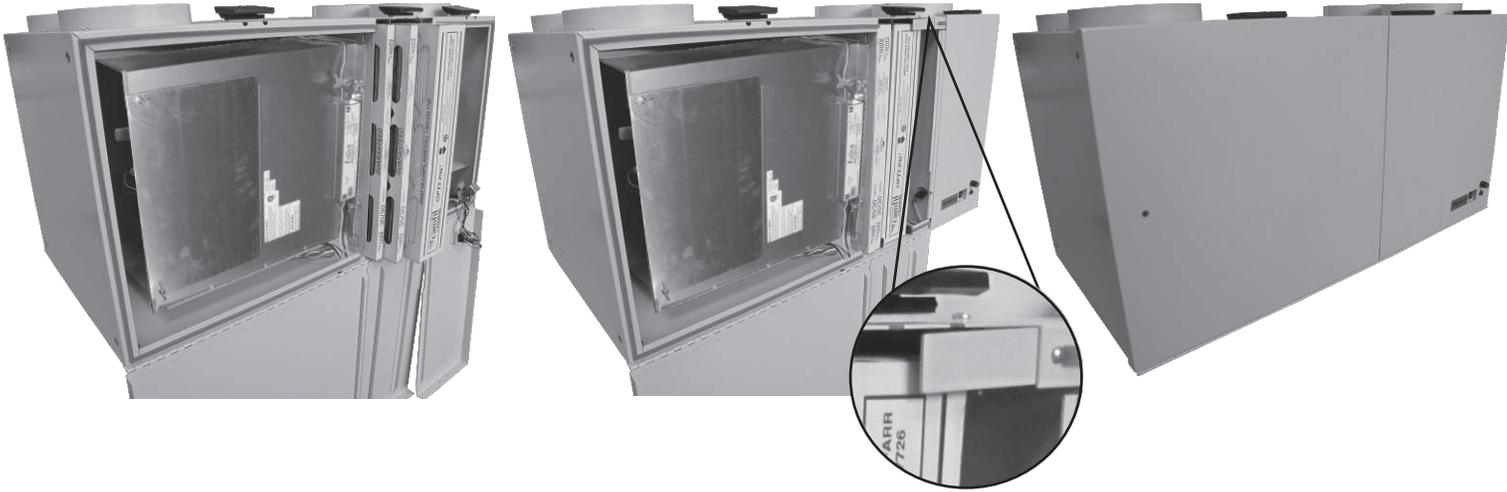
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### STEP 3

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



### STEP 4

#### Operation

The GC S1000-G4 is now ready to be plugged into a 110V outlet. The GC S1000-G4 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 lamps may "shine" for many years, the UV lamps do age at which point may become ineffective and should be replaced.

#### Parts

BST120W5	Electronic ballast 120 volt for S1000F x for use in 120 volt unit
BST230W5	Electronic ballast 230 volt for S1000F x for use in 120 volt unit
LMPHGX J160	T6 Dual Zone regular intensity 16. UV 'J' Lamps for S1000FX
LMPRGJ160	Regular Intensity germicidal 16" UV 'J' Lamps for S1000FX -G
MSCSWC12	Speed control for S1000F x 120 volt (optional)
MSCFTR12	20" x 20" x 4" HEPA 99,97% filter (optional)
MSCFTR1	20" x 20" x 4" 95% filter
MSCFTR	1" MERV 8 pre-filter
MSCFTR12-1	20" x 20" x 5" 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