

Anand[®] AEROSOL SUCTION UNIT

It's in the air
get rid of invisible infections & viruses



CONTROL AEROSOL DURING DENTAL TREATMENT



99.99% clean air
Filter efficiency



Can be
rotated 360°

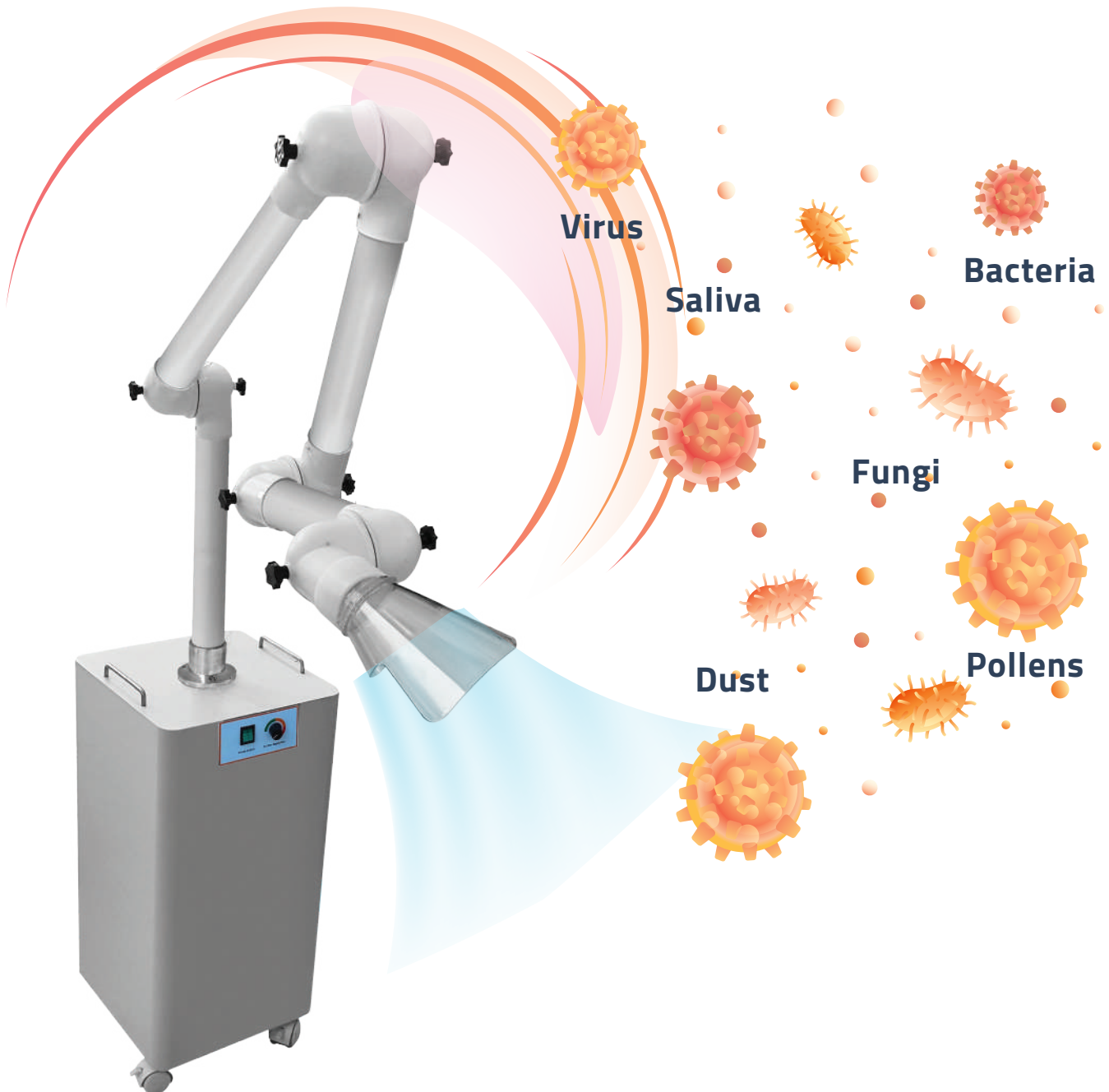


Reduce risk of
cross infection



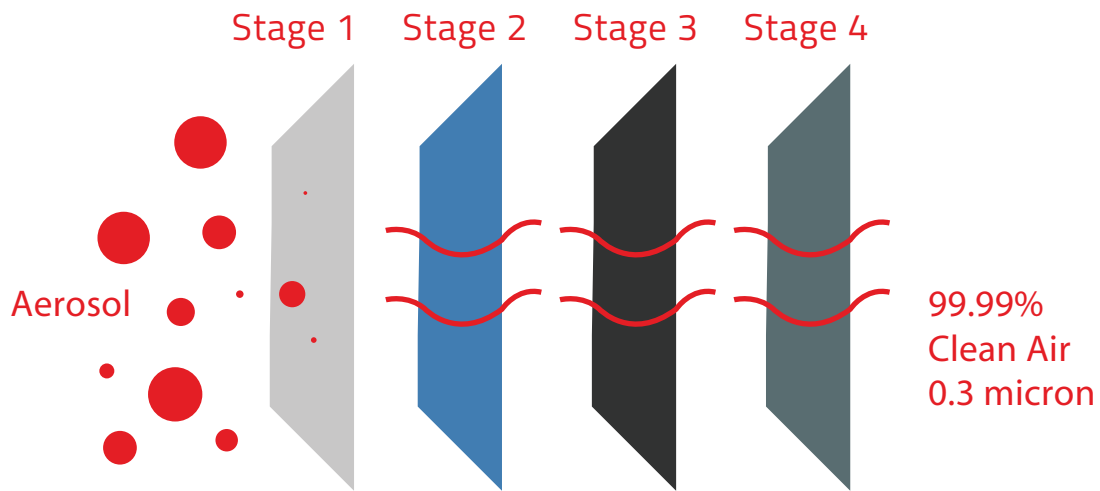
ANAND MEDICAIDS PRIVATE LIMITED

Protect during a dental procedure from



- Protection from AEROSOL Transmission
- Reduced risk of cross infection between Doctors & Patients
- Equipment in dentistry generate water mist which carry infection

Activated Carbon filter + HEPA Filter + UV-C Light + Plasma Ion Generator



1

Pre Filter
Reusable/Washable

2

Carbon Filter
Reusable/Washable

3

HEPA Filter
Disposable

4

UV Filter
Class-C

Filters of Aerosol Suction Unit

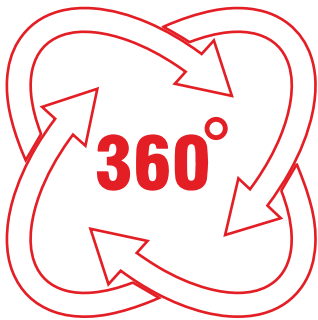
Activated Carbon Filter: This is the filter for basic filtration of sucked air dust particles, hair etc.

HEPA Filter: This filter is for effectively filtration of ultrafine particles upto 0.3 micron meter. The filtration efficiency is upto 99.995%. These filters are very durable.

UV-C Light: The built-in UV-C light of wavelength 254nm and intensity kills all bacteria & virus by destroying the genetic material.

Plasma Ion Generator: Then Plasma ions (positive ions and negative ions) plays most important role in deactivating and killing the small microbes and virus by sticking to their surface.

AEROSOL SUCTION UNIT



The suction arm has **360°** of rotation at the base where it connects with the unit.

