

Technical Features

High-efficiency air purification and filtration unit with three stages of filtration:

- G4 (ZLM) pre-filter according to EN779 standard
- F7 intermediate filter according to EN779 standard
- H14 absolute filter with 99.995% efficiency according to EN1822 and sealed with polyurethane for 100% air filtration.

Innovative active OH technology which disinfect through a chain reaction both the air and the surfaces. Through Advanced Oxidation Processes (POA) they reduces up to 99.9% of pathogenic microorganisms (viruses and bacteria), improve air quality (reducing volatile organic compounds and suspended particles) and eliminate odors.

Kleenfan technology with photocatalytic disinfectant action fans. UV-A rays act on the titanium dioxide in the turbine generating Reactive Oxygen Species (ROS) that, through oxidation/reduction reactions, eliminate a wide range of organisms reducing them up to 99.9%.

Continuous recirculation of the indoor air through the three filtration stages guarantees air purification by capturing particles and pollutants such as: dust, pollen, spores, bacteria, viruses and fine particles PM10, PM2.5 and PM1.

It includes a cartridge filled with a hydrogen peroxide solution.

Self-supporting galvanised steel frame, prepared for recessed installation in false ceilings. Easy-access register panel for filter replacement. Easy to install and maintain, it does not have to be included in the ventilation system and can be installed in false ceilings or suspended with anchoring systems.

Suction and discharge grille (maintenance-free) integrated in a RAL9016-coloured frame. Other finishes available on request.

Double inlet centrifugal fan with EC external rotor motor with low noise level and very low consumption. Self-regulation to keep the air flow constant at 300 m³/h.

Double visual dirty filter alarm indicator by means of a differential pressure switch and empty cartridge detection.

Optional: ON/OFF control with constant flow regulation from 0 to 100%.





Airflow
(m³/h)

300



Consumption
(W/h)

61



Intensity
(A at 230V-50Hz)

0,7



Weight
(Kg)

32



Noise level
(dBA)

