



# VX-One AIR

UV-C AIR STERILIZATION





# HOW DOES IT WORK ?



VX-One AIR utilizes a three layer filtering system.

1. The first layer cleans the air using a big particle filter.
2. Second layer sterilizes the air through a UV-C chamber.
3. Third layer filters the air through a HEPA filter. Providing a complete and safe air sterilization.

## What about UV-C ?

Ultraviolet light is a form of light, invisible to the human eye, that exists on the electromagnetic spectrum between X-rays and visible light.

UV light mutates and or breaks down DNA at a wavelength of 2,537 Angstroms. UV will break the molecular bonds within micro-organismal DNA, producing thymine dimers in their DNA, thereby destroying them, rendering them harmless or prohibiting growth and reproduction. When the DNA is damaged, the organism cannot reproduce or cause infections.

# ADVANCED 3 LAYER FILTRATION



## 1. FINE DUST F9 FILTER

Robust particle filter to catch particles of size 1 - 10  $\mu\text{m}$  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 particle size  $< 1 \mu\text{m}$  over a surface of 8 square meters.





# ADVANTAGES



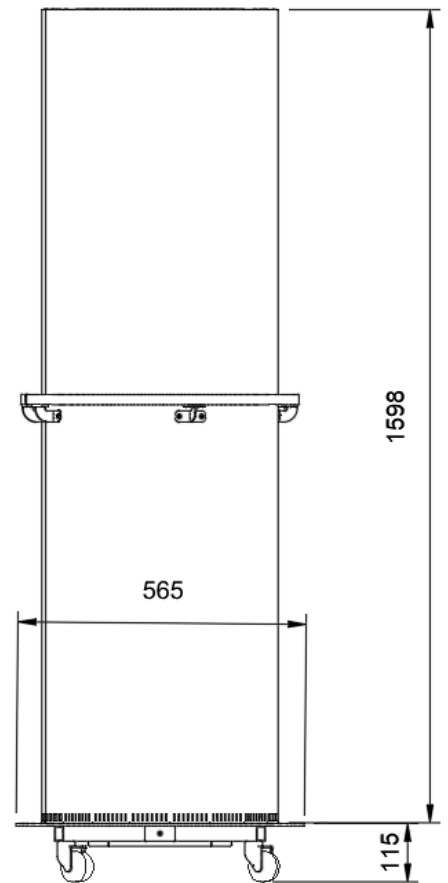
- Completely sealed design enables UV-C Air sterilization to work in any environment where people are present.
- The multi-level filtering system outputs pathogen free air.
- Multi-speed settings enable rapid air sterilization when time is of an essence.
- Light aluminium design enables effortless movement .



# TECHNICAL CHARACTERISTICS



Airflow (m3/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, lounges.



## Sport

- Gyms,
- Locker rooms,
- Sport halls.



## Education

- Schools, Universities,
- Classrooms,
- Museums.



## Exhibition rooms

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



## Retail

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



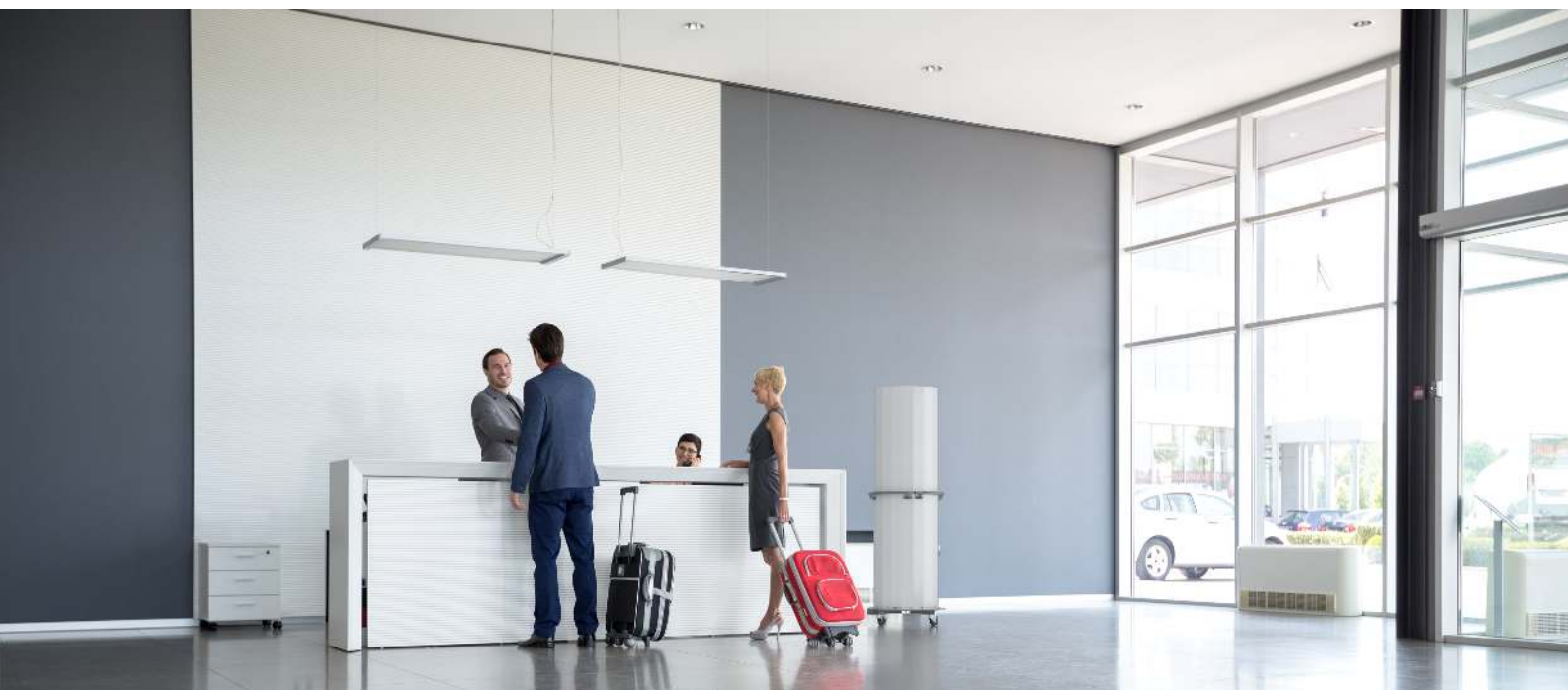
## Beauty & Cosmetics

- Hairdressing salons,
- Beauty salons.



## Health

- Waiting rooms,
- Clinics,
- Pharmacies.

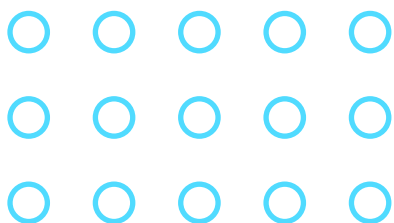


# ABOUT US



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.



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