

BASIC FEATURES

- Two-stage filtration: ePM1 55% (F7) and HEPA H14 (99.995% efficiency)
- Air disinfection by UVC ultraviolet radiation at wavelength of 254nm
- Airflow up to 1 000 m³/h
- Energy-efficient EC fans with low SFP
- Quiet operation
- Intuitive and simple control
- Easy installation, manipulation and maintenance

VIREX AIR antiviral air purifier significantly reduces the risk of airborne infection transmission in the typical indoor environment. It filters and disinfects the indoor air and removes from it viruses, bacteria, moulds, fungi and other airborne impurities. It is designed primarily for indoor environments, where groups of people meet, such as **classrooms, auditoriums, waiting rooms, surgeries, lobbies, receptions, open-space offices, fitness centres, small shops, bars, cafes, etc.**

The VIREX AIR delivers two of the finest purifying technologies – disinfecting UVC radiation and 2-stage filtration. Included in the purifier is a very quiet, efficient and powerful EC fan.

The first filtration stage (pre-filter) captures dust and fine particles, filter class ePM1 55% - ISO16890 (F7 according to EN779: 2012). The pre-filter primarily protects the internal parts of the device and prolongs its lifespan. The second filtration stage consists of highly efficient **HEPA filter of class 14** - EN1822, with **efficiency of 99.995%** for particles 0.1 to 0.3 µm.

Air disinfection is performed in the UVC chamber where **germicidal UVC emitters** provide a total power output of 120W, of which **48W is the pure UVC** ultraviolet radiation at a wavelength of 254nm. The spacious UVC chamber and vertical placement of the UVC emitters ensure high and consistent UVC exposure, killing viruses, bacteria and other living airborne microorganisms.

The filtering efficiency of VIREX AIR is significantly increased with air passing through the UVC chamber. 99.995% of micro-particles are captured by the HEPA filter, those 0.005% of micro-particles that might not be captured by the HEPA filter are already treated with a high dose of UVC radiation. Placement of the UVC chamber in front of the HEPA filter ensures that the surface of the filter is constantly treated with UVC radiation. The VIREX AIR is designed to prevent unwanted exposure of UVC radiation and the activation of the UVC emitters is directly dependent on the tightly secured service door.

The VIREX AIR antiviral air purifier is designed to be operated in a dry indoor environment with an ambient temperature in the range from 0°C to +40°C and with a relative humidity not exceeding 80%. The device is designed to convey air free of coarse dust, grease, chemical fumes and other contaminants. It is not intended for use in areas with a risk of explosion and increased risk of fire! The electrical protection of the unit is IP 40.



PRIMARY PARAMETERS

Basic technical parameters

Speed	Air flow [m³/h]	Voltage [V]	Frequency [Hz]	Power consumption [W]	Current [A]	IP	Weight [kg]
MIN	450	230	50-60	30	0,20	40	180
MED	720			70	0,40		
MAX	1000			120	0,60		
MAX + UVC I	1000			190	0,85		
MAX + UVC II	1000			250	1,10		

Acoustic parameters

Speed	Air flow [m³/h]	Acoustic power L_{WA} [dB(A)]	Acoustic pressure L_{PA} [dB(A)]*
MIN	450	47,5	29,2
MED	720	55,9	37,6
MAX	1000	62,2	43,9

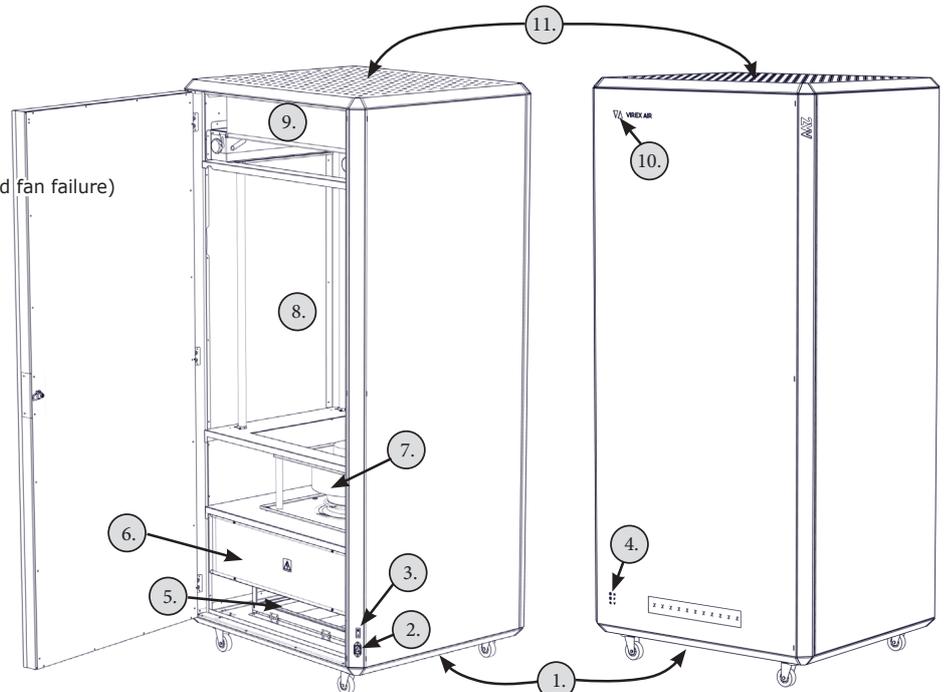
* Acoustic pressure values at 1,5m, Directional factor Q=2