Easy to use

The suction arm stays in position while working on patient & allow convenience

99.99% clean air 0.3 micron filtration capacity

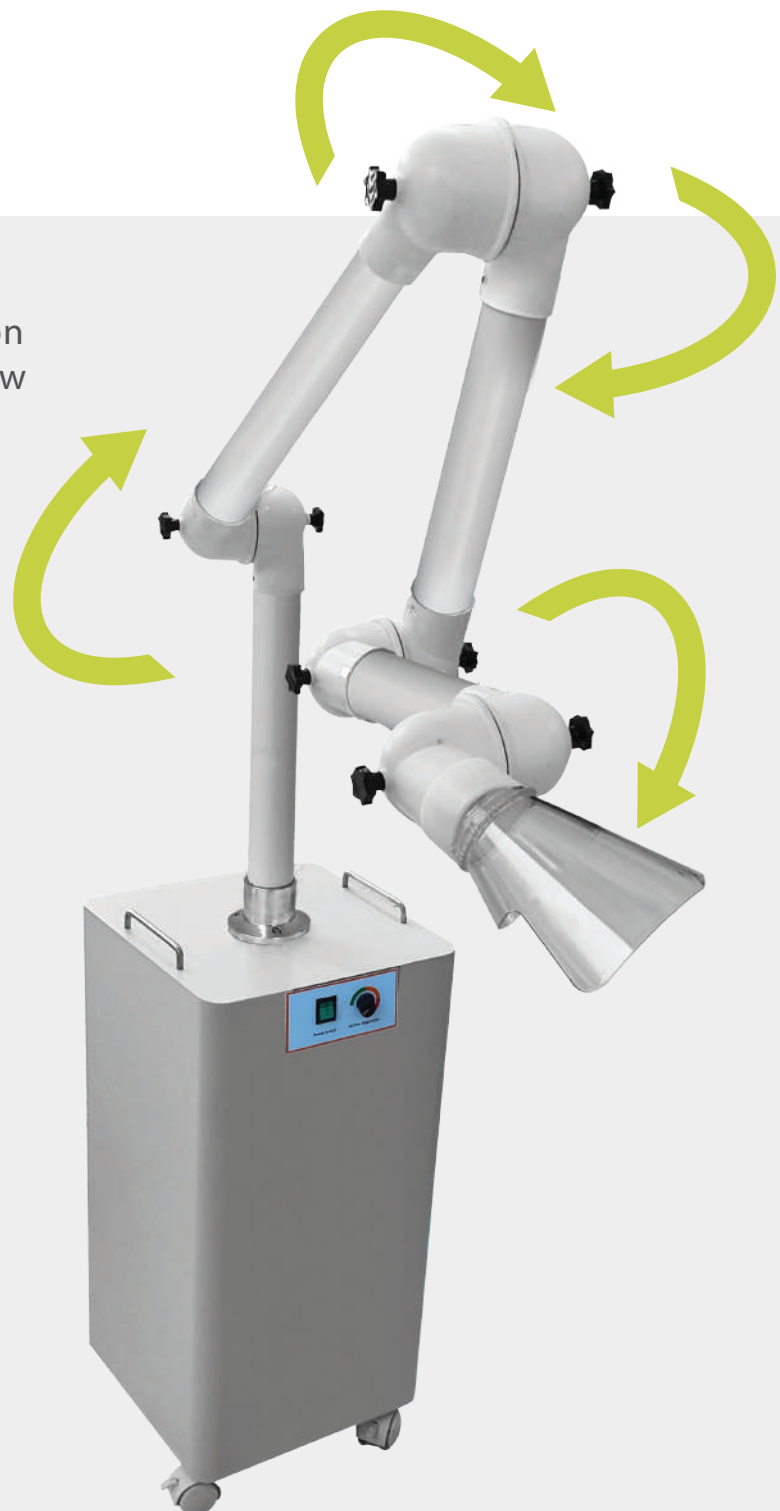
The suction has HEPA13, activated carbon, UV C filter to increase efficiency upto 99.99% of filtration

