

 **UV-C TECHNOLOGY**

## Help Improve Air Quality & Extend HVAC Lifespan with Cutting-Edge Technology

For clients seeking to improve indoor air quality (IAQ), promote occupant health and comfort, and reduce maintenance needs, EMCOR Services Scalise Industries (ESSI) can provide the latest in ultra-violet (UV-C) technology which helps prevent the growth of airborne pathogens that accumulate in HVAC equipment.

Offering continuous 24/7 protection to your HVAC equipment, our UV-C lamps are an affordable long-term solution for facility environments where air quality and occupant health and safety are a concern.

### Protect Your Facility and Systems from Indoor Air Pathogens

Indoor air often contains mildew, mold, bacteria, viruses, and other microbial agents that negatively impact the health, comfort, and productivity of building occupants. These airborne pathogens can build up in HVAC systems and are frequently responsible for mechanical issues, including significant decreases in cooling capacity. UV-C lamps protect air-handling systems by helping to prevent the growth of harmful microbes before they can accumulate, promoting the cleanliness of surfaces throughout your HVAC system and overall IAQ.

Without contaminant buildup, cooling coils require less maintenance and preserve their original heat transfer and pressure drop levels, often resulting in significant energy savings.

### Service Options

At ESSI, we continuously evaluate the application of new technologies in order to provide customers the latest, most cost effective UV-C solutions. Our two primary service options include:

> **Surface Decontamination:** To help ensure equipment receives continuous exposure, lamps are placed downstream of cooling coil and drain pan on mounting brackets installed in the coil segment.

### BENEFITS OF UV-C

Improve IAQ

Eliminate buildup of contaminants on cooling coils

Disinfect and clean system surfaces

Restore cooling capacity

Enhance system efficiency, lowering energy costs

Reduce system maintenance requirements

Promote occupant health and comfort

Increase employee productivity

24/7 protection to HVAC equipment

Low-cost installation

> **Airborne Inactivation:** Designed to fight pathogens in the airstream, lamps are placed end-to-end in ductwork, increasing the total time that air particles are exposed to light.

Both of our UV-C solutions are installed and maintained by specially trained, highly qualified technicians. They follow the most stringent safety protocols and are equipped with personal protective equipment designed specifically for this technology.

### THAT RESPONSIVE. THAT EXPERIENCED.

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