UVC chamber parameters

Type Typ	UV-C Radiation [W]	Power consumption [W]	Lifespan [hr]
UVC I (first step)	24	60W	9000
UVC II (2st step)	48	120W	

MAIN PARTS

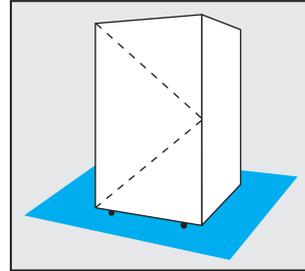
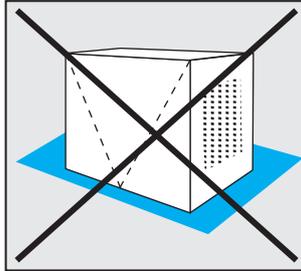
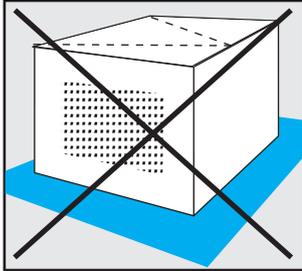
- ① Air inlet
- ② Power socket (power cable included)
- ③ Power switch
- ④ Warning signalization (clogged filters and fan failure)
- ⑤ Inlet filter ePM 1 55% (F7)
- ⑥ Wiring box (controls, sensors, fuse)
- ⑦ EC fans
- ⑧ UVC chamber with germicidal emitters
- ⑨ HEPA filter H14
- ⑩ Run indication
- ⑪ Air outlet



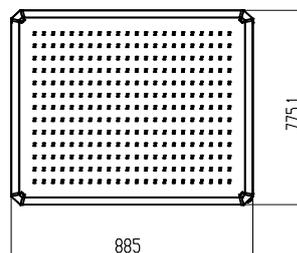
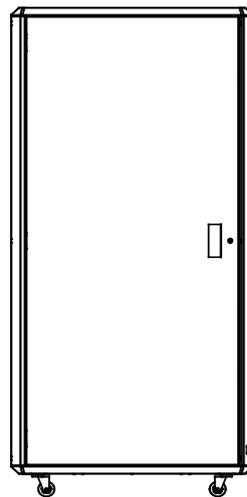
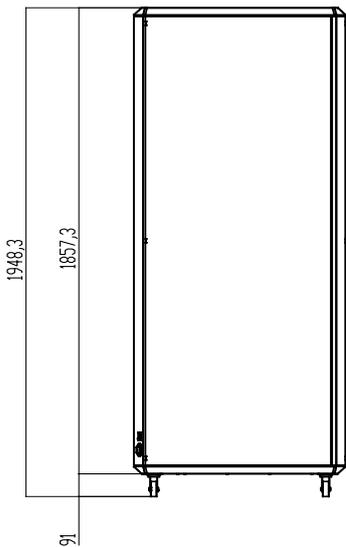
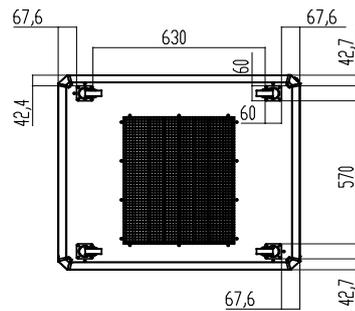


INSTALLATION AND ASSEMBLY

- The only possible working position is free-standing on secured castors wheels!
- Installation of the unit shall allow a sufficient access for performing maintenance, servicing, and dismantling operations.



DIMENSIONS





CONTROL

Overview of functions



Manual IR



Control of airflow in 3 steps



UVC level (OFF, LEVEL 1, LEVEL 2)



Filter clogged indicator



ERROR
Error indicator



ACCESSORIES

RECOMMENDED ACCESSORIES

Replacement air filters

Inlet filter ePM1 55% (F7 class)	Outlet filter HEPA H14 (Retention 99,995%)
APVA1-100-FI-F7	APVA1-100-FI-H4



APVA1-100-FI-F7

F7 - ePM1 55% (F7)
H4 - type HEPA14

FI - Filter

100 - Size of the air purifier

APVA1 - Spare parts for VIREX air

Replacement UVC lamps

Set of 4pcs UVC lamps	Single UVC lamp
APVA1-100-UVC-04	APVA1-100-UVC-01



APVA1-100-UVC-04

04 - Set of 4pcs
01 - Single piece

UVC - UVC emitter

100 - Size of the air purifier

APVA1 - Spare parts for VIREX air



KEY TO CODING

APVA1 - 100 S E-7 H14 U4-IR-0A0

