



Instructions Handbook of Corpus Maxi AERO VAC® Extra-oral Aerosol Suction System for Installation, Use and Maintenance

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1. Introduction

Please read this handbook carefully and completely, before installing, using, maintaining and cleaning the equipment.









Please keep this handbook in a suitable place so that it is always available for consultation.

Important: In order to avoid injuries and failure of the equipment read “Security Warnings” carefully.

Security warnings are classified as below:

DANGER : Risk of injury for users

WARNING : Risk of damage for the equipment

	Attention / Warning / Danger
	Danger, High voltage
	Hot Surface
	Biological Hazards
	Warning / Automatic Start and stop
	Attention / use gloves at this area
	Please use and read technical and user book
	Human will use
	Ground
N , L	Notr ve Phaze

The following presentation aims at illustrating the equipment to users; it also aims at explaining installation, use and maintenance as well as the dangers with precautions.

2. Description of the Equipment

The Corpus Aero Vac Aerosol Suction systems continuously aspirate the contaminated aerosol which has been occurred and scattered during dental treatment. The aerosol consist of blood, saliva, dentin and a variety of filling materials.

The contaminated aerosols that are accumulated in the mouth of patient during operations by means of its powerful motor, therefore Dentists use Corpus Aero Vac to avoid the risk of contamination from the aerosols that are spread out from the patients' mouth is minimized for dentists.

DC Motor, Filter group (Coarse / Activited carbon and HEPA) , suction tube, Corpus flexible arms, ionizer air purefier, UV-C Lamp, electronic and speed control system with high isolated cabinet are the most important parts of all. Unlike many widely used vacuum systems, Corpus Aero Vac systems' high suction power comes from the powerful motor.

3. Intended Use

The intended use for the Corpus Aero Vac high vacuum systems is sucking all aerosol which has been occurred and scattered with removing the filling materials, waste measurement materials, dentin, saliva, and blood, as well as water sprayed from the tools. The equipment is designed for dental and medical operations.

4. Security Warnings

Corpus Vac is not responsible for injuries and damages that are caused by the circumstances mentioned below:

*If the equipment is operated for any other purposes instead of its intended usage

*If the equipment is not used in compliance with this handbook

*Look at 3, 4 and 5

DANGER: The equipment has to be operated by the dentist or his/her assistance who read this booklet. When operated appropriately, it does not have any side effects.

DANGER: The equipment should not be operated other than its intended usage.

If it operated, it would harm patient, dentist or the equipment.

DANGER: In order to prevent patient, dentists or assistance from contamination, maintenance procedure stated under the sixth headline has to be read carefully.

DANGER: Only original Corpus Vac parts should be used if it is required.

DANGER: Do not locate the equipment any place where there is a possibility of explosion.

5. Packaging and Delivery

Corpus Vac high vacuum systems involve electronic systems, so it can be damaged by shocks even if it was in its package. In order to prevent any undesired situation, carrying and storage process has to be done very carefully.

All Corpus Vac products are controlled after production and before packaging.

6. How to carry the Corpus DIRECT® Semi wet Suction ;



Fig.1



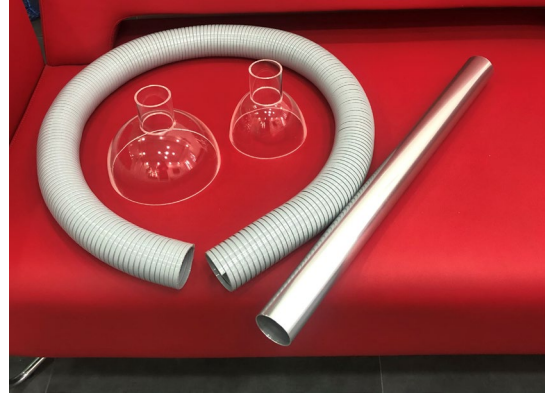
Fig:2



The package is compact and strong. Please carry to be correct. The top of pack must be at above. After opening the pack ; The unit has ergonomic and strong handle at the two side of cabinet.(Fig:2) You can carry the unit by to hold from this handle at two side. Please don't return the unit up side down.

7. Installation

Please open the box and take the device on its wheel. (and lock the wheels for installation)



Body and Accessories of the Aero Vac

Insert the metal air tube into the suction hood on the cover of AERO VAC.

