



HEPA & UV Mounted Air Filtration Tower

The new Model:SEAFUV20 floor mounted air filtration system involves no installation. The units are just wheeled into the required area, sit on the floor and run from a standard 13amp mains socket. These units can be utilized to improve the air quality in virtually any situation, thus reducing airborne contamination.

The unit is fitted with Blower RPM controller which controls the fan RPM from 50% to 100%. At 100% capacity the unit will filter up to 50000 CFT (48" X 24" X 4" HEPA) of air per hour through an H14 HEPA filter rated at 99.997% efficient at 0.3microns. The filtration Tower can operate by "**Wireless Remote Control Device**".

Construction: -

Saarc's Floor Mounted Air Filter Module are basically constructed out of Plastic wood /PVC Fiber/SS 304.

Air flow and filtration: -

Floor Mounted Air Filter Module involves double filtration of atmospheric air. The atmospheric air is drawn through pre-filter and is made to pass the Air through highly effective HEPA (High efficiency particulate air) filter having efficiency rating as high as 99.997 % down to 0.3 micron thus retaining all airborne particles size of 0.3 micron and larger. Double filtered air blows at a designed velocity of 90ft/min \pm 10%. The filters are made of U.k/U.S.A/JAPAN/GERMAN/ITALY.

Blower motor assembly: -

Statically and dynamically balanced, direct drive Blower is designed to provide adequate air pressure over the entire surface of HEPA. The motor blower operates with minimum noise level i.e. lower than 65db and the vibration is less than 2.5um.

U.V. Tube light assembly: -

The UV-C tube light tunnel is assembled in the Air filtration tower, the size of the **UV-C tunnel is 9ft** and the Air Passes through the UV-C Radiation tunnel to assure almost 100% microorganism free working area. Numerous health studies have shown that **UV-C light** very effectively inactivates viruses, bacteria, mold, mildew and fungi by breaking down their DNA or RNA. **UV-C light** also is helpful in prevention of secondary allergies related to airborne allergens.

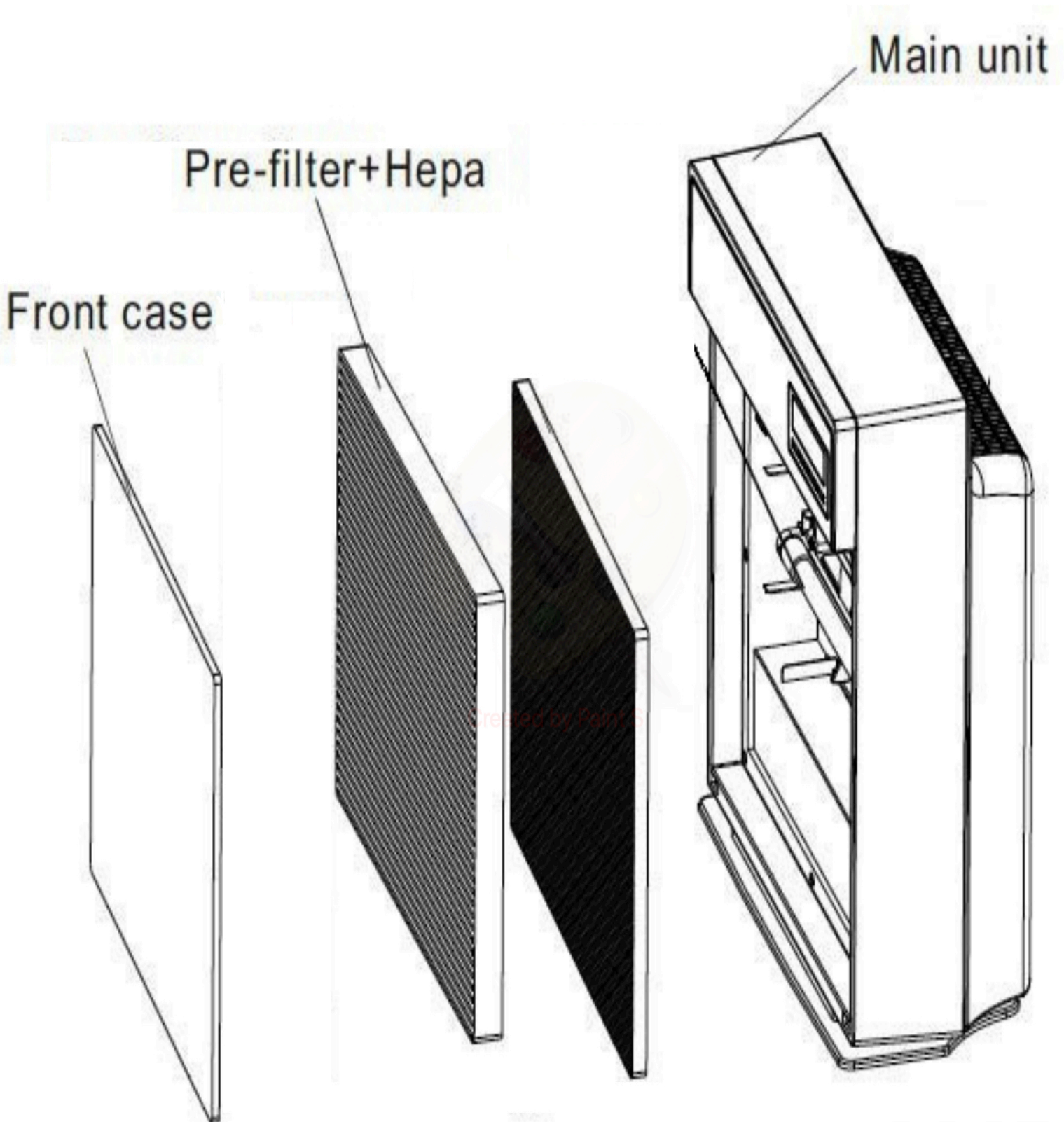
Power requirements: -

220volt, single phase, 50/60HZ AC supply, watt 250/375/750

N.B.: We will cover a warranty period of one year from date of installation for the above machinery (This warranty will not cover the electrical appliance).



Concept of HEPA & UV Mounted Air Filtration Tower





304, Stainless Steel Pipe in side each tunnel to protect the degeneration of the total Air filtration tower

Double Layer (S.S. & U PVC) 9Ft UV tunnel constructed in side the Air filtration tower



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