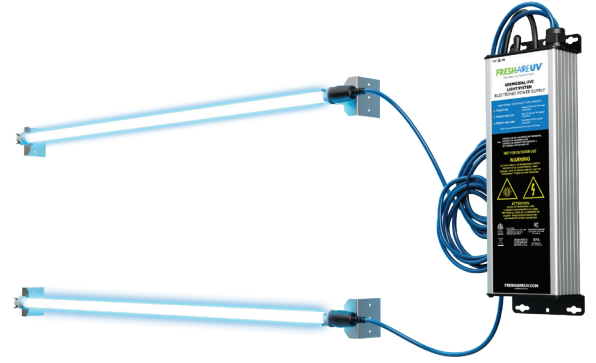## UVC Core System

The UVC Core System includes the essentials for HVAC coil disinfection. It features high quality water-resistant UV-C lamps with convenient "L" mounting brackets and a heavy duty multi-voltage water-resistant 120-277 VAC power supply. Choose from a full range of lamp models & sizes, 1 or 2 year effective life, normal or high output for surface/air treatment or intensive air treatment.
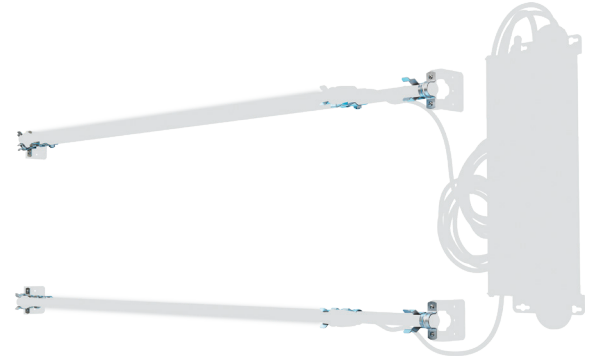
Part TUVC-xx

TRS Mounting Kit

The TRS Mounting Kit uses EMT conduit supports (not included) to add strength and convenience to the UVC Core System. The TRS Kit includes: Lamp Clip/Conduit Clamps, ¹⁄₂" Pipe Couplings, ¹⁄₂" Pipe Straps.

Part TUVC-TRS-S (single)
TUVC-TRS-D (dual)

TRS-X Mounting Kit

The TRS-X Mounting Kit uses EMT conduit supports (included) to add strength and convenience to the UVC Core System. The TRS-X Kit includes: ¹⁄₂" EMT Conduit (40"), Lamp Clip/Conduit Clamps, ¹⁄₂" Pipe Couplings, ¹⁄₂" Pipe Straps, 60 lb. and 25 lb. Mounting Magnets, 12" Standoffs.
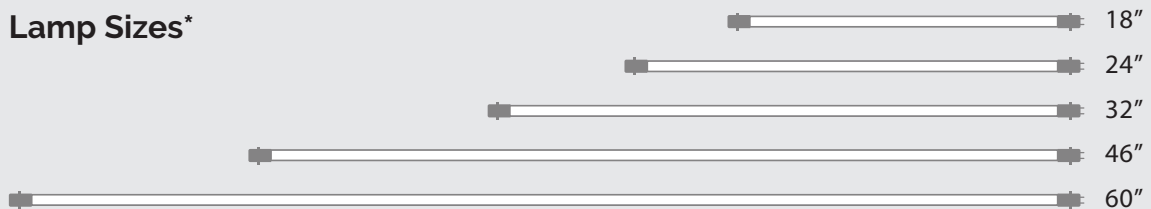
Part TUVC-TRSX-S (single)
TUVC-TRSX-D (dual)

APCO® Rack Kit

Add the APCO Rack Kit to the Fresh-Aire UV Commercial Core System to neutralize odors and VOCs in the airstream. This Kit features the same carbon catalyst cells as the award-winning residential APCO® family of air treatment systems. Produces no harmful ozone.

Part TUVC-TUVC-TRSX-S (single)
TUVC-TUVC-TRSX-D (dual)

Lamp Sizes*

18"
24"
32"
46"
60"

Lamps are available in standard or high output. *Not all lamps fit all models.

