

AERO CARE- DS500

Extra Oral Dental Suction Unit



Aero Care DS500 is an Extra Oral Dental Suction Unit developed for Dental Doctors to deal with the Covid 19 challenge. Designed to have a filtration efficiency of 99.999% down to 0.3 micron particles, guarantee 100% leak-free filtration to ensure safe recycling of air inside the conditioned room. Unlike many other similar machines, AERO CARE DS 500 has a TRUE HEPA made up of micro-fine glass fiber filter media .

The suction unit is made up of 6mm PP sheet, welded construction to ensure strength and corrosion resistance. Each unit is equipped with a 300cfm centrifugal fan and a rigid but flexible suction duct 75mm diameter with a hood attached for the suction of aerosol and other contaminants. Aero Care DS500 is carefully designed to meet the needs of an extra oral suction considering all risks associated with pandemic situation. The special Hydrophobic Pre-filter prevent water particles going to the HEPA and enhance the life of HEPA Filter. The TRUE HEPA made up of micro-fine glass fiber filter media, delivers absolute efficiency throughout the life of the filter unlike electro-statically charged synthetic media HEPA. Aero Care DS500 unit implement a special technology of fixing filter to ensure 100% leak free operation of the HEPA and no air bypass around the filter. Each suction unit is having a sterilization chamber below the HEPA Filter which destroys the pathogens collected in the HEPA utilizing a high quality UV-C lamp . Being mobile the unit can be moved from one place to another.

- H14 / 99.999% HEPA (99.95% @ 0.12 micron)
- Special Hydrophobic Pre-Filter to deal with wet aerosol
- UV-C sterilization
- 500 m3/h centrifugal Fan
- Flexible suction duct with hood
- Each machine individually tested for leakage before dispatch
- Testing and Validation of HEPA at site against request
- Movable Unit equipped with wheel



Specifications

Model	Aero Care DS500
Unit Size (mm)	440 x 400 x 850 (L x W x H)
Unit Weight	22 Kg
Voltage	AC 220V / 50 Hz
Power	600W
Suction Rate	300 CFM
Filtration Efficiency	99.999% down to 0.3 microns
Stage 1 Filter	Aero Hydropleat
Stage 2 Filter	Aero HEPA LFA GS, H14
Stage 3	UVC Lamp
Stage 4	Centrifugal Fan
Noise Level	63 db

Manufactured by:

Envirotek Technologies Pvt.Ltd. 53/1 Motilal Nehru Road, Kolkata - 700029- [An Aerofil Group Company](#)

Marketed By:

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