



UV-C WHAT WE DID THERE?

INTEGRATED LAMP TECHNOLOGY FOR AIR HANDLING UNITS



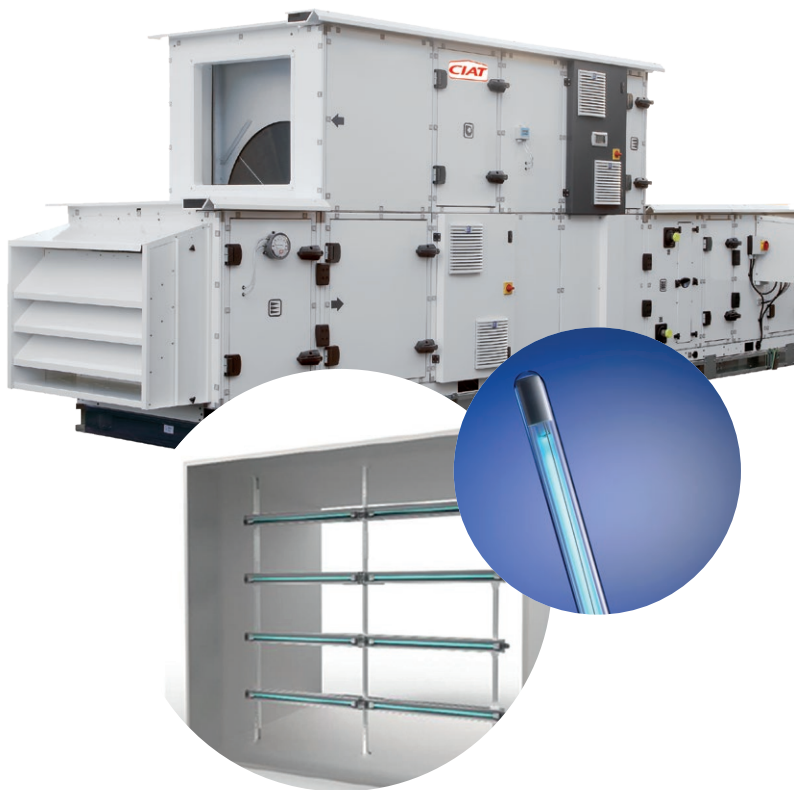
Correctly serviced and maintained ventilation systems that clean air have never been more critical to humanity. Because the SARS-CoV-2 virus is transmitted primarily through large respiratory droplets, and may also be spread by smaller, infected aerosol particles that remain suspended in the air*, HVAC systems can be especially effective in reducing transmission of the virus in the built environment*.

However, its not just our health that's at risk but also spiralling costs for maintenance. Air recirculation, temperature fluctuations, and humidity allow microbial organisms, pathogens, spores and moulds to combine with each other in complex ways and settle all over surfaces inside the system in the form of an unpleasant biofilm. A biofilm of less than 0.5 mm can reduce system efficiency by up to 40%.

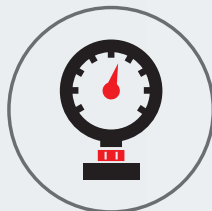
In our ongoing commitment to indoor air quality, UV-C lamp technology is now available as an option for all of our new and existing ranges of CIAT air handling units.

SO WHAT DOES UV-C DO?

While air moves through the air handling unit, it passes over the UV-C lamps which expose it to radiation (254nm in wavelength). This helps to deactivate microorganisms such as bacteria, viruses and other pathogens within the air.



