



**American Ultraviolet®**

## Infection Control Rack (ICR) Series

### **American Ultraviolet High-output ICR Series fixtures**

are designed specifically for HVAC airstream disinfection applications. These ready to install framed structures can be easily mounted in duct systems and on coils to provide the desired airstream disinfection to protect personnel from unwanted bacteria, viruses or fungi travelling in the air airstream.

### **Applications**

ICR Series fixtures from American Ultraviolet are ideal for large air handling systems in commercial, industrial, healthcare and institutional buildings.

### **ICR Series**

Fixtures not only decontaminate air, they also use UVC cleansing energy to remove biofilms from cooling coils and drain pans. The ICR Series can be mounted within minutes to plenum walls, or to frame assemblies that span supply ducts and/or cooling coils. These fixtures are offered in various lamp configurations and come standard in five different widths (18", 24", 36", 48", & 60"). Frames can be mounted side by side, or stacked, vertically, to cover the entire plenum or coil.

### **Benefits**

- Reduces bacteria, viruses and fungi with one pass through ICR
- Each system is custom sized to individual duct and desired microbial reduction rate at no additional charge; reduction rates up to 99.9 % (dependent upon microbe)
- Installs in minutes; comes with ready assembled frame structure that easily attaches to plenum wall
- Installation down-stream offers removal or prevention of biofilm build-ups on cooling coil; and restores coil back to optimum heat transfer properties
- "Green" lamps contain  $\leq$  8mg of Mercury
- Exclusive 2-year (17,000 hours) guarantee on high output lamp life
- No maintenance required, other than changing lamps every 2 years

### **ICR Series**



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Since 1960. It's all we do.

AUV ICR SERIES

# Infection Control Rack (ICR) Series

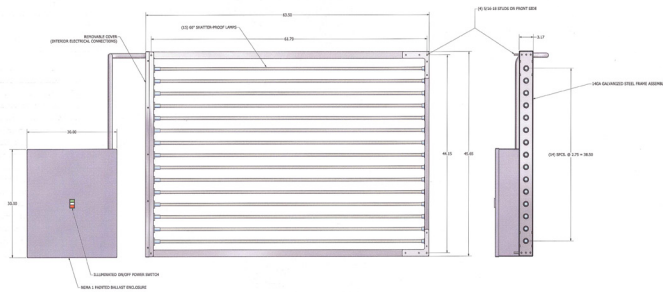
## ICR SERIES SPECIFICATIONS:

Every ICR Series fixture is factory assembled in the U.S.A., and tested prior to shipment. Each assembly consists of a fully wired and enclosed power supply, electronic ballast(s), frame assembly, lamp holders, and high output lamp(s).

**FIXTURE:** Specially designed over-lapping sheet metal components offer an exceptional degree of protection to moisture. “Moisture-Proof” construction incorporates a moisture proof wire lead connector assembly.

**BALLAST:** The solid-state electronic ballast (furnished with this series), is a Class P rapid start with a power factor minimum of .95. It is available as 120, 208, 230, or 277 VAC 50/60 Hz and is designed to maximize photon production in air temperatures of 35 to 175 degrees F. Minimum ballast start temperature is minus 20 degrees F. Ballasts have an RFI - EMI rating as defined by FCC part 18A for industrial / commercial applications in regards to suppression. Ballasts are UL listed and suitable for use in air handling spaces.

**LAMPS:** ICR Series UVC lamps are high-output (800ma), T5 tube diameter, and constructed from hard glass quartz tubing for superior UV transmittance. Lamps are “green,” containing  $\leq 8$ mg of mercury (Hg) and they produce no ozone. Electrodes are designed to maximize plasma convection and stability for superior lamp performance. Lamps are rated to produce 11.7 microwatts/cm<sup>2</sup> per linear inch of lamp arc length at a distance of one meter. This output has been independently tested in airstreams of 400 feet per minute velocities at temperatures of 45 degrees F. For shatter resistance, XL-1 coated lamps can be provided.



Example of High In-duct Disinfection

## Additional American Ultraviolet In-duct Airstream Disinfection Products Include:

### Duct Clean (DC) Series

fixtures for external installation in medium to large air handling systems in commercial, industrial, healthcare and institutional buildings.

### Nema 4X (NC) Series

fixtures for rooftop A/C units, or ductwork, use a modified NEMA 4 enclosure for the power supply and enable easy access to difficult to reach outdoor locations.

### Coil Clean (CC) Series

fixtures for internal installation in medium to large air handling systems in commercial, industrial, healthcare and institutional buildings.



Represented by:



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Since 1960. It's all we do.

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Prolonged, direct exposure to UVC light can cause temporary skin redness and eye irritation, but does not cause skin cancer or cataracts. American Ultraviolet systems are designed with safety in mind and, when properly installed by a professional contractor, do not allow exposure to UV irradiation and allow for safe operation and maintenance.

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