PURO®
UV Disinfection Lighting

POWERFUL. PROVEN.

Revolutionizing Mini Split Maintenance: The Fighter Mini LED UVC Device

Elevating HVAC Hygiene and Efficiency with UVC LED Technology

In HVAC maintenance, ensuring clean evaporator coils is crucial for both hygiene and energy efficiency. The Mini Fighter, a pioneering UVC LED device, is designed to maintain the cleanliness of evaporator coils in mini splits, heat pumps, and PTAC units.

Why the Mini Fighter?

- Innovative Disinfection Solution: First of its kind, designed specifically for small HVAC units, offering a new standard in coil cleanliness and air quality.
- Continuous Protection: Operates 24/7, preventing biofilm buildup on evaporator coils, ensuring ongoing system efficiency.
- Energy Efficiency: By keeping coils clean, the Mini Fighter reduces energy consumption by up to 15%, as clean coils require less energy to achieve the same level of cooling.
- Easy Integration: Compact and versatile, it's suitable for various HVAC units, including mini splits, heat pumps, and PTAC units.

Fighter Mini LED

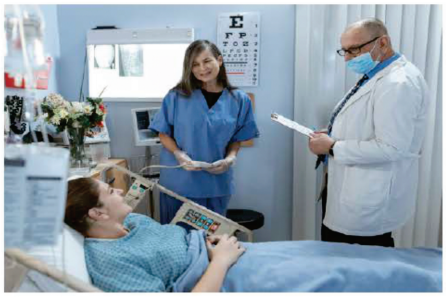
Impact on Maintenance and Energy

- Reduced Maintenance Costs: Regular use of the Mini Fighter can decrease the frequency of manual coil cleanings by up to 50%, significantly lowering maintenance costs.
- Improved System Efficiency: Clean coils improve heat exchange efficiency, reducing the workload on the system and extending its lifespan.
- Energy Savings: Studies show that maintaining clean evaporator coils can result in energy savings of 10-15%, as the system operates more efficiently.
- Prevention of Mold and Bacteria: By continuously disinfecting the coils, UVC technology prevents the growth of mold and bacteria, common causes of system inefficiency and poor air quality.

A Step Towards Sustainable HVAC Management

The Mini Fighter is more than a UVC device; it's a tool for sustainable HVAC management. By ensuring clean evaporator coils, it not only improves air quality but also reduces energy consumption and maintenance costs, making it an essential addition to any facility's HVAC system.

Applications:



Patient Care

Education

Residential

Infection Prevention

- Bacteria & Virus Elimination: UVC light is proven to eliminate up to 99.9% of common pathogens, including those responsible for hospital-acquired infections.
- Molds & Fungi Mitigation: Prevents the growth of molds and fungi.

Reduced Maintenance Costs

- Less Frequent Cleaning: UVC technology reduces the need for regular manual cleanings, resulting in decreased labor costs.
- UVC LEDs: UVC LED Technology will last longer than mercury vapor solutions, up to 20,000 hours. It's small package also allows for install in tight applications.
- Extended HVAC System Life: Prevents buildup of organic material, ensuring smoother operations and a longer lifespan of the HVAC systems.

Operational Efficiency

- Decreased Downtime: Regular mini split maintenance can cause interruptions. UVC technology reduces these occurrences, ensuring uninterrupted clean conditioned air.
- UVC LEDs: UVC LED Bars do not contain any glass, so there is no risk of breakage within the mini split.
- Energy Savings: Less organic buildup translates to more efficient machine operations, consuming less energy and reducing utility costs.

Environmental Impact

- Reduced Chemical Use: UVC disinfection reduces the reliance on chemical disinfectants, promoting a greener, more sustainable environment.
- UVC LEDs: UVC LED Technology does not use any mercury in its design unlike traditional UVC lamps.

For additional details, install references, sizing examples, information needed for your estimate, CDC/ASHRAE resources, or general information about air disinfection, please contact your local **PURO UV Disinfection Lighting rep at info@purolighting.com**