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PHS ASIA Co., Ltd



BIOZONE[®]
SCIENTIFIC INTERNATIONAL

Cleaner Air Healthier Life

CoilCare

- Optimize HVAC performance
- Work with every HVAC system
- Ease-of-use and -install

- Automate cooling coil disinfection
- Improve indoor air quality
- Achieve energy savings

**PhotoPlasma™ and
UV Light Germicidal Disinfection System for
Commercial HVAC Applications**

Automated Cooling Coil Disinfection Solution

Introducing The CoilCare Solution From BioZone Scientific

The CoilCare solution is an automated, chemical-free system for cleaning and disinfecting HVAC equipment, including cooling coils, drain pans, and ventilation ductwork.

- Eliminate 99% of microbial bacteria and fungi
- Prevent the accumulation of biofilm
- Optimize HVAC system performance
- Increase energy savings
- Improve indoor air quality
- Reduce installation time with Quick Connect wiring
- Reduce quoting time and increase system effectiveness by using UVCalc, a free software service exclusive to BioZone
- Flexible installation options

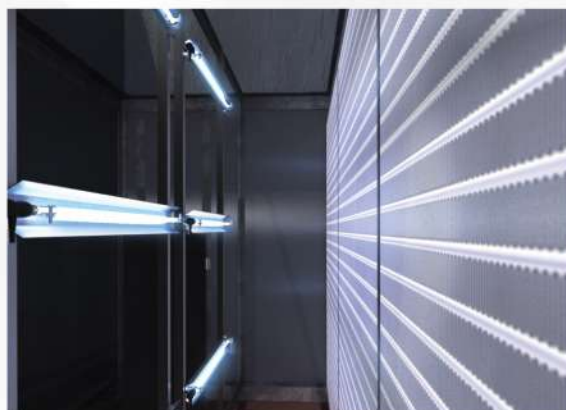


Photo Concentrator

The CoilCare CCX

The CoilCare CCX, is designed to be mounted internally in commercial-grade air handling units.

The lamps measure 0.8 to 1.5 m, making CoilCare CCX ideal for applications of any size.



- Unparalleled surface disinfection and improvement of indoor air quality
- Includes one or more UV lamps and a photon concentrator
- Features a water and UV resistant power supply, hardened against humidity
- Quick Connect wiring, pre-wired for plug and play. Can reduce install times.

Automatic Coil Cleaning

CoilCare minimizes human error for missed surfaces or insufficient chemical contact times, and no specialized training is required for its operation.



Coilcare users never need to clean their coils again, potentially saving thousands of dollars per year.

Improve Indoor Air Quality

HVAC disinfectant solutions which rely on UV light are proven to promote the following positive effects:

- Reduced microbial contamination within HVAC systems by more than 90%
- Lower respiratory illnesses among occupants by more than 40%

Sources: ASHRE and The Lancet

75% Percentage of indoor air quality problems related to HVAC, including absenteeism and lost productivity

Source: National Energy Management Institute

Regulatory Compliance and Certifications

CoilCare is a chemical-free, "green" solution, and does not use water. Customers can earn LEED points and achieve WELL certification by using CoilCare.



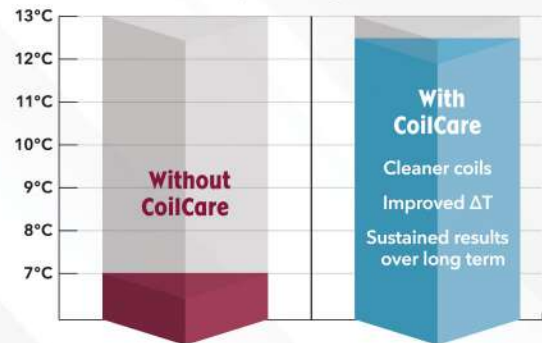
Achieve Energy Savings

Using CoilCare begins to immediately improve the overall system performance, returning an HVAC system to peak thermal efficiency in several areas:

- Improvements in Chilled Water Delta T
- Lower energy bills
- Reduction in pressure drop and improvement in air velocity

Heat Transfer Efficiency

Chilled water Delta T at the coil Daily Averages



CoilCare can increase the efficiency of heat transfer from air to water by up to

76%

Source: BioZone case study, available upon request

UVCalc Configuration Software

UVCalc is a software tool which simplifies and automates the process of selecting the most optimized, custom CoilCare configuration.

UVCalc is usable by anyone. Its reports are available within minutes, and include complete submittals.