Reduced Microbial Load in Air & Biofilm



Minimal Pressure Drops



Extended Lamp Service Life with Intelligent Control Management



Energy Efficient, Quiet and Lightweight



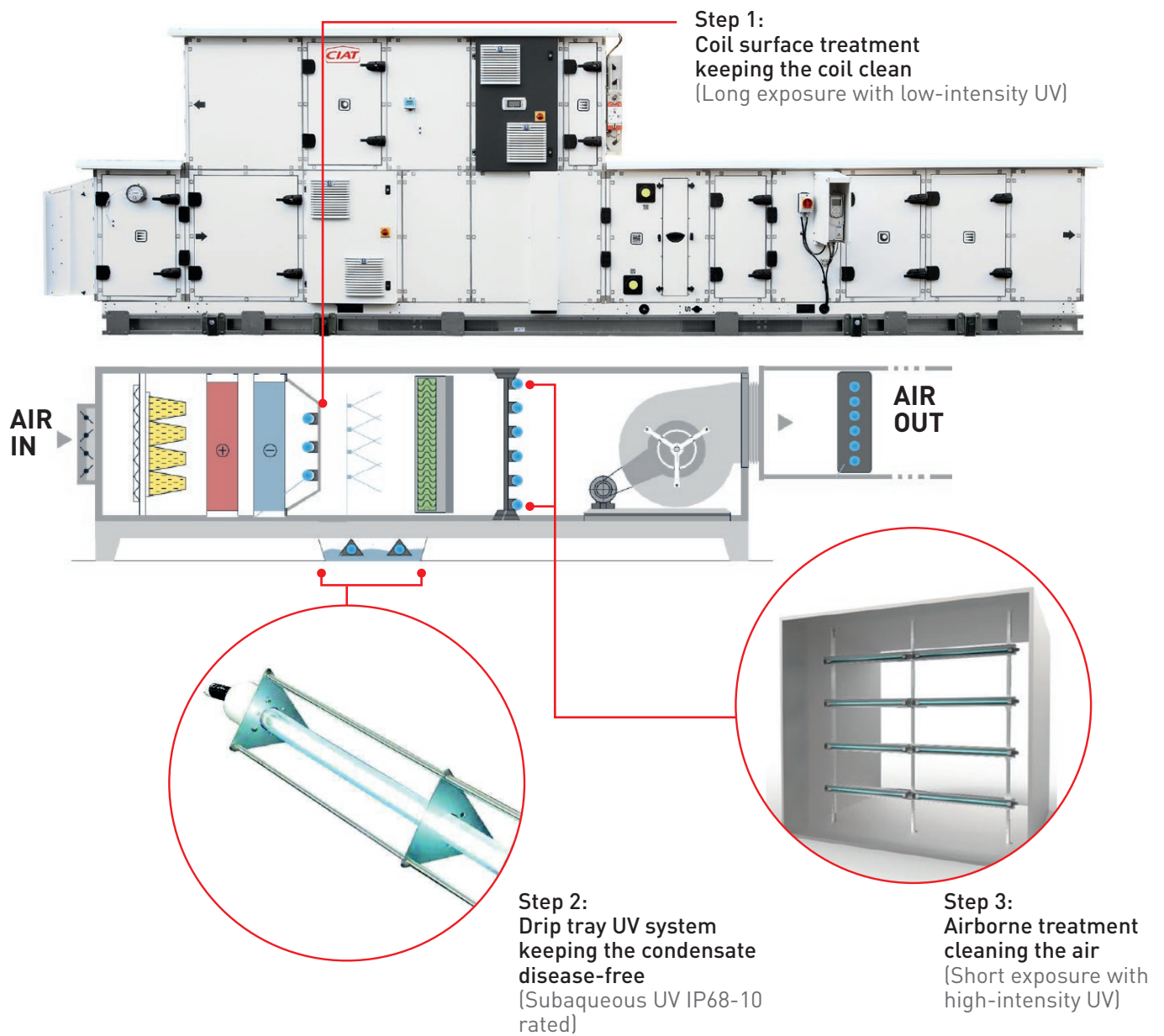
ZERO Ozone Emissions

*ASHRAE has concluded that "ventilation and filtration provided by heating, ventilating and air-conditioning systems can reduce the airborne concentration of SARS-CoV-2 and thus the risk of transmission through the air." See "Pandemic COVID-19 and Airborne Transmission," ASHRAE Environmental Health Committee, approved April 17, 2020, Web April 23, 2020, <https://www.ashrae.org/file%20library/technical%20resources/covid-19/eiband-airbornetransmission.pdf>



3 STEPS TO CLEANER AIR

INTEGRATED LAMP TECHNOLOGY FOR AIR HANDLING UNITS





WITH INTEGRATED UV-C THERE IS A CLIMACIAT AIR HANDLING UNIT FOR ANY PROJECT

Produced in Culoz, France at our CIAT Airside Centre of Excellence, you can now specify your CLIMACIAT airaccess, CLIMACIAT airtech, CLIMACIAT airclean, AIRTECH or AIRCLEAN units with integrated UV-C. The air handling units will arrive onsite with UV-C options already pre-installed. Optional LED operating signal and digital hour counters are also available on request (sold separately).



CLIMACIAT
airaccess
PURE
PERFORMANCE
1,000 to 30,000 m3/h



CLIMACIAT
airtech
PURE
MODULARITY
1,000 to 30,000 m3/h



CLIMACIAT
airclean
PURE
CLEANLINESS
1,000 to 30,000 m3/h



AIRCLEAN
1,000 to 60,000 m3/h



AIRTECH
1,000 to 6630,000 m3/h

WITH THE CLIMACIAT INTEGRATED UV-C THERE IS A CLIMACIAT AIR HANDLING UNIT FOR ANY PROJECT



HEALTHCARE



OFFICES



FOOD
INDUSTRY



HOTELS



SCHOOLS



AIRPORTS



GYM



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Availability depends on each country. Please contact your local CIAT representative.

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