

Dear Valued Customer,

Thank you and congratulations on making a smart decision to invest in the RPS UV System. You have joined an elite group of clean air enthusiasts who demand only the best when it comes to their health.

In order to fully enjoy your system, please read this owner's manual thoroughly before use, and please retain for future reference.

You have purchased a very effective filtration system incorporating the power of two highly regarded contaminant fighting technologies - ultraviolet light and PCO (photocatalytic oxidation).

We are proud of our product and we trust that our devotion to the best quality in air filtration will provide you with years and years of clean, pure, fresh air.

Thank you,

RPS

HOW THE RPS UV SYSTEM WORKS

Without high-powered fans or thick filters, the RPS UV combines the power of two highly regarded contaminant fighting technologies - ultraviolet light and PCO (photocatalytic oxidation). The RPS UV utilizes two, germicidal ultraviolet lamps that produce a total of 2400/4800 microwatts of contaminant killing power that destroys airborne bacteria, mold, fungi, viruses, volatile organic compounds (VOC's) & odors.

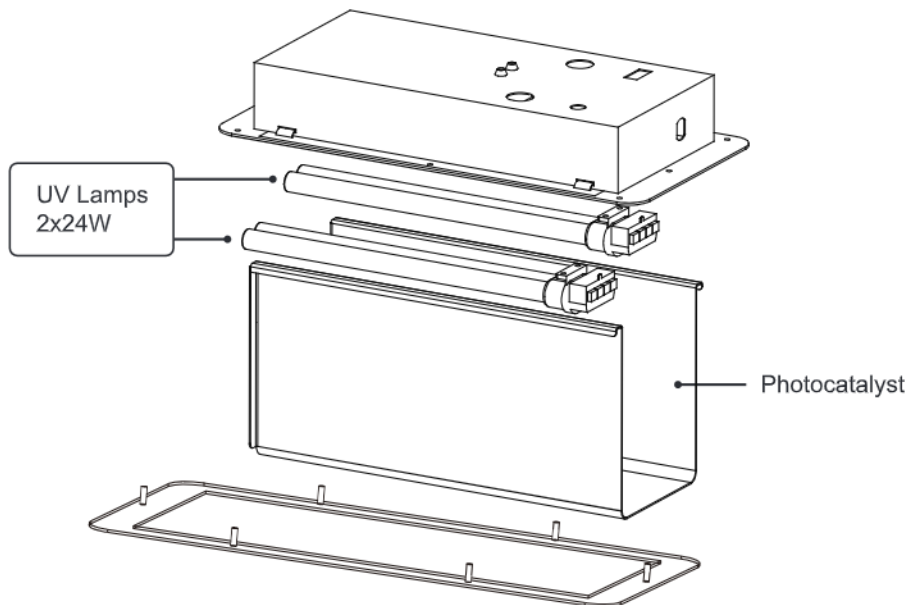
The powerful UV light is reflected throughout the chamber coming in contact with the chambers photo catalytic paint. This powerful combination quickly and efficiently oxidizes household containments.

FEATURES

- Duct-mounted – vertical or horizontal mount
- Easy to install
- Simple to maintain
- 2 x 24W UV Germicidal Lamps
- Photo catalytic coating
- Refraction Plate (Distributes the light more intensely)
- Ozone-free
- Lifetime warranty

BENEFITS

- Whole-house air purification
- Neutralizes odors & toxic VOCs
- Oxidizes mold, bacteria, viruses, allergens
- Improves indoor whole home air quality
- Inhibits mold growth in HVAC system



OPERATIONAL DISPLAY PANEL

The RPS UV display panel reports with large bright LED lights the operation status of all the important functions of the unit.

OPERATING – indicates the unit is working.



