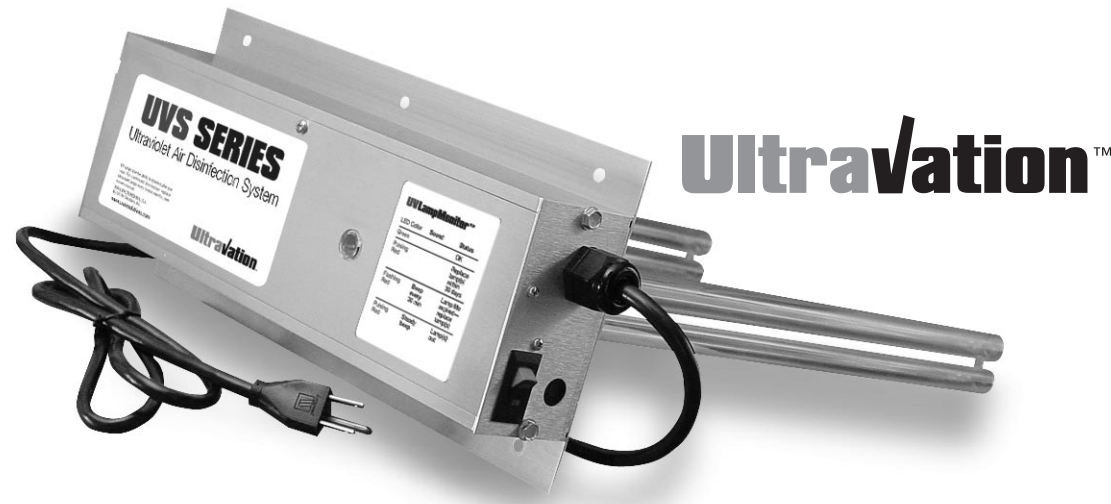


# UVE-Series™

## Ultraviolet Air Disinfection System Technical Information



### UVE-Series Features and Benefits—Quick Reference

- Disinfects the air that circulates through an HVAC system** — **Helps people stay healthy by sterilizing microbes** Kills airborne diseases from the common cold virus to more serious bacterial threats like Legionella.
- Provides relief for allergy sufferers** — **Highly effective in reducing mold and fungi in indoor air—mold is one of the five most common allergens.**
- Disinfects HVAC components such as AC coils** — **Improves HVAC efficiency** by keeping the system free of mold and mildew. Helps optimize HVAC heat exchange, minimizing operating costs.
- ESP™ Electronic-Smart Power Supply** — **Auto-voltage sensing**—connects directly to 120 - 277VAC without switches or transformers. Compatible with all systems and simplifies installation.
- Philips® Compact-Twin UV Lamps** — **Compact “U” shape** creates more UV output than standard lamps. They retain more output intensity over lamp life and are environmentally friendly because they contain far less mercury than standard UV lamp types.
- Easy to install and service** — **Installs in about 30 minutes.** Lamps change easily. **Slide out sub-chassis** for quick, easy serviceability.
- 10 Year Advance Replacement Warranty** — **Replacement sub-chassis shipped immediately** for all service problems, with return authorization enclosed.

## The UVE-Series™

### Technical specifications

Model	Number of lamps	Lamp Length	Use in areas up to (sq. ft.)	Power consumption	Dimensions	Shipping weight
UVE-1000	1	9"	1000	18 watts	L:11" W:6" H:2-1/4"	4 LBS
UVE-1036	1	16"	1500	36 watts	L:11" W:6" H:2-1/4"	4 LBS
UVE-2000	2	9"	2000	36 watts	L:13.25" W:6" H:2-1/4"	5 LBS
UVE-2036	2	16"	3300	72 watts	L:13.25" W:6" H:2-1/4"	5 LBS

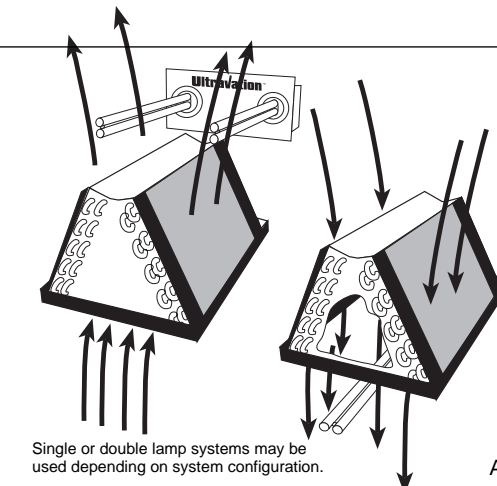
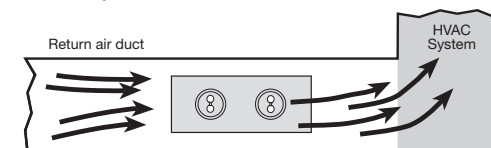
All units include pre-drilled holes and mounting hardware. The UVE-Series is non ozone producing.



