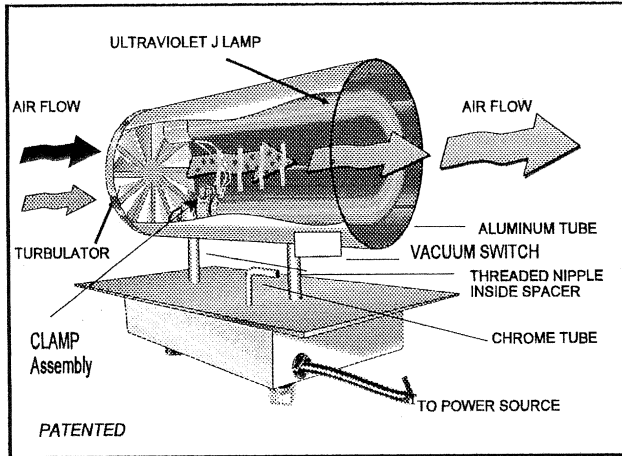


SANUVOX TECHNOLOGIES INC

MODEL R3500X INSTALLATION INSTRUCTIONS

It is important to follow the installation steps in order to ensure that your SANUVOX NEXT GENERATION NATURAL AIR PURIFIER™ FUNCTIONS CORRECTLY.

ASSEMBLY



Remove the Purifier from its protective packaging. Note that the ultraviolet J lamp is packaged in its own box in the Styrofoam. Please be extremely careful with this lamp as it is fragile. Use paper toweling or cloth when handling the lamp, so as not to get fingerprints on it. Fingerprints will inhibit the production of ultraviolet light.

1. Remove the metal plug from the side of the aluminum tube. Install the ultraviolet J lamp by inserting it from the end opposite the clamp, with the white ceramic ends facing the clamp.
2. Gently push the end of the lamp with the rubber around it (the end with the 4 male pins) through the clamp. Tighten the nut with a 1/4" nutdriver inserted through the hole in aluminum tube, so that the lamp does not move. Do not over tighten. Replace the metal plug.
3. Connect the female plug to the lamp connector. Note that this plug fits in one direction only. It may be necessary to turn the plug 90 degrees so that it will connect to the lamp.
4. Install the Turbulator (the round cap with the pie shaped cuts) and fasten with the 3 Phillips self-tapping machine screws.

FOR REMOTE OR BYPASS INSTALLATION PLEASE SEE BELOW

The Purifier is designed to be installed in the return air plenum.

If the purifier is installed on the supply (after the coil) side the following must be noted:

- a. The plastic tube that is attached to the pressure end of the vacuum switch must be removed and attached to the vacuum end of the switch. Otherwise, the switch will not sense pressure and the purifier will not start

PLENUM INSTALLATION

- I. Determine the location for the purifier. If a humidifier is used, the purifier should be installed before the humidifier.
- II. Cut a rectangle in the return plenum 6 inches wide, 11 inches long.
- III. THE PURIFIER IS INSTALLED WITH THE TURBULATOR FACING THE AIR FLOW (check the airflow direction arrow on the aluminum tube). The air must go through the Turbulator first.
- IV. Insert the purifier tube in the sheet metal duct, drill the holes for a #8 screw, screw in the #8 sheet metal screws to secure the purifier.
- V. Plug the line cord into a 120 volt power source. Note: as the purifier has its own fuse, it is not necessary to have a separate power source.
- VI. Start the HVAC fan. The purifier should start, i.e. The Red "Purifier On" light should come on, and within 20 to 30 seconds you will see the glow from the ultraviolet lamp through the ultraviolet indicator on the front of the purifier. If this does not occur, press the "Test Button". If the "Purifier On" light comes on and while keeping the button depressed (for 20 to 30 seconds), the ultraviolet lamp comes on, then there is lower than normal vacuum in the system. CHECK THE AIR FILTER & REPLACE IF NECESSARY. Should the purifier still not start with a new or clean filter, the HVAC system must be checked for leaks or restrictions that do not allow for sufficient vacuum.
- VII. If upon depressing the "Test Button", the "Purifier On" light does not light, or you do not see the glow through the ultraviolet indicator, there may be a defect with the purifier. Contact your dealer.

If it is not possible to increase the vacuum, then please see "Variable Speed Blower" section, or the purifier may be hardwired into the HVAC system by qualified personnel:

REMOTE INSTALLATION:

The control panel and the aluminum reflector tube may be disassembled by qualified personnel so that the aluminum reflector tube can be located inside the return duct or inside the air handler using the Sanuvox Remote Kit. Part Number: REMKIT..

VARIABLE SPEED BLOWER

The following installation is to be used if the Air Handler uses a variable speed blower:

1. Drill a hole in the plenum next to the side of the aluminum tube that the vacuum switch is attached to.
2. Insert one end of the plastic tubing that is included with the purifier from outside the plenum. Push the plastic tube on to the exposed nipple on the vacuum switch.
3. Secure the purifier to the plenum.
4. Plug the purifier into a 120 volt source.

5. Take the other end of the plastic tubing and insert it into the plenum on the supply side of the filter. Drill a hole in the sheet metal to accomplish this.
6. When the plastic tube is inserted into the plenum, the purifier should then start. If after doing this, the purifier does not start, or flickers on low fan speed, then it will have to be hardwired into the system.

HARDWIRING

- A. Disconnect the purifier from the power source.
- B. By-pass the vacuum switch. The vacuum switch is located on the outside of the aluminum tube. Disconnect the 2 wires from the switch. Cut off the female disconnects. Open the cover of the purifier. Pull the two black wires back through the 90 degree elbow. Splice and join the two wires together with a wire nut. Ensure that there are no wires left exposed or loose.
- C. Cut the molded plug from the line cord and wire into the HVAC control.
- D. The push button switch will have no effect.

NOTES:

- 1 The aluminum reflector tube must be positioned so that the air flows in the direction of the arrow on the reflector tube with the turbulator at the beginning of the process.
- 2 Due to the properties of ultraviolet light, the aluminum reflector tube must be installed so that the ultraviolet is not directed on any plastic parts. If necessary, cover these parts with aluminum foil.

WARRANTY:

Your SANUVOX NEXT GENERATION NATURAL AIR PURIFIER™ is warranted against manufacturing defects for a period of three years from the date of installation. Warranty claims are to be made through your dealer.

Should you require any assistance or have any questions regarding the installation, please call your DEALER or contact Sanuvox Technologies Inc. at the numbers listed below.

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5757 Cavendish Blvd. Suite 411
Montreal QC. Canada H4W 2W8
Tel. 514-382-5823 1-888-SANUVOX
Fax. 514-382-6475
E-mail: info@sanuvox.com