High Aerosol Aspiration Capacity

The suction has Aerosol Aspiration capacity of 3,000 L/min

Very Low Noise Level

This suction generates very low noise for comfort of both doctor & patient



Technical Data

Powerful motor of 1200 watt

Voltage/Frequency: 50-60 Hz
or AC 220-240 V

Suction rate / wind pressure:
3000L/min at 5KPA

Noise: ≤ 65 dB

Works upto 5 hours continuously

Dimension: 325 x 325 x 760 mm

Weight: 30 Kg

Tube Length: 1.4 meter

Tube Diameter: 50 mm

High negative pressure from ≥ 10 Kpa

UV Lamp power: 6W UVC

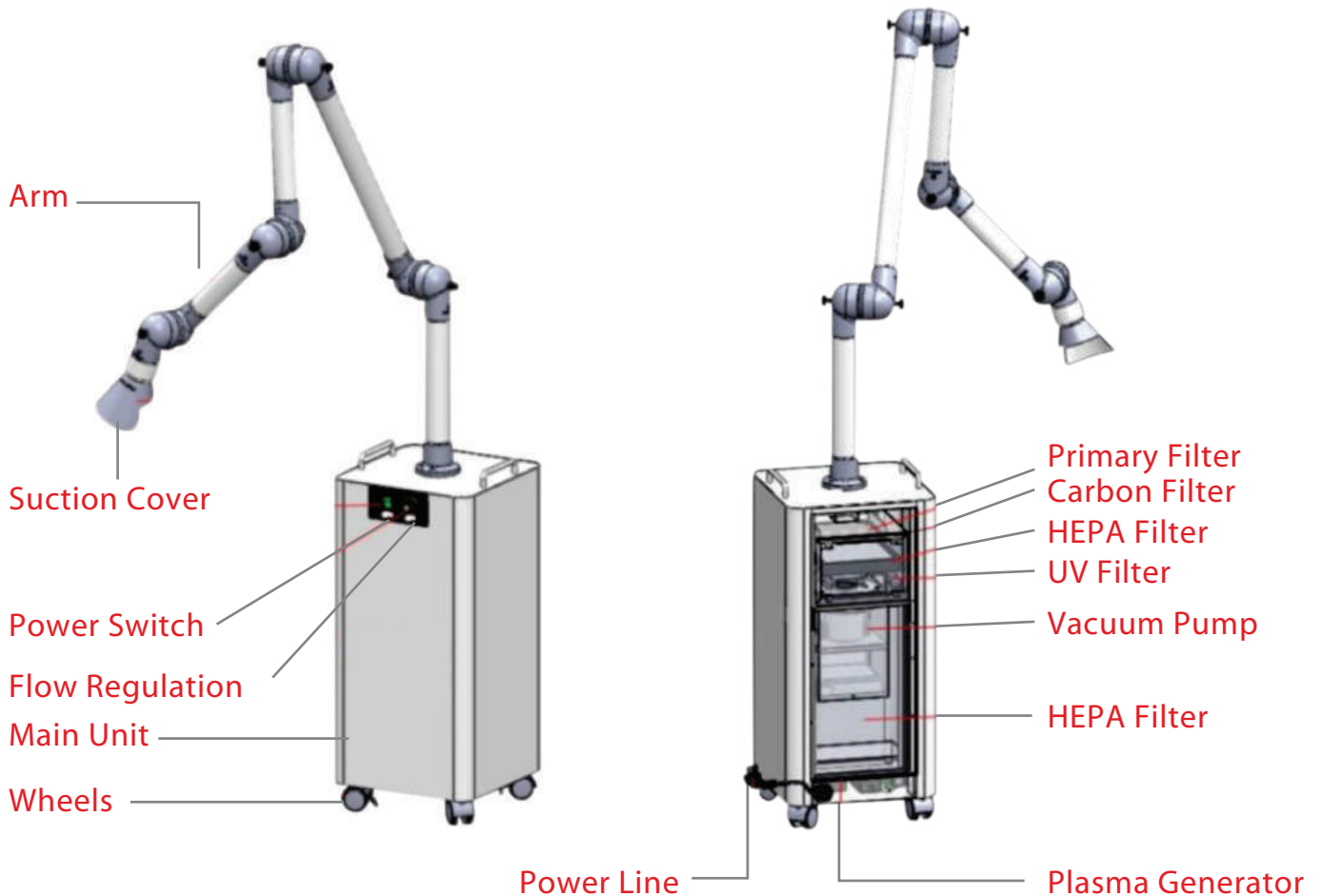
Filter level: HEPA-13 (Duel HEPA,
Carbon Activated)

