

# Warnings & Installation Instructions for 120V UV Lamp for Ductwork of A/C HVAC

EPA Est. No. 97544-CHN-1

Congratulations on your purchase! Your 120V UV Lamp for Ductwork A/C HVAC systems (up to 5 tons).

## PLEASE READ THESE WARNINGS CAREFULLY PRIOR TO INSTALLATION:

**WARNING:** Failure to read below could damage your equipment or cause harm to yourself or others.

(1) Never expose eyes or skin to the UVC light from any source. Looking directly at UVC light may cause eye damage or even blindness. Never operate the UV lamp outside of the ventilation ducts. Only install in a closed duct system, not at any vented openings.

(2) Never touch the UV bulb without gloves. The UV bulb contains mercury vapor. Never touch the bulb's glass if broken. Please inspect carefully. If the bulb is damaged, cracked, or broken, do not touch it.

(3) In case of accidental exposure to broken glass from a UV bulb, wash hands and any other skin area that came in contact with soap & water. Remove affected clothing immediately. If skin is cut or scraped seek medical attention immediately.

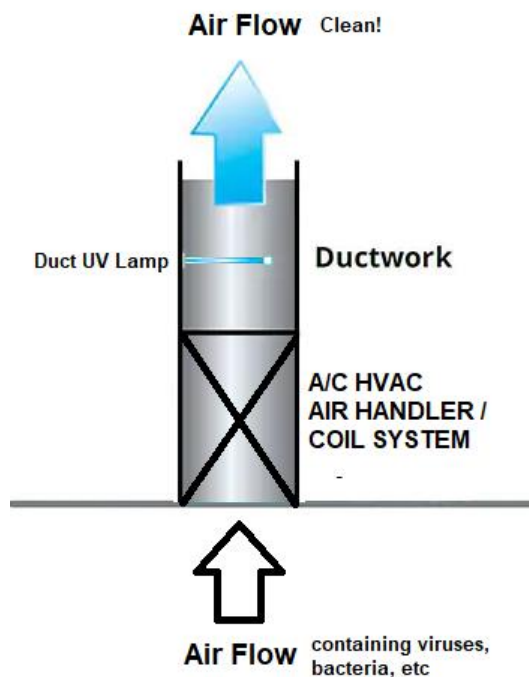
(4) Before installing or servicing your UV lamp, turn off the main power switch or the main breaker on your unit. Electrical shock can cause injury or death. Allow at least 10 minutes before replacing bulb.

## INSTALLATION:

Please read all warnings above before starting the installation.

Tools need (not included): A drill or cutting device that can open a 3/4" diameter hole onto your existing ductwork system; A marker or pencil; and a pair of scissors to cut the metal tape (included).

Follow the steps in the order as described below:



1. First, power OFF your existing A/C HVAC system before installation of your lamp.

2. Choose a suitable and easily accessible location anywhere in your ductwork system to install your lamp. **TIP:** We recommend the lamp to be installed in close proximity to the Air Handler / Coil system of your A/C to make sure it exposes the UV light to all the returned air on your A/C HVAC system.

3. Position the stainless steel plate in the desired location attached to your ductwork (see photo below). Then use a marker to point the center of the hole on the plate. Next, use a drill, knife, or similar cutting device (not provided) to open a small hole (approx. 3/4" or 10mm in diameter) into your ductwork system.

Before drilling hole in ductwork:



After drilling hole in ductwork:





4. Next, mount the bulb in the stainless steel plate. You will need to remove the 2 plastic thumb nuts from the screws on the plate, and carefully insert the bulb through the hole of the plate (avoid touching the plate with the bulb's glass). The 2 screws on the plate will hold the bulb's base by the two prongs (see left photo). Then screw the 2 plastic thumb nuts to secure bulb to the plate.

5. Next, carefully insert the bulb through the hole you opened in your ductwork system. Again, avoid touching the bulb's glass with the ductwork edges to prevent damage to the bulb.

**Optional.** In your package we included a clear screw in case you prefer to monitor the bulb inside the ductwork. If so, you need to open another small hole in your ductwork (approx. 3/8" or 5mm in diameter). TIP: Line up the small hole with one of the 4 holes in the corners of the plate, then insert the clear screw into the plate and make sure there is clearance (no obstruction) into the ductwork. Now, when the bulb turns ON, you should be able to see through the clear screw the light that is radiated by the bulb inside your ductwork.

**Warning:** Avoid looking at this light without proper UV protection glasses.

6. Once the lamp's plate is fully resting on the ductwork, use the metal tape provided (or similar) to secure the plate onto the ductwork system.

7. Plug in the 4-pin terminal of the ballast/power supply on the bulb. Then plug the power plug into a 120V outlet or power source. The LED in the ballast will turn green indicating that the bulb is ON.

That's it! You are done!

#### Installation Notes:

- Only qualified technicians should perform the installation.
- If the UV lamp is installed near an air filter, check with the filter manufacturer for UV-C resistance properties.
- If the desired installation location of your UV lamp is intended to irradiate an air filter (e.g. to neutralize the microbiological build-up on the air filter) take the necessary precautions to ensure that the UV bulb is placed on the return side of the air filter.
- UV bulbs should be replaced yearly (assuming continuous power source is provided). Please make a calendar note to ensure that the bulb is working properly every 3 to 6 months. **Note:** Applying non-continuous power to your UV Lamp will shorten the bulb's lifespan (e.g. connecting it to a fan or blower that turns on and off).



#### Having trouble or need help?

Please visit <https://www.hqtelecom.com> or call 1-786-221-5997 to receive complimentary technical support and/or replacement information. Our business hours are from 11am – 7pm EST, Monday – Friday

#### PLEASE DO NOT RETURN THIS ITEM BEFORE CONTACTING US FIRST!

If you are satisfied with your purchase, Please take a moment to post a feedback or review. We value your feedback, and others may be able to benefit from your comments and/or experience.



Thank you for your business!