



How Nature Cleans®

Ux200 Series In-Duct Active Photocatalytic Oxidation Technology



UVAIRx Ux200 Series systems are economical, low maintenance and with their In-Duct design offer pervasive coverage within the indoor environment, including surfaces.

The Ux200 Series units will significantly reduce smoke, mildew, mold and fungus, odors, bacteria, viruses and volatile organic compounds (VOCs).

Completely safe for humans, animals and plants, Ux200 devices are ideal for almost any indoor environment that incorporates an HVAC system including homes, restaurants, day care facilities, offices, doctor and dental offices, pet kennels, spas and salons, locker rooms, pet boarders and groomers, veterinarians, smoking lounges, mortuaries, classrooms and more!

Ux200 Series units also help keep HVAC systems free from contaminants along with helping protect the “A Coil” from mold, mildew and other biological material which, in turn reduces cleaning costs and increases efficiency.

Considering that the average American now spends 90% of their time inside, indoor air pollution is considered by the Environmental Protection Agency (EPA) to be a major environmental health problem. Today’s tightly sealed, energy efficient buildings and homes do keep utility costs down but seal in pollutants and pathogens which cause odor, mold and illness as well as allergies.

With its Active Photocatalytic Oxidation Technology the Ux200 Series In-Duct devices substantially reduce odors, smoke, viruses, bacteria and mold spores in the air as well as microbial populations on surfaces; something passive air treatment devices, like HEPA filters and passive UV lamps, cannot do, and eliminates any issues with residuals.

All UVAIRx Ux200 Series In-Duct units are available with an optional VariFlow Green Switch, an HVAC fan speed control switch that continues to run the fan at 35% of its normal speed in the central air conditioning and heating system when the heating and cooling functions are off. The fan itself costs hardly anything to run and uses the residual energy in the coil and/or heating unit. It operates quietly in most systems and keeps air treatment constantly optimized.



VariFlow Green Switch

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Ux200 Series Spec Rev. D



Made in the USA

Specifications:



Part Number	Electrical	Dimensions	Weight	Coverage*
Ux202	12VDC Input Uses 13.3W**	8" x 8" x 11"	2.8 pounds	2000 sqft.
Ux205	12VDC Input Uses 19.2W**	8" x 8" x 16.75"	3.0 pounds	5000 sqft.

*depending on bio-load. Please consult a UVAIRx representative. **Based on nominal line voltage.

The Technology:

All UVAIRx Ux200 Series In-Duct systems utilize Active Photocatalytic Oxidation Technology (PCO) in which UV light is targeted on a proprietary hydrated honeycomb target which then creates an active ionized plasma. The resulting output reduces mold spores, pathogens and odors by over 90% in the air, on surfaces or wherever they reside.

The PCO process is very efficient, using about the same energy as a standard 40W light bulb. Under normal conditions the UV bulb in the PCO Cell should last up to 30 months, at which time the bulb is easily replaced.

Active Photocatalytic Oxidation Technology is licensed for use in over 1 million individual devices globally, as well as away from Earth where it is in orbit aboard the International Space Station.

Installation:

UVAIRx In-Duct units install in any HVAC system directly into the plenum or above the air handler in downstream locations. The Ux200 Series works by converting water vapor and oxygen from untreated air into an active ionized plasma, substantially reducing odors, mold spores, viruses and bacteria creating a healthier indoor environment. Untreated air enters the air handler, passes by the PCO Cell and releases treated air through existing HVAC vents. The hydro-peroxides, hydroxyls and ions will *then act on pathogens inside the space that have not passed through the HVAC system*. This is quite different from passive treatments which completely rely on untreated air to pass by or pass through a system to be treated. Another advantage of active treatment is that exposed surfaces are treated as effectively as the air is treated. The system is working 24/7 providing a residual effect.

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