For Immediate Release

Contact: Andrew Bailey
andrew.lingfield@btinternet.com
Tel: 07925 187 647

UV-C Light System Mounted Within Air Handling Units Helps Improve Indoor Air Quality

CULOZ, France, 24 June 2021 – A powerful ultra-violet C (UV-C) light disinfection system that targets viruses and bacteria is now available as an integrated option on CIAT's air handling units (AHUs). UV-C light systems are a solution promoted through #CIAT4life, a campaign to spread awareness of CIAT's advanced indoor air quality (IAQ) solutions and services to help create healthier indoor environments. CIAT is part of Carrier Global Corporation (NYSE: CARR), the leading global provider of healthy, safe and sustainable building and cold chain solutions.

UV-C light has been used for more than a century to disinfect public water supplies due to its ability to quickly and effectively inactivate potentially harmful pathogens. The modern, high performance UV-C lamp system used on CIAT's AHUs targets airborne, waterborne and surface microorganisms to improve IAQ.

UV-C lamps installed at strategic points within the AHU enclosure flood key areas in high energy, cleansing UV-C light. A thorough three-step process decontaminates the coil surface, condensate in the drip tray and air passing through the AHU housing. The UV-C radiation disrupts the molecular structure of pathogens, reducing risks.

The lamps are highly energy efficient, quiet and lightweight, and their physical presence inside the unit has only a minimal effect on air pressure and AHU performance. As the UV-C system is fully enclosed within the AHU's metal housing, the UV-C light presents no risk to users or building occupants. Additionally, all units include safety measures to avoid accidental exposure to technicians during maintenance. With a long life-cycle and minimal maintenance requirements, UV-C offers a highly cost-effective treatment for today's indoor air hygiene challenges.

"This innovation gives building owners and facility managers a highly effective new tool in the armoury to address the risk from pathogens circulating in buildings and reduce infection risks," said Juan Jose Francisco Diez, EU Airside Marketing Manager, CIAT. "It provides a high level of protection and reassurance as part of a programme of microbial mitigation and improved safety measures, and is particularly suitable for use in healthcare, offices, the food industry, hotels, schools, airports, leisure facilities, gyms, theatres and cinemas."

Three different configurations for UV-C lights are available. In critical applications, such as healthcare and food production, UV-C can be used in combination with a HEPA filtration system to remove deactivated particles and other microscopic contaminants from the airstream.

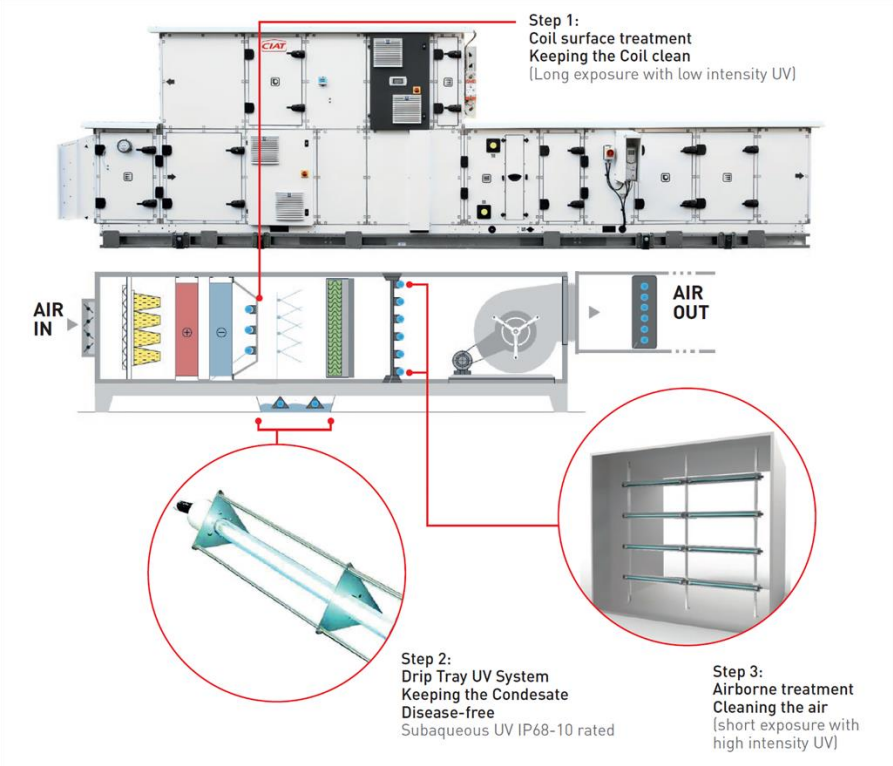
UV-C is available as an option on Climaciat™ AIRTECH, Climaciat AIRCLEAN and Climaciat AIRACCESS, plus its AIRTECH and AIRCLEAN ranges.