Plasma Ions: 100 million/mm³
(-ve), 80 million/mm³ (+ve)



Aerosol Suction Unit

to get rid of invisible infections & viruses



How Aerosol Suction Unit is effective for preventing infections?

Aerosol Suction Unit provides 99.99% air filtration. It has capabilities of filtering up to 0.3 μ meter. It has plasma ion generator that deactivates and kills the small microbes and virus and provides clean, sterilized air in the operating area. So Aerosol Suction Unit is very useful in wake of COVID-19 or SARS COV2

AEROSOL SUCTION UNIT

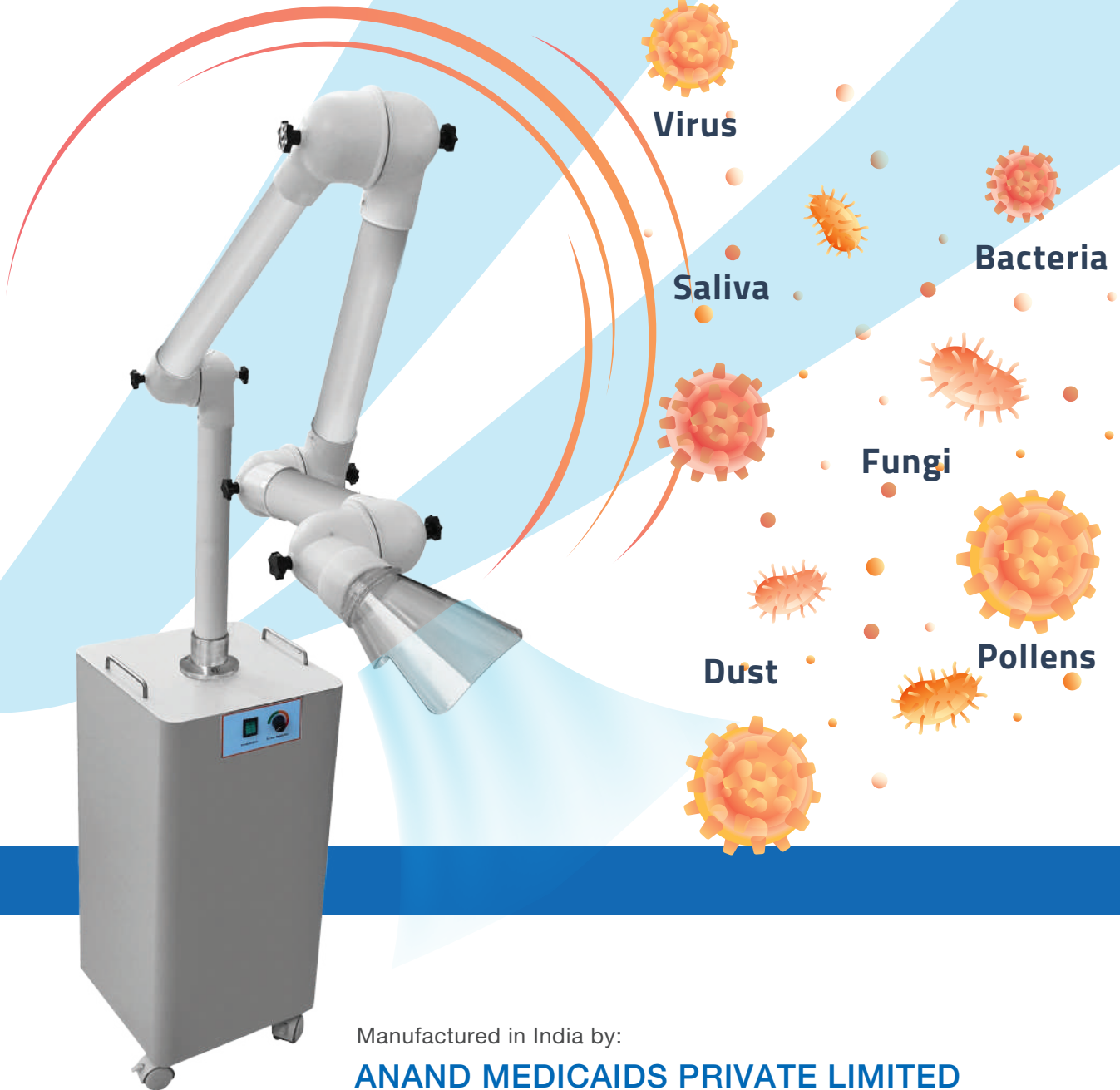
- How this is useful during Covid19 outbreak or novel corona virus SARS CoV2?**
 The dental practitioners always stay at risk as the infection transfers mainly due to saliva, blood and other bodily fluids during different dental procedures which requires the use of high speed handpieces those generate aerosols. Aerosol Suction Unit removes these aerosols to prevent cross-infection between the doctors and the patients and provides a contamination free & dry air.
- What is the accuracy of Aerosol Suction Unit?**
 Aerosol Suction Unit provides 99.99% air filtration. It has capabilities of filtering up to 0.3 p meter. It has plasma ion generator that deactivates and kills the small microbes and virus and provides clean, sterilized air in the operating area. So Aerosol Suction Unit is very useful in wake of COVID-19 or SARS
- Why filtering is so important? Only suction is not enough?**
 Suction of dental aerosol solution is just one part of the system. The clinic has closed environment with air-condition installed in it. If the aerosol is sucked from one part of the room and left to the other part the problem still there. That aerosol mist is needed to be filtered before it leaves. That is why filtering plays a vital role in these systems.
