



VX-One AIR

UV-C AIR STERILIZATION



PM2.5	110
PM10	112
PM2.5	112
PM10	110

HOW DOES IT WORK ?

VX-One AIR utilizes an advanced array of high-precision air sensors which control a three-layer filtering system to provide safe and clean air. The unit operates the volatile organic compounds and fine particulate matter sensors to activate the filtering system which connects multiple layers:

1. The first layer cleans the air using a large particle filter.
2. The second layer sterilizes the air through a powerful UV-C chamber.
3. The third layer filters the air through a HEPA filter, providing complete and safe air sterilization.

What is UV-C?

Ultraviolet light, or UV-C, is invisible to the human eye and exists on the electromagnetic spectrum between X-rays and visible light.

UV light mutates and breaks down DNA at a wavelength of 2,537 angstroms. UV will break the molecular bonds within micro-organismal DNA, which produces thymine dimers. This process destroys them, renders them harmless, and prohibits their growth and reproduction. When the DNA is damaged, the organism cannot reproduce or cause infections.

HIGH PRECISION AIR QUALITY SENSORS



AUTOMATIC OPERATION

The VX One AIR supports an automatic and manual operation mode. The Automatic mode reads the VOC and PM sensors readings and automatically adjusts the filtering.

ADVANCED SENSORS

The unit incorporates volatile organic compounds (VOCs) sensors with advanced VOC Index algorithms and MCERTS-certified fine particulate matter PM2.5 and PM10 sensors, providing a real-time picture of room AIR quality.

SILENT OPERATION

A premium aluminum vibration-free ventilator provides silent (45db*) operation.

*under safe air quality levels and low power mode

POWER	UVC ON
POWER	20%
TEMP	23.7 °C
HUMIDITY	43.7 %
VOC	110
PM 2.5	12
PM 10	101

3.2" touch screen

ADVANCED 3-LAYER FILTRATION



1. FINE DUST F9 FILTER

Robust particle filter to catch particles sized 1 - 10 μm over a surface of 8 square meters.

2. UV-C 440W CHAMBER

8x – 55W UV-C lamps curved into a reflective aluminium maximize the air sterilization.

3. HEPA H13 FILTER

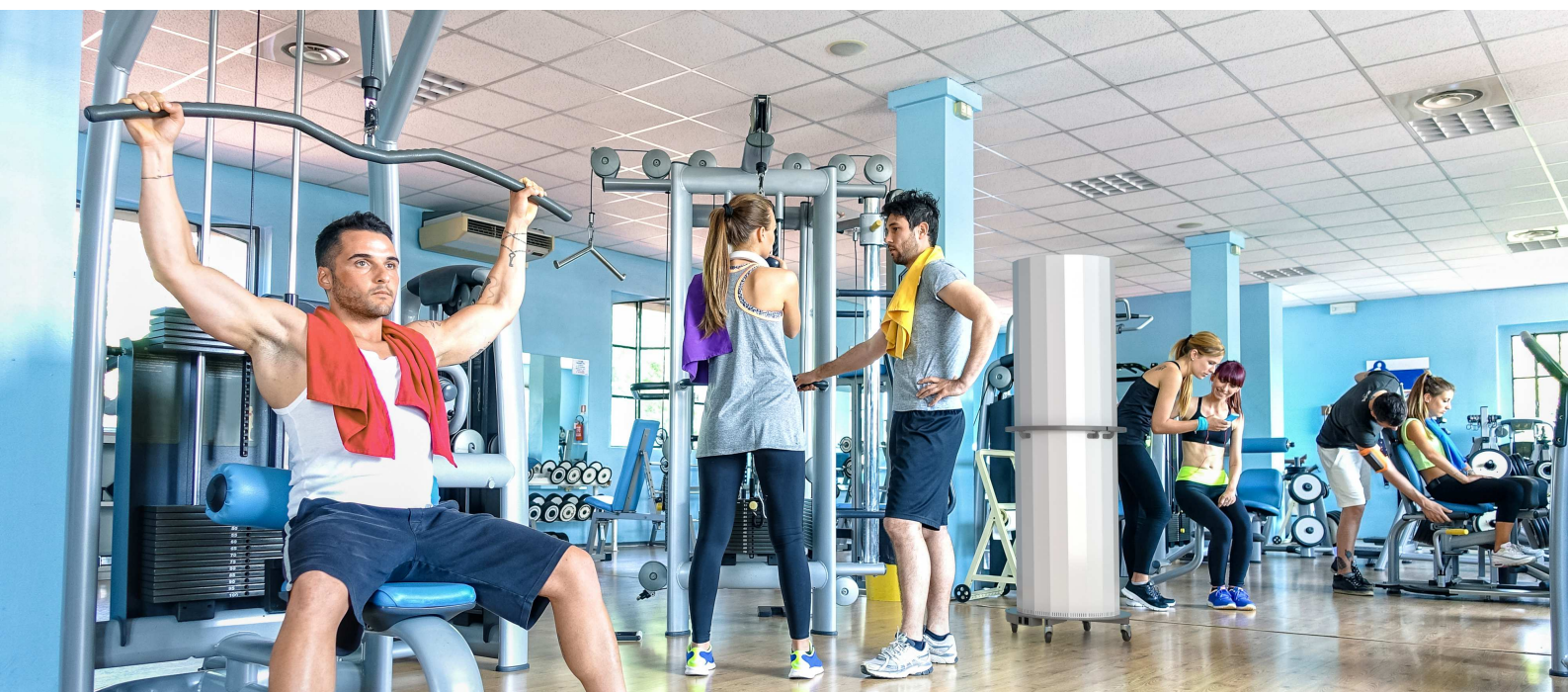
Ultrafine HEPA filter of particles sized $< 1 \mu\text{m}$ over a surface of 8 square meters.



