








POWERFUL. PROVEN.

PURO UV Air and Surface Disinfection Solutions for HVAC Systems

Why UV light is the best way to disinfect air and surfaces in HVAC systems

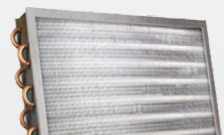
-  Most cost-effective way to create disinfection coverage throughout the building
-  Coil disinfection reduces HVAC costs by 4.5% – 15%, making it a sustainable technology while reducing bottom line costs
-  Inhibits creation of biofilm, increases indoor air quality (IAQ) and comfort, increases occupant wellness
-  No need to worry about architectural integration
-  Increases filter lifespan and reduces the need to increase filters to a higher MERV rating that can contribute to pressure drop, causing HVAC issues
-  Reduces biohazard risks
-  Reduces the amount of mixed air needed, reducing bacteria on coils on coils



Fighter Flex System in Operation

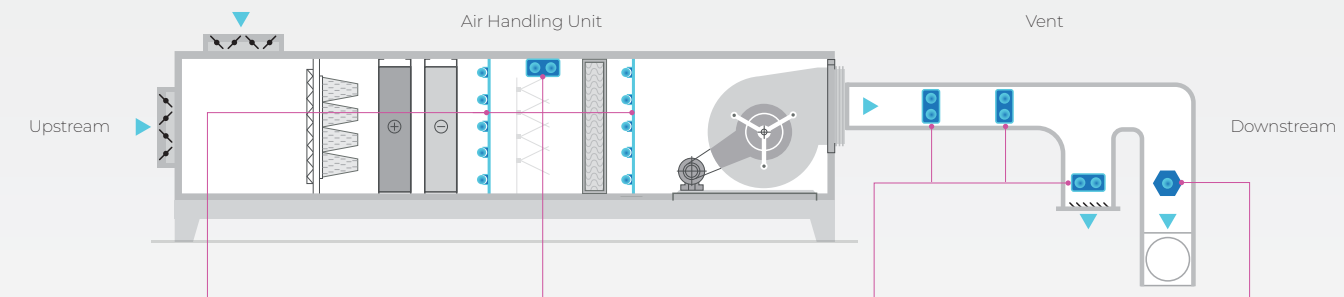


Coils with Mold



Coils Disinfected with UV Light

PURO has a UV solution for every HVAC disinfection need



Fighter Flex System

Germicidal UV-C Kit for Fan Coil and Air Handling Units eliminates biofilms on coils and condensation pans with intuitive lamp socket system. Design is modular for any system.



Helo F1/F2

High Intensity pulsed-Xenon UV light for use in Air Handling Units. Powered by Violet Defense[®] technology.



Defender

Simple, and easy to retrofit for continuous in-duct air disinfection.



Mini Defender

Selective high efficiency UV-C lamp that's easy to install for continuous in-duct air disinfection. Suitable for wet locations with IP67 rating.

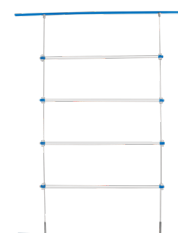


The PURO Difference

PURO®
UV Disinfection Lighting

By offering multiple UV technologies, we focus on the best solution for you.

For disinfection in air handling units, PURO offers two different yet powerful technologies: UV-C Mercury Vapor lamps and pulsed-Xenon, powered by Violet Defense® technology. PURO Lighting can help you determine the technology for the best approach, and customize the right solution for your disinfection needs and HVAC system structures.



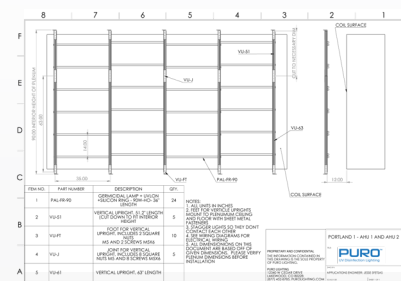
UV-C Mercury Vapor Technology



Pulsed-Xenon UV Light Technology

Our in-house engineers and application teams will create and support the right solution for your needs.

We don't guess at what UV dosage is needed for your HVAC system. Our engineers and application experts build solutions around your structure variables, disinfection rate goals, target pathogens and future maintenance goals. We offer on-site visits as well as leverage our own in-house software for calculations, detailed CAD drawings and more. All to make sure you're sizing your customized PURO UV disinfection program for your intended goals.



From staff training to installation support and more, PURO's 360° Customer Success Program delivers the results you need.

PURO stands with you every step of the way, working with owners, managers, maintenance teams, contractors and more to deliver the complete disinfection solution you need while helping to reduce overall costs around installation, energy consumption, maintenance, and more. We even offer marketing and communications ideas to help you tell your disinfection story to those who need to hear it.



DISINFECTION TYPE	PURPOSE	LOCATION	PURO UV SOLUTION	CONTROLS
Coil Disinfection	<ul style="list-style-type: none"> Remove and prevent biofilm buildup on cooling coils ASHRAE recommended 	<ul style="list-style-type: none"> Cooling coils in air handling units/ rooftop units Between air filter and cooling coils 	<ul style="list-style-type: none"> PURO Fighter Flex PURO Helo F1/F2 	<ul style="list-style-type: none"> Fighter Flex: AHU Access Control System to avoid accidental UV exposure while system is on. Helo: PURONet Disinfection Control System to collect operational data and avoid accidental UV exposure while system is on.
Air & Coil Disinfection	<ul style="list-style-type: none"> Disinfect recycled air and prevent biofilm buildup on cooling coils & condensation pan simultaneously Requires PURO's customized UV solution to disinfect the moving air 	<ul style="list-style-type: none"> Cooling coils in air handling units/ rooftop units Ideally located between air filter and cooling coils 	<ul style="list-style-type: none"> PURO Fighter Flex 	<ul style="list-style-type: none"> AHU Access Control System to avoid UV exposure to people accidentally entering the space while system is on.
Air Disinfection	<ul style="list-style-type: none"> Disinfect the recycled air in the HVAC system 	<ul style="list-style-type: none"> In-duct installation Located on or after the supply collar for in-duct use 	<ul style="list-style-type: none"> PURO Defender PURO Mini-Defender 	<ul style="list-style-type: none"> LED indicator on Defender unit to verify operation of individual lamps Can be paired with mechanical lever switch on duct access to prevent accidental overexposure while system is on.

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**