- Can Aerosol Suction Unit filter virus?**
 Aerosol Suction Unit has HEPA 13 filters which filters up to 0.3 p meter. Bacteria & virus of different sizes remains suspended in the air in droplets of aerosols. These droplets can easily be filtered by Aerosol Suction Unit. Also these viruses can be destroyed with UV-C light & plasma ion generator to provide clean and contaminated free air.
- Extra oral suction were not used before, then why now?**
 Extra oral suction were used before also in few clinics, but after breakdown of this novel Covid19 pandemic, this is now a much needed device for dental practitioners, to maintain a clean, hygienic environment for the patients and themselves, also can perform every dental procedures without any interference.
- How much space does Aerosol Suction Unit acquire?**
 Aerosol Suction Unit is a portable device with wheels; it can be floor mount & has dimensions of 325mm x 325mm x 760mm. It can be easily placed near any dental chair and can be used. It doesn't need any extra space in a dental clinic.

- During a dental treatment, Dental aerosol is produced from dental equipments like ultrasonic scalers, dental handpieces, three ways syringes and other high speed instruments.
- The Dental Aerosol is contaminated with - bacteria, fungi, viruses, skin, blood, saliva, abrasive particles and so many other things.
- The Extra Oral Suction helps in controlling aerosols based viral and microbes transmission by sucking all droplets and mist product.



Aerosol Suction Unit

to get rid of invisible infections & viruses



Manufactured in India by:

ANAND MEDICAIDS PRIVATE LIMITED

Regd. Office:

No.16, Road No.33, Punjabi Bagh Ext. New Delhi-110026, INDIA

Works: 1460 M.I.E, Bahadurgarh,
Haryana-124507, INDIA

Phone: +91-11-25225225, 25229206, 25225062

Email: sales@anandind.com



www.anandind.com