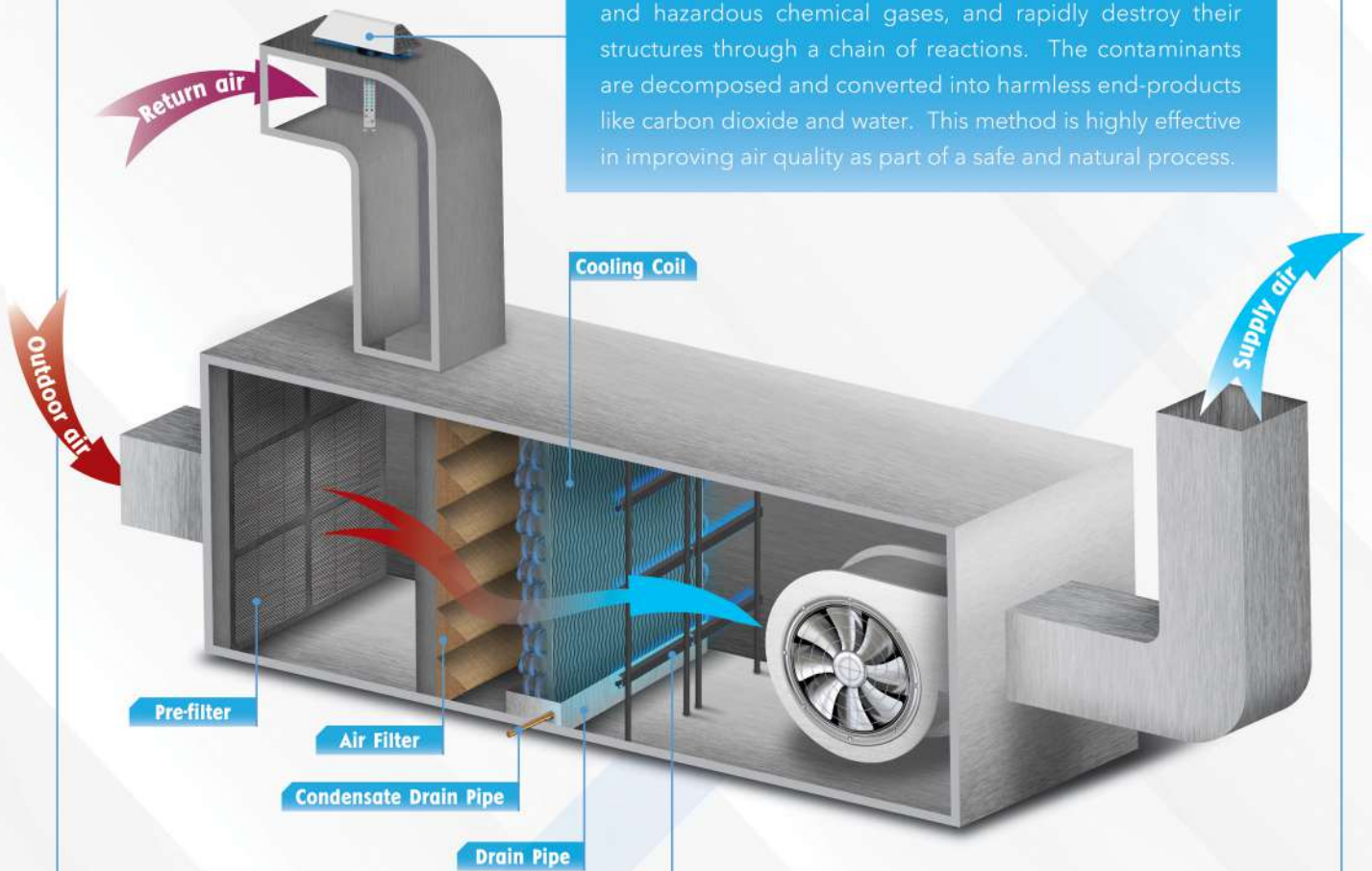
UVCalc is available for free, exclusively for all users of CoilCare.

Product Installation

Air Handling Unit

InDuct Series

InDuct generates PhotoPlasma, which actively capture various air contaminants, such as microorganisms, VOCs, and hazardous chemical gases, and rapidly destroy their structures through a chain of reactions. The contaminants are decomposed and converted into harmless end-products like carbon dioxide and water. This method is highly effective in improving air quality as part of a safe and natural process.



CoilCare

CoilCare irradiates the surfaces of HVAC evaporator coils with specific frequencies of ultraviolet light, a natural germicide.

The UV light inactivates microorganisms and breaks down organic residue, preventing growth and keeping coils clean. In doing so, CoilCare can restore coil performance and extend the life of the coils. Clean coils operate at the peak performance level to which they were designed.

Keeping coils clean of biofilm and other contaminants ensures indoor air quality and significant savings in maintenance and energy costs.



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PHS ASIA Co., Ltd

YOUR SOLUTION PARTNER

- Chemicals
- Kitchen Equipment
- Room Linen and Towel
- Room Amenities & Spa
- Cleaning Tools
- F&B Service Equipment
- In-Room Equipment
- Hotel Lock, Safety Box, Minibar Telephone
- Hospitality Consultation