Airborne Duct System (ADS)

Airborne germicidal disinfection is ideal for hospitals and similar applications. ADS is installed in HVAC ducts to maximize exposure time with the air and features high-output lamps for maximum airborne kill. Choose grid or radial configuration. Uses 2-6 lamps depending on duct width, height and CFM.

Part TUVC-ADS-xx

Environmental Surface Disinfection System (ESDS)

The ESDS disinfects surfaces in unoccupied rooms. It is a ceiling-mounted metal fixture with high-output germicidal UV-C lights that features an internal electronic power supply and door interlock safety switches and other optional safety accessories including infrared motion detectors. ESDS comes with 1 or 2 shatter-proof Teflon coated high-output 2 year (17,000 hrs) UV-C lamps and a 120 or 230 VAC power supply.
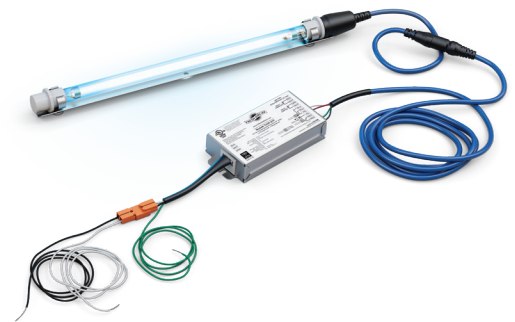
Part TUVC-ESDS-xx

Tight-Fit Kit™

Realize the benefits of germicidal UV light in fan coil units and PTACs. Features a low-profile lamp with metal shield and convenient mounting magnet. Options include 18-32 or 110-277 VAC power supplies and 1 or 2 year UV-C lamps.
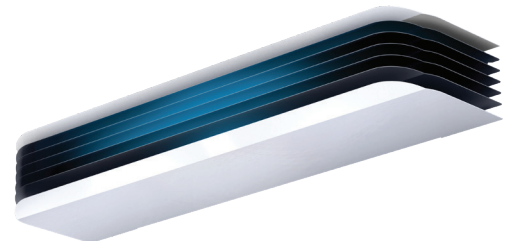
Part TUV-TFK-xx

Aire-Foil

Aire-Foil is an upper air sconce featuring 15" - 60" high-output UVC lamps. It is wall-mounted near ceiling height to mitigate the spread of microorganisms in occupied spaces and is designed with louvers that shield occupants from UV exposure by projecting UVC light rays parallel to the plane of the ceiling.

Part TUVC-UAFS-215D-HO
   TUVC-UAFS-224D-HO
   TUVC-UAFS-232D-HO
   TUVC-UAFS-260D-HO

Mini UV LED™

Mini UV LED is the first-of-its-kind UV light LED system for mini-splits and similar limited space applications. Like all A/C systems, mini-splits are prone to internal mold growth and microbial contamination, particularly on and near the blower wheel. The LED light strip in Mini UV LED is designed to keep surfaces clean without impacting plastic materials.

Part TUV-MINI-LED

Ice UV™

Ice machine maintenance has become easier, safer, and more cost-effective with ICE UV™. UV-C light works continuously to sterilize viruses, mold, and other dangerous pathogens that thrive inside the dark, damp, cool interiors of ice machines. The ICE UV™ system is designed to produce just the right amount of UV-C light; enough to sterilize microbial contaminants including mold, viruses & bacteria without damaging plastic materials inside the ice machine.
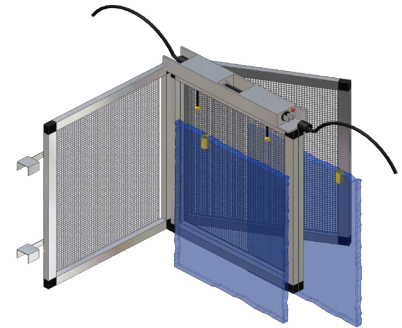
Part TUV-ICE-xx

Purity Commercial Filter

This 2" polarized filtration system Purity Commercial Filter captures particulates of all sizes (down to an incredibly small 0.1 microns). It uses a polarized charge to attract and clump particles together making them easier to capture without restricting air-flow.