HOW TO INSTALL THE RPS CENTRAL PHOTO CATALYST UV

TOOLS/SUPPLIES REQUIRED FOR INSTALLATION

Installation into Metal Duct or Plenum
Metal Cutting Snips
Electric Drill
Sheet Metal Screws

RPS Central Photo Catalyst UV System
2 Ultraviolet Lamps
Mounting Template
Operational Manual

WARNING

Read and follow the instructions carefully. All installation must follow electrical codes as set out by your province. Improper installation may damage the filtration system. Before beginning any installation be certain the main electrical switch is in the off position. Failure to do this may result in electrical shock or injury.

CAUTION BEFORE INSTALLING

Read and follow the instructions carefully. All installation must follow electrical codes as set out by your province. Improper installation may damage the filtration system. Before beginning any installation be certain the main electrical switch is in the off position and power plug is detached from the power socket. Failure to do this may result in electrical shock or injury.

Electrical Shock – Your RPS system has been installed by your service company and has been wired or plugged into 120 VAC electrical power (we suggest you contact your service company for all service work).

Ultraviolet Light is Harmful – Never look at a lit ultraviolet lamp without UV protective glasses and skin coverings.

Unplug the lamp before servicing.

Ultraviolet Lamp May Cause Injury – Ultraviolet lamps are made of glass and therefore somewhat fragile. Safety glasses and gloves should be worn when handling a UV lamp. In addition, UV lamps can be very hot and cause skin burns. Allow lamp to cool before handling.

INSTRUCTIONS

The RPS Central Photo Catalyst UV unit is designed for air disinfection and installs into the air handling system or ductwork. Select a mounting location that offers sufficient space for the mounting plate 40.5 cm x 20.0 cm and enough internal space 14.5 cm H x 17.0 cm D. Installation also requires access to 120 VAC electrical power.

- Do not install where UV lamp is visible
- Do not install in outdoor applications
- Do not expose wiring or plastic to UV light
- Do not install beneath a humidifier
- If installed near an air filter, check with the filter manufacturer for UV properties & safety.

The unit should be installed perpendicular to the airflow so that air passes the UV lamps first. While the unit can be installed in either the return or supply air side, it may be more effective in removing airborne contaminants if installed on the supply side.

Step 1: Once a mounting location is selected, use the included metal mounting template to mark the location of the mounting plate screw holes and uv chamber insertion hole (center this hole in the duct if possible).

Step 2: Drill screw holes and cut insertion hole to fit the uv chamber (make sure surfaces are flat and burr free).

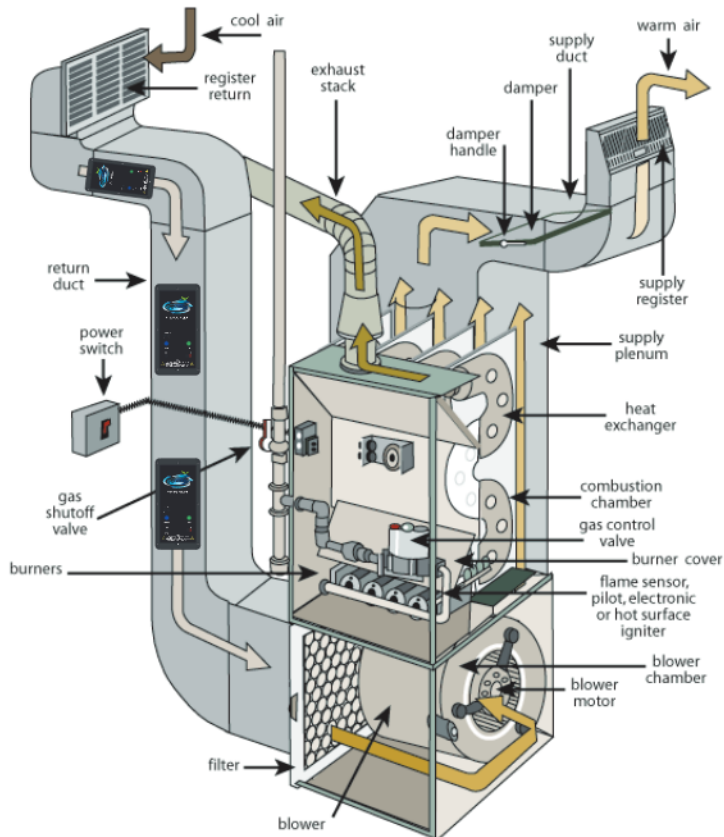
Step 3: Install the metal mounting plate with the thin side up using the screws provided.

