

Very High Output UVC for Indoor Air Handlers

Applications

The UVK [X] for air handlers includes proven technology designed for indoor air handlers (coils up to 84"), fan coil units and unit ventilator systems. Fan coil systems are ideal for multi-room buildings found in residential, commercial and industrial applications. Unit ventilator systems are found mainly in classrooms, hotels, apartments and condominiums. Configurations include horizontal or vertical; floor, wall, ceiling, or suspended; surface, semi-recessed, recessed, or concealed; vertical stack concealed units.

The UVK [X] delivers energy savings on retrofit units maintains factory design efficiency on new units, and improved IAQ on all applications. Lamps are installed perpendicular to the cooling coil delivering high output UVC energy into the coil to eliminate biofilm and when designed properly, UV-C can reduce or eliminate airborne microbial contaminants. The slim power supply offers installation flexibility in tight housing spaces.

The UVK [X] for Air Handlers includes a universal 120-277V power supply with wires and connectors and a mounting system. The Kit offers installation flexibility with six mounting options. The mounting options include: Spring clips mounting kit. The UVC Kit for Air Handlers is available in seven lamp lengths: 16", 20", 24", 30", 36", 42", 61" .



Benefits

- Reduces HVAC energy costs by restoring heat transfer and net
- Uses germicidal UVC irradiation proven as an effective inactivation
- Eliminates time-consuming, costly cleaning programs, and the use of harmful chemicals and disinfectants by continuously cleaning coils and drain pan
- Offers lowest life-cycle cost of any UVC product.
- ROI is often less than one year
- Produces no ozone or other secondary contaminants
- Installs quickly, easily and safely
- The widest range of mounting options in the industry
- UV-C improves Indoor Air Quality (IAQ)



The UVK [X] is factory assembled and consists of a power supply, M12 power supply/cable connection, IP67 lamp connection, C-Clips and a very high output lamp.

POWER SUPPLY is a waterproof, Type 1, outdoor, high-power factor, electronic rapid-start type with overload and end-of-lamp-life circuit protection that maximizes lamp radiance, life, and system reliability at temperatures of 33°F to 170°F. Input: 120-277V, 50/60 Hz, with a sound rating of A. It has output wires with an M12 connector. The power supply can ensure a minimum of 9000 hours of lamp life, with 85% of its initial output at the end of the lamp's useful life. The power supply is protected against "end of lamp life" conditions.

IP67 LAMP PLUG is UL/cUL listed, 4-pin Single-Ended (SE) type capable of accommodating a 4 pin single-ended lamp. The IP67 Lamp Plug is constructed of UV resistant materials and designed to connect the lamp to the Lamp Plug creating a water-tight connection to protect against electrical shock, moisture and separation. It includes a four (4) foot cable with an M12 connector.

WIRING CABLES Wiring Cables extension options of 5', 10' and 20' lengths and include M12 male and female connectors. Cables can be combined to be of sufficient length to facilitate lamp connection to a remotely located power supply. The cable shall be capable of carrying the striking and operational voltage required to properly energize and maintain the UV-C Lamp.

MOUNTING Lamps are secured using two C-Clips secured by self-tapping screws.

LAMPS are non-proprietary, single ended, very high output, hot cathode, T5, 4 pin, base types that produce broadband UV-C between 254 nm and produce the specified output at any airflow velocity and temperatures of 33°F to 170°F. They are sleeved with EncapsuLamp™ (FEP) for protection in case of accidental breakage and are non-ozone producing types. The minimum useful lamp life is 9,000 hours, with no less than 85% of original output, depending on conditions.

UVK [X] UVC KIT FOR AIR HANDLERS

P/N	Product Description
10000180-3	UVK [X] Includes Power Supply 120-277V, GTS IP67 Lamp Connector and Two Spring Clips

UVK - ACCESSORIES AND REPLACEMENT PARTS

P/N	Product Description
90000812	Spring Clip Kit W/Speed Nut
50000135-05	M12 Extension Cable - 5 Ft
50000135-10	M12 Extension Cable - 10 Ft
50000135-20	M12 Extension Cable - 20 Ft

UVK [X] UVC KIT NEW OR REPLACEMENT VERY HIGH OUTPUT (VO) - MULTIPACKS AVAILABLE

P/N	Product Description
21000101	GTS 16 VO - Single Ended EncapsuLamp™ - Single Pack Includes ONE Each
21000201	GTS 20 VO - Single Ended EncapsuLamp™ - Single Pack Includes ONE Each
21000301	GTS 24 VO - Single Ended EncapsuLamp™ - Single Pack Includes ONE Each
21000401	GTS 30 VO - Single Ended EncapsuLamp™ - Single Pack Includes ONE Each
21000501	GTS 36 VO - Single Ended EncapsuLamp™ - Single Pack Includes ONE Each
21000601	GTS 42 VO - Single Ended EncapsuLamp™ - Single Pack Includes ONE Each
21000801	GTS 61 VO - Single Ended EncapsuLamp™ - Single Pack Includes ONE Each

Order Lamp(s) Separately



The health aspects associated with the use of this product and its ability to aid in the disinfection of environment air have not been investigated by UL. Air duct mounted accessory with respect to electric shock, fire and casualty hazards only.

Represented by:

Specifications subject to change without notice. UV Resources, LLC Rev. A