Please fit to the Corpus flexible suction arm on the metal air tube until the hood.



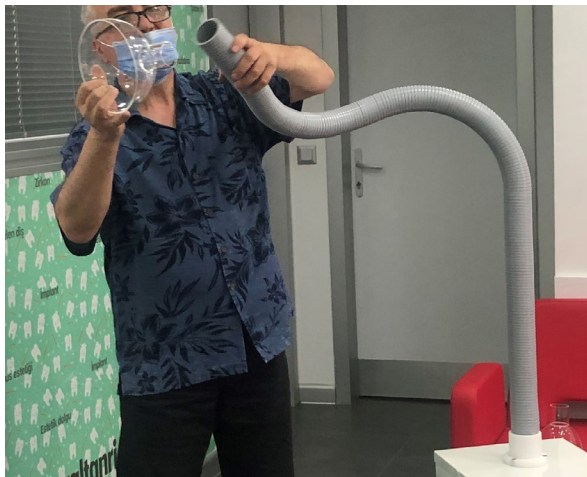
Please grab the flexible tube strongly by one hand and turn the next part of the tube to right side. Please go on to tie the tube interlocking system until to see the tube will come tight, rigid and hard by each turning.



You will see the tube's interlocking system will make the tube, rigid, harder and stronger.



After that please fit to plexy suction hood (small or large size) to the flexible arm directly to tie to the interlocking tube by same way.



Please plug the power cable to the power socket back side of cabinet and switch on the Aero Vac by main switch with green LED.



The system will work by switch on and suction will start. **(If the speed control buton is zero position vacuum will not start.)**

When you turn the speed control buton to right direction motor speed and vacuum power will increase.



CHANGING OF THE FILTERS :

Please see Corpus AERO VAC high efficiency filter group.



ATTENTION / WARNING : Please use gloves when you open the lid checking of the filters / changing of the filters

Please open the lid by untie the lock which are located on the two side and take the filters out of the cabinet.







Please insert the new filters to the just center of the bottom of the AERO VAC cabinet.

Please close the lid by the lock and re install the air tube and flexible suction arm.



LABEL OF Corpus MAXI AERO VAC :

Model of theEupment	CorpusVacMaxi AERO VAC
ProductionDate	
Seril No	
Information	<p>Please see user & installation manual book.</p>  <p>ISO 7010 -M002</p>
Motor Power	1000 Watt / 50 Hz / 60 Hz
Voltage	230 V / 50-60 Hz
Fuse	10 A-250V RoHS/Glass Fuse /Fast Blow / 5x20 mm
EquipmentType	 <p>TYPE B (IEC 60417 – 5840)</p>
Total weight/ Wheelcapacity	30 kg (NET) – castor /wheels capacity is 80 kg.
ProtectiveGround	 <p>IEC 60417 - 5019</p>
Manufacturer	
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Corpus Maxi AERO VAC EXTRA ORAL VACUUM SYSTEM Technical Data

Model	Corpus Maxi EXTRA ORAL AEROSOL VACUUM SYSTEM
Voltage	104 – 127 V or 208 – 254 V
Frequency(Hz)	50 - 60 Hz / 1.000 WATT
Body Size / Type (W/O ARM)	H: 67 W:30 D:30 (with suction hood without suction tube. Mobil body by soft silicone castor / Arm length is 140 Cm.
Weight	30 Kg (app.) without box
Motor Power and Type	1.000 watt / Brushless DC Motor
Current Consumption	10 Amps
Motor Capacity (Air)	50 liter air / Second
Motor Speed (rpm)	Speed regulated motor (speed control system)
Motor vacuum pressure	- 190/230 mbar (+/- 10%)
Noisy level	App 65 dB by medium speed, 74 db by high speed at one meter by isolated cabinet)
Filter step and type	Coarse + Active Carbon and HEPA (three in two different frame)
UV Lamp type / technology	Special technology UV-C Lamp, Wavelength 254 nm / Working life 10.000 hours
Last step of air purefy	Plasma Sterilization
Vacuum Arm Hose Diameter	Standart: 50 mm / Special type flexible tube.
On/Off Type	Rocker on/off switch with speed control
Color /Surface & paint type	9016 WHITE / Electrostatic powder painting
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