### Installation options

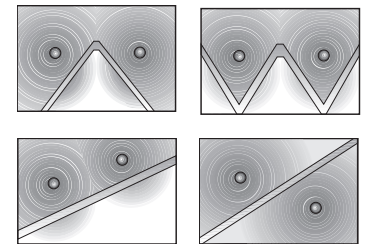
#### Configurations

The UV system can be placed at the coil, or at the system return. Placement at the coil allows direct exposure for optimum mold and fungi reduction. Placement at the return optimizes UV exposure time and intensity. Care should be taken to protect HVAC component parts that may be UV sensitive.



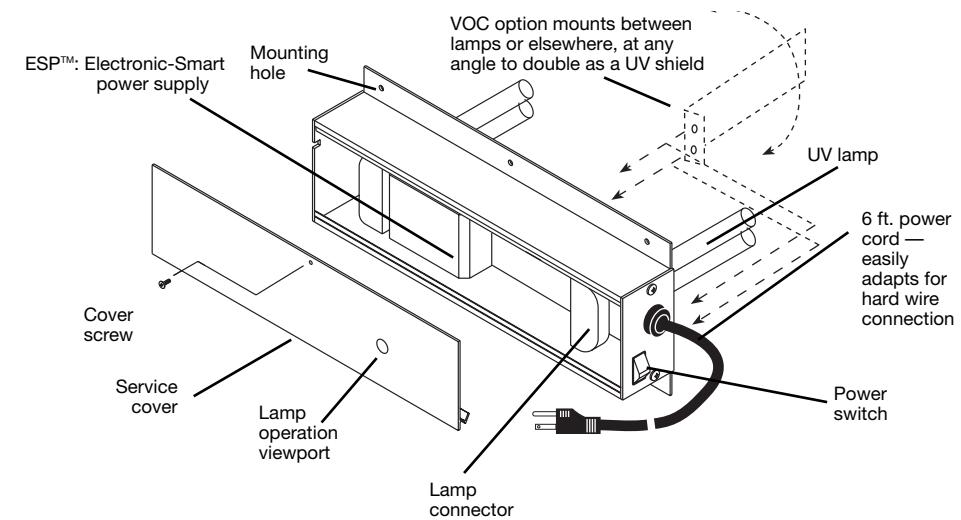
Single or double lamp systems may be used depending on system configuration.

#### Coil Types The UVE Series works with all common coil types

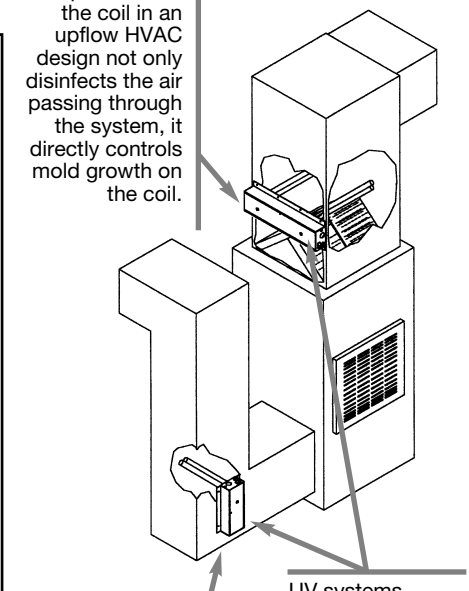


A UV system placed over the coil in an upflow HVAC design not only disinfects the air passing through the system, it directly controls mold growth on the coil.

### Typical layout



Lamp measurements were obtained in accordance with the National Primary and Secondary Ambient Air Quality Standards Section 40 CFR part 50.



A UV system placed on the return will disinfect the air before microorganisms have the opportunity to colonize in the HVAC system.

UV systems placed in both locations keeps the entire system clear and greatly improves the amount of disinfection in a single pass.