55

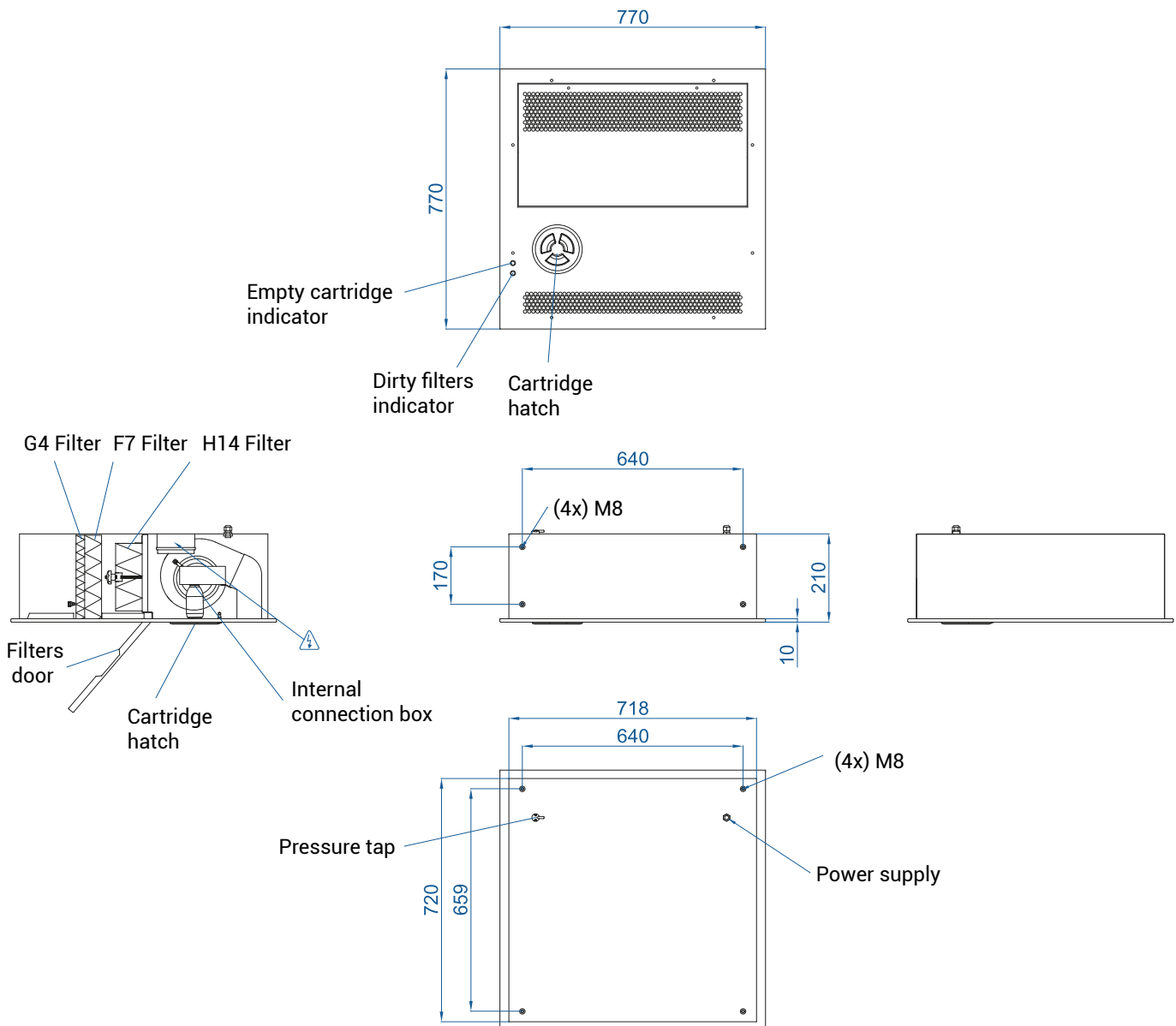


Range
(m³)

850

Dimensions

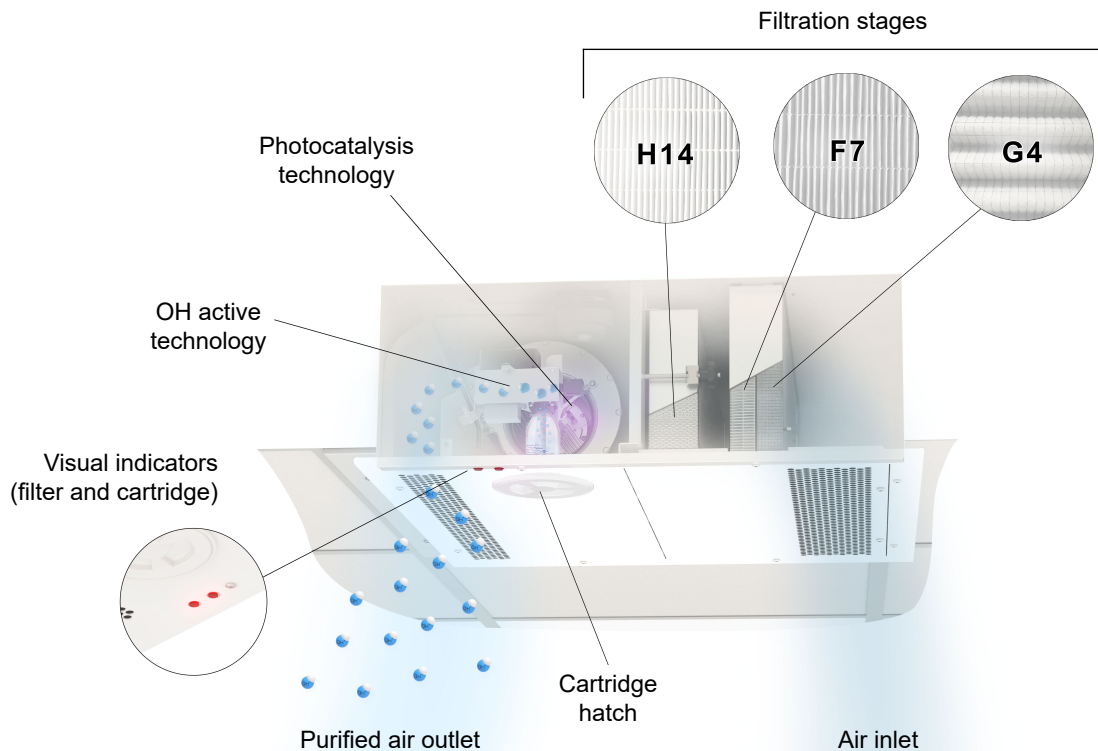
The device has a compact design with overall dimensions of 770 x 770 x 210 (mm).