Meets CSA Standard C22.2 No.: 187-M1986 and UL Standard ANSI/UL Std No 867 (4th Ed.) for electrostatic air cleaners.
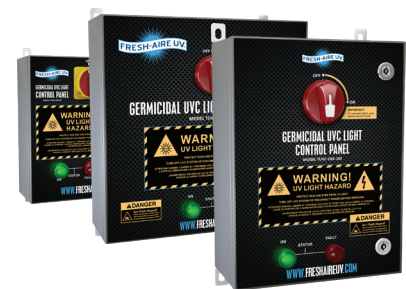
Part TUV-ICE-xx

Control Boxes

Fresh-Aire UV offers a variety of control boxes that are ideal for all large commercial applications including coil and duct-mounted systems with 2-10 power supplies. Features include: BMS on/off switch, lamp on/fault indicator, safety interlock relay, emergency stop, PLC, delay-on timer relay.
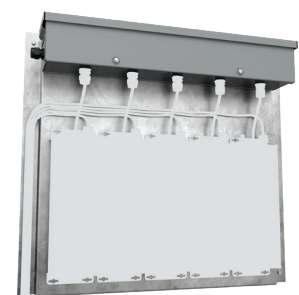
Part TUVC-CBX-xx

Power Supply Mounting Panel

The Power Supply Mounting Panel accommodates up to five Commercial Series power supplies. The panel can be mounted either inside or outside of the air handler (not recommended for outdoor installation). A maximum cable length of 20 ft. for each lamp is recommended.

Part TUVC-PSMP

Interlock Safety Switch

Commercial-grade DP/DT Roller Door Interlock Safety Switch turns off UV light system when a door or access panel is opened. Suitable for systems of all sizes.

Part TUVC-INTLCK

Magnet Interlock Safety Switch

Commercial-grade DP/DT Roller Door Interlock Safety Switch turns off UV light system when a door or access panel is opened. Suitable for systems of all sizes.

Part TUVC-INTLCK

UVC Radiometer

The radiometer measures UVC intensity (mwcm2) and can be used on any commercial unit. It can connect to BMS for lamp status

Part TUVC-RAD-100

Large commercial Viewport

7" circular viewport allows for safe viewing of the UVC system in operation.

Part TUVC-VP-O

Extension Cables

Cables available in 5' or 10' lengths. Use these to extend the 10' cable(s) included with the power supply. Do not exceed 20' total combined cable length.

Parts TUV-CBL5, TUV-CBL10

Coil Mount Bracket

12" Coil Mount Bracket (sold individually). This multipurpose bracket is typically mounted directly to the side framing of the cooling coil. Order two per row.

Part TUVC-CMBRKT

Vertical Support Kit

Add to Core + TRS/APCO when length is over 90". Add additional supports every 90" (a 3 row high, 180" wide installation would require 6 vertical supports). Sold individually.

Part TUVC-LBRKT

Cable Strain Relief

Use when power supplies are mounted outside of the air handler. Sizes are $\frac{1}{2}$", $\frac{3}{4}$", and 1".

Part TUVC-STR.5, TUVC-STR.75, TUVC-STR1

L-Bracket

This Bracket with lamp holster clip is used to mount onto AHU side walls or any other metal surface as needed. Included in all commercial core kits.

Part TUVC-VS

Mounting Magnet

60lb magnet with mounting hardware (sold individually). Ideal for use on Rooftop Package Units (order two). OK for galvanized metal, will not work on aluminum or stainless.

Part TUVC-MG

UVC Lamp Shield

Clamps directly to our 18, 24, 32, 46, and 60 inch lamps. Use it to keep UV light from shining on UV sensitive materials, insulation, filter media etc. Also helps focus UVC light for deeper coil penetration.

Parts

TUVC-SHIELD-60
TUVC-SHIELD-46
TUVC-SHIELD-32
TUVC-SHIELD-24
TUVC-SHIELD-18