Step 4: Mount the main unit onto the mounting plate securing with nuts provided.

WARNING

To reduce the risk of electrical shock, fire or injury:

- Use only as described in this manual.
- Use only a 120-volt outlet with grounding wire receptacle.
- Do not use the UV LAMP if the power cord or plug is damaged or the connection to the wall outlet is loose.
- When removing the power plug, always hold the plug and never pull by the cord. Do not handle plug or appliance with wet hands. Electrical shock or fire from short circuit may occur.
- Remove the power plug from the wall outlet before cleaning the unit and when not using the unit. Turn off switch before unplugging.
- If the power cord is damaged, it must be replaced by the authorized distributor or similarly qualified person.
- Do not use the unit in an enclosed space where oxygen, flammable, explosive or toxic vapors are given off by oil base paint, paint thinner, some mothproofing substances, or in an area where flammable dust is present.
- To reduce the risk of electric shock, this equipment has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type power outlet. If the plug does not fit into the outlet, contact qualified personnel to install the proper outlet. Do not alter the plug in any way.



SPECIFICATIONS

Dimensions

- Mounting Plate: 40.5 cm x 20.0 cm
- UV Lamp: 31.7 cm x 3.8 cm

Weight

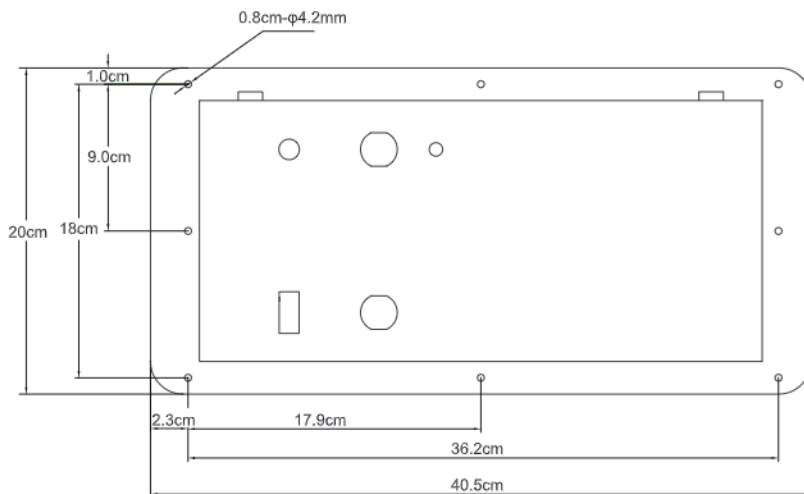
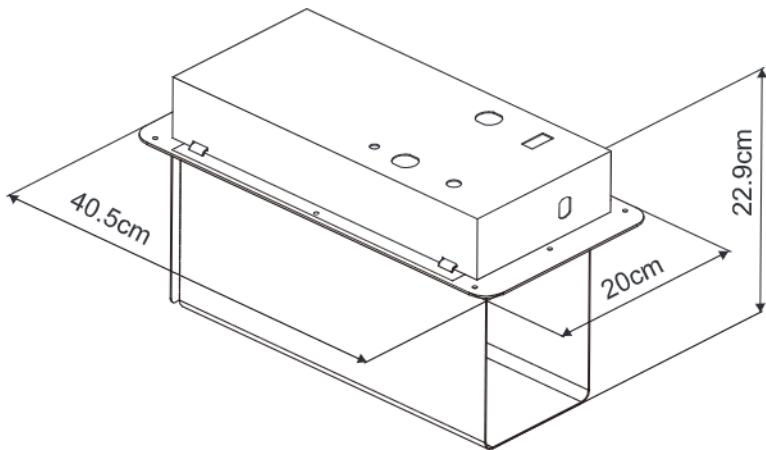
- Complete Unit: 11 lbs.