For more details on CIAT's UV-C range, visit: Climaciat /Airtech/Airclean/Airaccess.

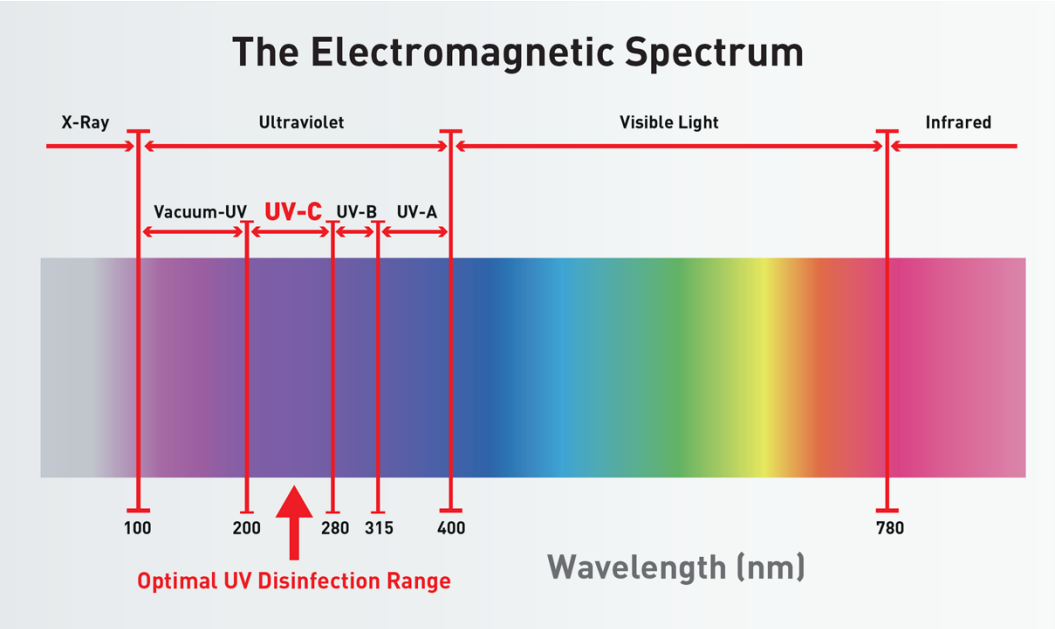
About CIAT

CIAT is one of Europe's leading names in cooling, heating, and indoor air quality. Renowned for its capacity to create innovative, durable and high-performing products, CIAT offers a complete range of equipment that is designed to work together. CIAT's latest innovations have been specially designed to meet the most demanding requirements. CIAT is part of Carrier Global Corporation, the leading global provider of healthy, safe and sustainable building and cold chain solutions.
For more information, visit www.ciat.com/en/eu/.

PICTURES



UV-C lamps installed at strategic points within the AHU enclosure flood vulnerable areas in high energy, cleansing UV-C light.



UV-C light quickly and effectively deactivates potentially harmful microorganisms due to its high energy and radiation wavelength.