ADVANTAGES



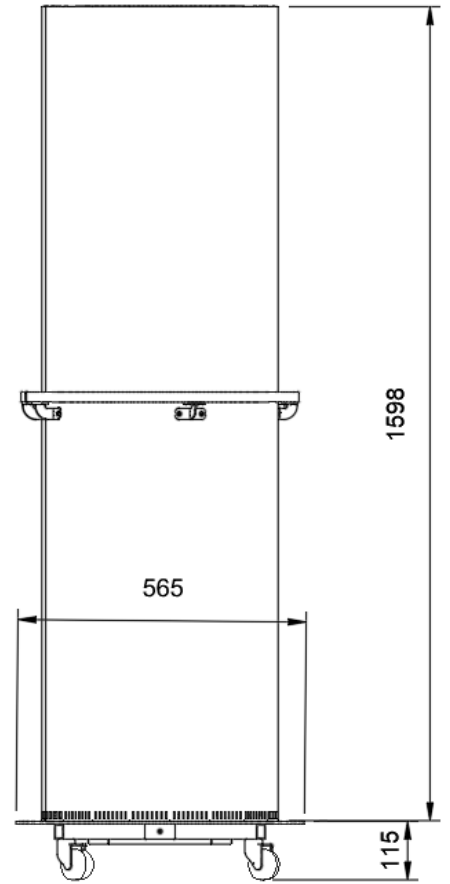
- Automatic operation mode based on AIR quality sensors
- Multi level sensing of AIR quality incorporating VOC, PM2.5, PM10, temperature and humidity sensors
- Completely sealed design enables UV-C air sterilization to be effective in any environment where people are present.
- Multi-level filtering system outputs pathogen-free air.
- Silent operation though vibration-free intake ventilation.
- Lightweight, aluminium design enables effortless movement.



TECHNICAL CHARACTERISTICS



Airflow (m ³ /h)	960
UV-C power (W)	440
Number of UV-C lamps	8
UV-C control (on - off)	YES
F9 filter dimens. (mm)	450x350x250
HEPA filter dimens. (mm)	450x350x250
Width (mm)	565
Depth (mm)	565
Height (mm)	1713
Power supply (V)	230
Max. consumption (W)	550
Weight (kg)	30



APPLICATIONS



Hospitality

- Hotels,
- Restaurants,
- Cafes,



Office Buildings

- Conference rooms,
- Offices,
- Halls and lounges.



Sport

- Gyms,
- Locker rooms,
- Sporting venues.



Education

- Schools, colleges and universities,
- Classrooms,
- Museums.



Exhibition rooms

- Meeting rooms,
- Waiting rooms,
- Customer service areas .



Retail

- Food stores,
- Clothing stores,
- Technical stores,
- Shopping centers.



Personal Care

- Hairdressing salons,
- Beauty salons,
- Spas.



Health

- Waiting rooms,
- Clinics,
- Pharmacies.

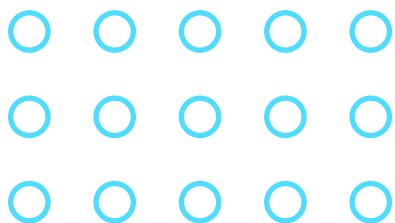


ABOUT US



With over 25 years of experience, UV Photons manufactures and develops premium handheld and mountable disinfection lamps, smart mobile disinfection units, and precision UV measuring equipment.

Made in EU.



web: <https://uvphotons.com>

email: info@uvphotons.com

phone: +386 69 920 544