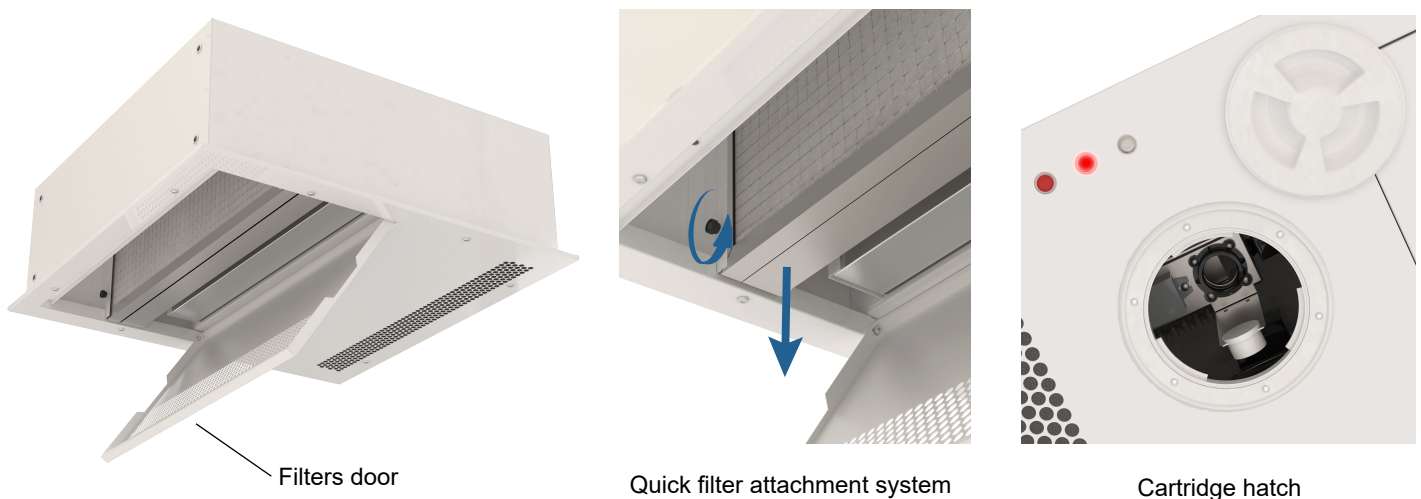
Functioning

Three air and surface purification and disinfection systems in a single unit. Air recirculation through a HEPA filter and expansion of hydroxyls thanks to active OH technology and photocatalysis fan guarantee a space free of pathogens and other volatile organic compounds that pollute indoor air.

The LED on the service panel indicates either the filter or cartridge change to be carried out to maintain the efficiency of the equipment.



Maintenance



Maintenance



The cartridge only needs to be changed every 3 months. The level of the cartridge is controlled by a sensor that will warn when the liquid runs out so that it can be replaced.

Additional Information

One of the technologies of the disinfection device is implemented with an ultraviolet ray emitting LED which, as it is inserted inside the housing of the unit and uses low intensity powers, is completely harmless to humans, because its incidence is not direct on living beings, but on the titanium dioxide coated fan.

According to UNE-EN 12198 the K7 is classified as category 0 but for the information of users and maintenance team its been identified with category 1 label.

Classification of machinery according to emission levels (UNE-EN 12198)

Category	Restrictions and security measures	Information and training
0	No restrictions	No information required
1	Restrictions: limited access, security measures may be necessary.	Information on hazards, risks and side effects
2	Special restrictions and essential security measures	Information on hazards, risks and side-effects; training may be needed

Source: Spanish Normalization UNE-EN 12198



Optical radiation emission
Category 1
(EN 12198)