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Washable UVGI Systems

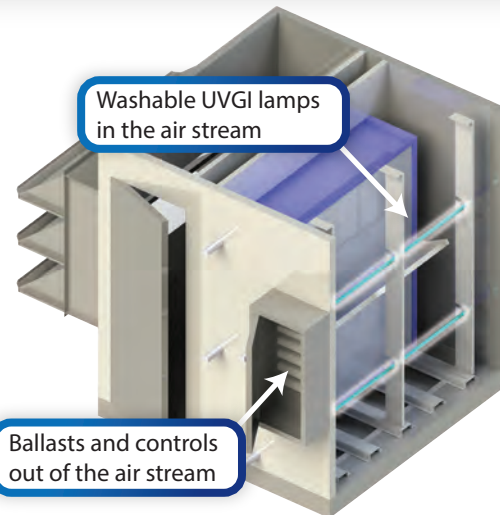
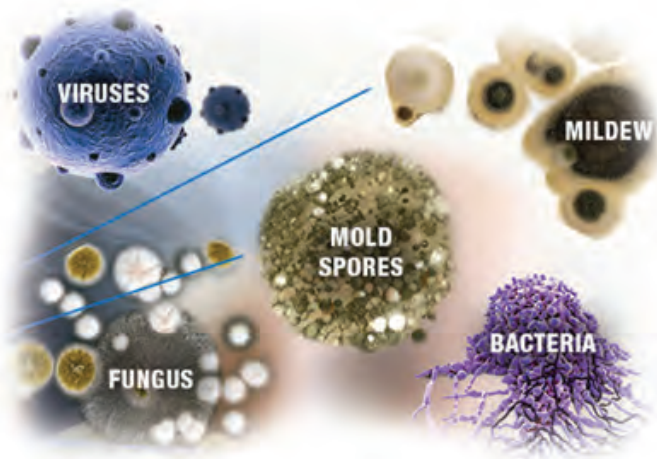
Solutions for Sanitation and Indoor Air Quality



What is UVGI (Ultraviolet Germicidal Irradiation)?



Simply put, it refers to exposing microorganisms to ultraviolet radiation in the range of 200-280 nm, known as Ultraviolet C Band, or UVC. As a result, the microorganisms are killed or sterilized so they cannot reproduce.



The Problem

Does your air handler smell like "dirty socks?" Molds and mildews thrive in a wet coil and drain pan environment. If left unchecked, it can result in lowered efficiency of the cooling coil through growth accumulation, increased odors, and distribution of mold, mildew, bacteria and viruses throughout the air duct system.

The Solution: Why Use UVGI?

- Part of a multiple barrier approach to reducing transmission of viruses¹
- Reduces the risk of cold, flu, allergies and other illnesses
- Proactive method of continuously cleaning coils and drain pans
- Coil performance is maintained as if the coils were brand new
- Lower maintenance costs and maintains system efficiency
- Sterilizes DNA of mold so it cannot reproduce



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CDI creates the climate you need to achieve your critical mission.



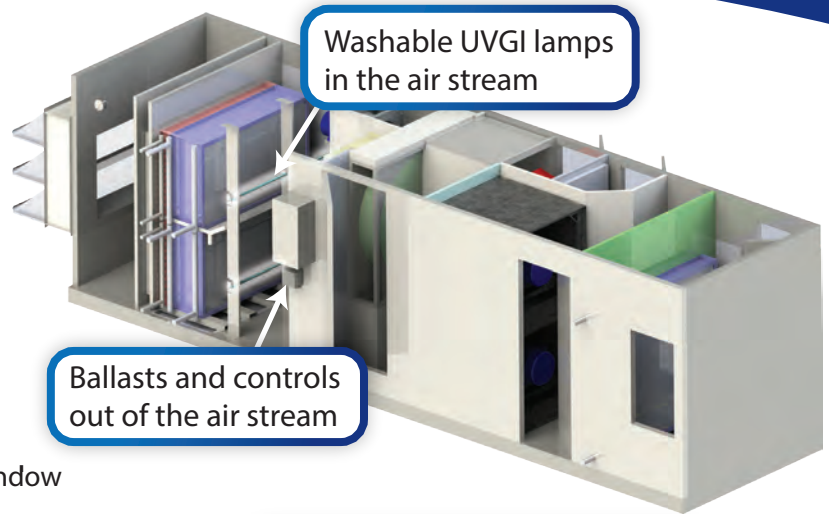
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Washable UVGI Systems

Solutions for Sanitation and Indoor Air Quality

Features

- Wash down **without** any disassembly
 - Water and dust tight connections for lamp and wiring allows wash down of the airstream and components
 - Control transformer and ballasts located on the unit exterior out of the air stream
- UV access door with interlock switch and Lexan window for UV lamp monitoring
- 2-year lamp which retains 80% UV Germicidal Irradiation initial output over its 17,000 hour life
- Shatterproof FEP (fluorinated ethylene propylene) coating creating an envelope isolating lamp residue if breakage occurs
- ≤ 8mg Mercury (Hg)
- High-Output/800mA (standard output 425mA available for appropriate applications)

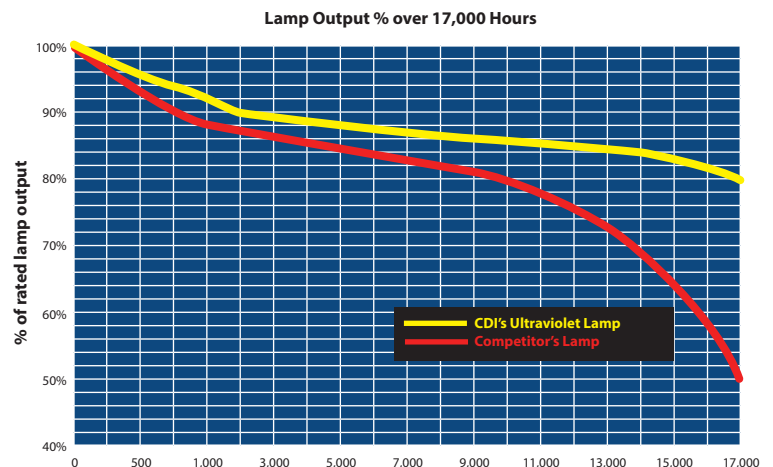


What does a 17,000 hour UVC lamp mean to you?

- 2 years without a lamp change
- 50% lower upkeep costs vs replacing lamps every year
- Reduced labor requirements
- Output at the 2-year mark equal or better than competitors' lamp output at the 1 year mark
- Better IAQ due to higher lamp output over time.

CDI Lamp	Competitor Lamp
• Long-life low mercury "Green" proprietary lamp technology	• Standard high-output, high mercury content UVC Lamp
• Maintains 95% efficiency, stable, consistent higher output	• As early as 41 days, lost at least 10% of initial output

References: ¹IUVA Fact Sheet on UV Disinfection for COVID-19. (n.d.)
Retrieved from <http://www.iuva.org/COVID-19>



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