

Smart Sterilizer Airstream



STAVIOR

By Cenaura Technologies



HVAC airstream sterilizer comes with advanced features and is designed to integrate with any air conditioning system and disinfect air on a continuous basis by removing all viruses, bacteria, fungi, pollen and other pathogens with remarkable efficiency and absolute discretion. It destroys virtually all captured microbes ensuring no further proliferation, providing thorough air sterilization in all kinds of indoor spaces.

Due to humidity and hospitable environment, microorganisms grow rapidly on cooling coils. Microorganisms form a sticky layer of organic matter combined with dust called biofilm, which sticks to the coil and results in poor heat transfer between the coil and air. This leads to reduced efficiency and higher power consumption. In this case, UVC on-coil is primarily used for keeping the coil clean and disinfected, where the UVC light falls on the coil and kills all viruses and pathogens.

- ◆ Achieves a kill-zone for microbial deactivation of not less than 99.9% per pass
- ◆ The airstream flowing through the duct is sterilized in the kill zone during the dwell time
- ◆ Can be installed in either horizontal or vertical orientation as per the dimensions and layout of the duct
- ◆ The design intensity of the lamp is based on the wavelength of 254nm and is ozone free
- ◆ The optional controller ensures the optimum life of the lamps through intelligent power management
- ◆ UVC intensity sensor installed on the frame or the vicinity to indicate UV index or absolute irradiance value

Effective Sterilization

Continuous cycle HVAC airstream sterilization
Sterilizes aerosol and surface bound pathogens
High power dosage to cover corners and shadows

Intuitive Experience

Deploy, manage, and monitor devices
Addresses danger of under-dosing
Eliminates human error

Powerful Zapping

Uses the most effective 254 nm wavelength
High pathogen kill rates of up to 99.9%
Rapid fluence rates for fast turn-around times

Sturdy Construction

Powder coated MS steel for durability
Quartz sleeves for lamp protection
IP65 enclosure for dust and humidity protection



Technical Specifications

Model No	UVC-HAS100
Short Description	HVAC Airstream Sterilizer Medium Duo
Dimensions (L x W x H)	50.4" x 5" x 3"
Power Rating (Wattage)	100 W
Power Source (Voltage)	230 V
Frequency	50/60 Hz
Fluence Rate	288 $\mu\text{W}/\text{cm}^2$
Lamp Life	9000 Hrs
Warranty	1 Year

Safety Controls

External lock and key to prevent unauthorized access

Quartz sleeve protection from dust, moisture and mercury

Motion detection sensor shuts the device down automatically

Certifications



ATAL INCUBATION CENTRE
CENTRE FOR CELLULAR
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