



## CERV-UV

### Overview

CERV-UV is the first and only UV-C light system designed specifically for installation into an ERV ventilation system. CERV-UV delivers 18 Watts of UV-C power to efficiently destroy microbes in the air as it circulates through a CERV smart ventilation system. These microbes contribute to allergies, poor IAQ, and airborne disease transmission, but also can impede system efficiency and clog condensate lines.

The UV lamp is a high-output, hot cathode quad design that produces broadband 250-260nm UV-C without ozone generation.

### Available UV Kits/Parts

Two UV kit options are available. The internal mount kit is available for the CERV2 only. This kit allows for the UV Lamp to be installed internally inside the CERV2, which provides UV sanitizing for both the air stream as well as heat exchanger surfaces and condensate. This option can be factory installed when purchased with a CERV2 order or can be field installed if purchased separately. The UV lamp can either be powered and controlled from the CERV2's internal 24VAC supply and output relay or externally via an included 120VAC to 24VAC power supply.

The external mount CERV-UV kit is for use with either the 1<sup>st</sup> Generation CERV or the CERV2. For this configuration the UV lamp is mounted in the CERV's supply duct outlet going to the house. The air stream is sanitized with this setup, but does not provide sanitation of heat exchanger surfaces or condensate since the light is external to the CERV system. Because UV can break down certain materials one must allow for 3' of metal duct on either side of the UV light. Aluminum duct has better reflectivity, so it is recommended as a duct material over galvanized for better UV effectiveness. The external UV kit the lamp is powered by the included 120VAC to 24VAC power supply.

Item	P/N
CERV2 internal mounted UV kit	CERV-UV-int
CERV/2 external mounted UV kit	CERV-UV-ext
UV Replacement Lamp	CERV-UV-lamp

### Specifications

Light Source	18 Watts UV-C
Wavelength	250-260nm
Ozone production	None
Bulb Life	8,700 hrs / 1 year

Warranty	1 year
Agency Listing and Compliance	UL and CUL listed components