Electrical

- 120V-60Hz
- Powercord - 9 ft., 3 prong, rated to 240V
- UL Listed Electronic Ballast

UV Lamp

- 24 watt



CARE AND MAINTENANCE

Steps for Replacing the Ultraviolet Lamps:

1. READ THE WARNINGS ABOVE.
2. If the unit is plugged into an AC outlet, simply unplug it before servicing.
3. Remove the unit from the duct and slide the photo catalytic shroud upwards to remove.
4. The unit contains 2 UV lamps. Gently lift each UV Lamp upwards out of the ballast. The lamps are held snug so a little force may be necessary to pull them out.
5. Do not touch the new lamps with your bare hands.
6. Attach lamps into each socket, make sure they are completely seated firmly into each socket. Secure each lamp in the guide clip.

TROUBLESHOOTING

Power On light is not lit	Ensure the unit is receiving power (unit is wired correctly or plugged into an active AC outlet)
	If wired into the HVAC control panel, HVAC unit must be running
	Ensure Display Panel door is closed completely
UV Lamp On light is not lit	Check that the lamp socket is firmly attached to the lamp base pins
	Ensure the wires to the lamp socket have not become dislodged
	Ensure the UV lamp is operational (open the Display Panel door; pull the UV lamp out slightly so that the lamp glass can be seen; if UV lamp does not light, replace lamp – UV resistant safety glasses should be worn for this test)

WARRANTY

The UV System excluding the UV Lamp are warranted when installed in accordance with our specifications to be free from defects in material and workmanship under normal use within the operating specifications for 10 Years to the original purchaser or, in the absence of a Bill of Sale verifying said date, from the date indicated on the serial plate affixed to the unit. Service must be done in a timely manner as described in this manual by an authorized dealer.

LIFETIME SERVICE WARRANTY

The distributor hereby agrees to entirely rebuild the UV system any time after the expiration of the TEN YEAR guarantee referred to above and as often as the original purchaser may require, and providing it is still in possession of the original owner, as set forth below:

1. The distributor in rebuilding the UV system will make every effort to keep the cost to the customer for this service as low as possible and in no case charge the customer more than \$149.00 for this service.
2. The price of \$149.00 (maximum of the rebuilding service) shall include all labour and cost of parts necessary to put the system in A-1 condition and no further charges will be made for this service.
3. The distributor in rebuilding the system will make it equivalent in mechanical efficiency to a new system of the same model.
4. A TEN YEAR Rebuild Guarantee will be issued to the customer each time such rebuilding service is rendered provided that the cost of said rebuilding service has been paid for by the customer.
5. In order to qualify for the benefits under this Limited Lifetime Service Warranty, all repairs and service work must be performed by the manufacturer or one of its authorized Distributors. The rebuilding benefits under this Lifetime Service Warranty do not apply if the unit is damaged by accident or abuse or if the unit has been tampered with in any way or if the unit has been operated contrary to the manufacturer's instructions.

LIFETIME TRADE-IN WARRANTY & FIRE PROTECTION

Should you at any time decide to trade this model for a new model this warranty warrants that you shall receive 50% off the current retail price of the new model as a trade – in allowance (No Cash Value).

If at any time the system is destroyed by a residential fire, it will be replaced upon verification from the fire department.

In order to obtain service under this warranty you must notify the installing contractor or dealer, giving the nature of the problem and the model and serial number of the unit. In case of a defect, malfunction, or failure, we will repair or replace, at our option, the parts or the unit.

We reserve the right to revise or modify products and or specifications without notice. The contents of this manual are subject to change without notice.

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