



SHAFIR TECHNOLOGIES

שִׁפִּיר טֵכְנולוֹגִיָּה

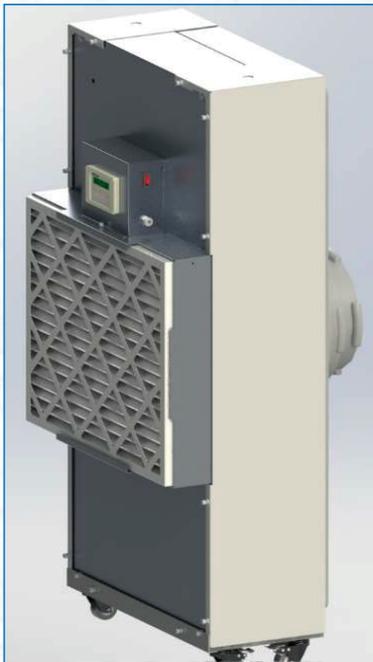
E-PURE 612

PROTECTION OF AEROCONTAMINATION (VIRUS AND POLLEN) BY ULTRA-FILTRATION - HEPA 99.999%

Main function

After the first wave of contamination and the end of containment, it is time to prepare to the next contamination. In addition to personal protective equipment (PPE), it will be necessary to foresee active equipment capable of channeling contamination and neutralizing it at source must be provided.

Thanks to our 50 years of experience and our mastery of aerocontamination, the manufacturer teams were able to develop an ultra-filtration and decontamination system for ambient air in record time; for a room up to 20m².



Absolute filtration (H.E.P.A) H14

The E-PURE 612 is an portable purifier equipped with a panel type, HEPA absolute filter, with a minimum efficiency of 99.999% for ultrafine particles (effective for viruses, pollen, and other particulate pollutants).

- anodized aluminum filter frame
- micro fiber filter media
- metal grid, epoxy coated
- one-piece gasket (closed cell neoprene) allowing absolute tightness as part of the enclosure.

Flow speed regulation on tac viewer

In order to ensure maximum safety, this purifier is equipped with automatic regulation, allowing to choose three different flow rate : high medium and low (stand by position). Thanks to very easy access, the HEPA absolute filter is easily replaceable. The lifespan of the filter is estimated between 3 and 5 years.

Functional principle

The air is sucked through a grid in a G4 prefilter(90% efficiency for 10µm particles) stopping dust and other medium sized particles. It is then guided to the filtration box (absolute filter) type HEPA H14 with an efficiency greater than 99.999% @ 0.3µm. A germicidal UV tube will continuously sterilize the filtration plenum in which all the fine particles carrying any pathogenic microorganisms have been trapped.

In other words, all germs (pollen, virus, coronavirus) are stopped upstream of the HEPA filter.

The capacity of the device allows the filtration (by the absolute filter) of the air; the equivalent of six recycles per hour for a 50m² room with a height of around 2.5m.

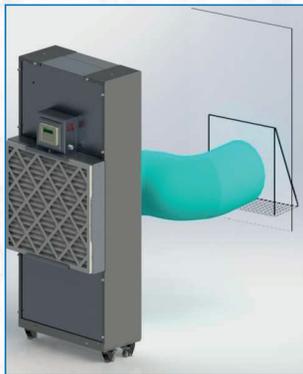
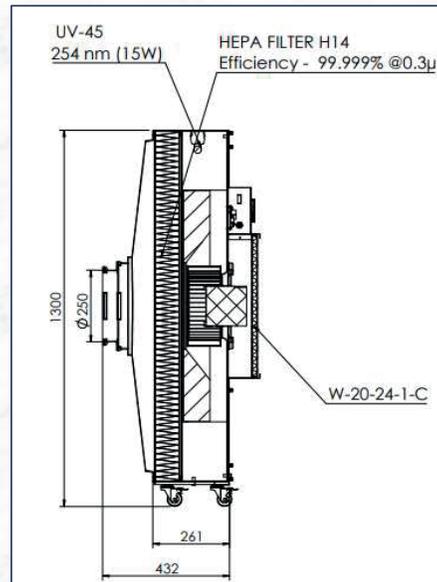
The ultra-filtered air comes out through the HEPA filter and contributes in addition to protecting the environment, to a continuous improvement of the air quality in the room. The filtration unit is effective for a space of up to 100 m².

COMPONENTS - cut below

- A G4 prefilter stops particles from 1 to 10 µm
- The H14 HEPA filter traps all particles (100% of possible viruses)
- Brushless motor (fan)
- Generation of ultra-filtered air. The local air quality is continuously improved

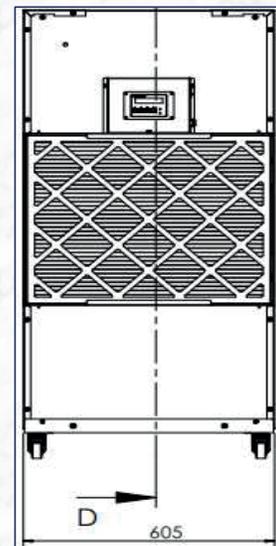
OPTION:

- UV disinfection lamp - Germicide 254 nanometers
- Plexiglass windows against rain to throw out using air. The unit is designed to be connect with a 250mm duct to exit air out the room after the HEPA filtration and UV lamp disinfection.



Technical specifications

Model	E-PURE 612
Voltage	220V - 50 hz
Power	700W
Air flow	600-1200m ³ /h
Sound level	52dB(A) at 50% flowrate
Filtration efficiency	99,999% @0,3µm
Dimension	605x350x1300 mm
Net weight	15,5kg with wheels
Prefiltration	G4
Filtration	H14



Detailed FFU measurements



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