

High performance,  
maximum hygiene,  
ergonomy and comfort  
by Corpus Vac<sup>®</sup>

[www.corpusvac.com](http://www.corpusvac.com)

**Corpus Vac<sup>®</sup>**  
Vacuum System and Equipment



# Maxi



- Maxi with **MANUAL DRAINAGE**
- Maxi with **AUTOMATIC DRAINAGE**
- Maxi with **SPITTOON**

# Maxi

## Maxi with **SPITTOON (NEW !)**

- Corpus Maxi is a dental high vacuum, surgical aspirator, suction and saliva ejector for dental clinics and treatment rooms.
- Installation of Corpus Maxi does not require any special equipment or assistance. It needs a city electric and waste water line (If the Maxi with manual drainage does not require waste water line also)
- Maxi is designed to facilitate all type of dental treatments such as surgical, implant, orthodontics with its permanent powerful suction ability.
- Maxi has two type system; Maxi Automatic and Maxi Manual.
- Maxi can be easily located next to dental chair by the help of its wheels. Maxi with MANUAL DRAINAGE can be moved from one room to another room without any technical support.
- The vacuum motor is the one of the fundamental parts of Maxi is produced by using high

technology. The motor can work 8-10 hours continuously. It is protected by electro thermostat.

- The vacuum motor aspirates 1300 liter air in a minute and cools quickly after very long working periods.
- Automatic type of Maxi does not require manual discharge. It directly discharges waste to sewage by using its automatic discharge motor.
- Maxi both reduces the noise level and eliminates aerosol contamination by the help of its exhaust system.
- Maxi is hygienic perforations provide necessary air ventilation that minimizes the sound and heat level during long working periods.
- Automatic cannulae system consist of two changeable hose and three diameter universal suction tips. The cannulae center has also a filter which prevents big particles from blocking the inner and outer system.

- Our new model Maxi with spittoon was produced for the other needing of the dentists during the operation.
- The Maxi with spittoon has a most hygienic full ceramic monoblock bowl against asepsis. It can be cleaned so quick and easy.
- The bowl has automatic bowl rinsing and glass filling systems by finger control.



Maxi AUTOMATIC



Maxi MANUAL



Maxi with 4 lt tank



Cannulae Center

# Midi



# Midi

- Corpus Midi is the compact, handsome member of Corpus Vacuum system and equipment. The unit is designed to serve one or two surgery by strong vacuum power.
- Midi is manufactured under Corpus Vacuum's quality control and in accordance with CE standart.
- The compact body of surgical device has dimensions are d:31, h:43, w:40 cm. it's more ergonomic to locate as close as possible to the dental unit and to the left side of the dental chair.
- Its cabinet is designed for maximum ergonomy and minimum acustic and noise level. The cabinet is produced for maksimum air circulation against heating by the vacuum motor.
- Cabinet surface is painted electrostatic epoxy and has smooth, bright and hygenic surface. Also the other parts are galvanized for corsion free. The standart color is RAL 9016 white.
- Corpus Vac MIDI has a non - stop air ring vacuum motor as all Corpus member. The motor's power is 0.450 kW /60 Hz, 0,370 kW /50 Hz and it can transfer 1300 liters air per minute. It can work continously 8-10 hours.
- All system (air/secration separator with electronic level control and automatic auxiliary draining pump is controlled by high- tech electronic board. The system is protected against electro-shock.
- Midi surgical aspirator (Midi high vacuum system) has anti vibration system and silencer for the exhauster air and non stop suction motor's noise. The exhaust prevent the contamination of dirty air.



Corpus Midi has new model coarse filter (OPTIONAL) for to hold big particulles and inlay and onlay. The filter's installation, maintenance and cleaning are very easy and quickly. Also the filter can be installe to be 90 or 180 degrees.



Midi for 1-2 dental unit



High tech electronic board



Coarse Filter (Optional)



Easily and daily cleaning

# Hercules

Central Vacuum Systems



- Hercules 3 (for 3 treatment rooms)
- Hercules 5 (for 5 treatment rooms)
- Central Vacuum System (for 5 to 50 treatment rooms)

# Hercules

- Hercules is a strong and compact size central vacuum system for 3-4 or 5-6 treatment rooms.
- Its vacuum pumps are suitable to work continuously 7-8 hours in day.
- The motor generates 900 watt (for 3 dental chairs) and 1500 watt (for 5-6 dental chairs).
- The motor's vacuum power is 170- 200 mmHg and airflow is 2500 – 3000 liter air /minute.
- There are two different sizes of air/water separators by 12 liter and 25 liter for different size of clinics.
- The separators can be cleaned easily by a user without any technical services or any tools.
- The two-size separator has level sensors which are controlling the minimum and maximum level of the secretion in order to start and stop automatic drain system with a drain pump.
- The level sensors have a problem-free design and do not require any maintenance.
- Hercules' main control board (electronic) is designed to control the vacuum systems for 1 kW to 8 kW.
- Corpus Central Vacuum Systems can support any size of clinic with 5 treatment rooms to 100 treatment rooms.
- All sizes of Hercules have a special adjuster valve to protect the vacuum pump and also to adjust the vacuum power easily.



Hercules 3



Hercules 3 with 12 lt tank



Adjuster valve



Strongest motor by 1500 watt

Cabrio



Separator





# Cabrio

- Corpus CABRIO is a dry vacuum system without any cabinet for one or two chair.
- Cabrio has many advantages to be located any place or any clinic cabinet. It means Cabrio has a location free design for every clinic.
- We did not compress our quality but we please it to dental field by most economic cost. By the way we aimed to offer our doctors these advantages as below;

- Corpus CABRIO is a dry vacuum system without any cabinet for one or two chair.
- Cabrio has many advantages to be located any place or any clinic cabinet. It means Cabrio has a location free design for every clinic.
- We did not compress our quality but we please it to dental field by most economic cost. By the way we aimed to offer our doctors these advantages as below;
- Strong vacuum capacity,
- Minimum dimension,
- Maksimum performance
- Location free design,
- Auto level control system,
- Hi-tech electronic control,
- Auto drain pump system,
- Easy installation, cleaning and maintenance.
- Optional exhaust, silencer,
- Most economic price,
- Corosion free parts
- Hi-tech and compact body, clever design, maintenance free system
- All in one concept, for 1 or 2 chair



# Separator

- The separator (air/water - secration separator) has electronic level control and automatic auxiliary drainage pump. All the system (separator and drainage pump) is controlled by high technological electronic board.
- The separator is designed to locate any place at clinic (in clinic cabinet, left of the chair, etc).
- Also it has very compact and hygienic cabinet which is called MINI (optional).
- The separator is safed by Corpus connectors against for any air or water leakage.
- All Corpus Vacuum System has Corpus separator and integrated drainage pump.
- The separator's structure has resistance against to thermal shock and agrassive disinfectant.

# Vacuum Motor



Corpus Vacuum Motor Technical Specification

Voltage	110 V / 230 V / 380 V
Power and Frequency	0.370 kW / 50 Hz or 0.450 kW / 60 Hz
Weight and Dimension w/o cabinet	10 Kg 26x26x26 cm
Weight and Dimension with cabinet	14 Kg h:33, w:33, d:30 cm
Vacuum Pressure	-110 -120 mm Hg
Current	3,00 Ampers (220 V) – 6,00 Ampers (110 V)
Motor Vacuum capacity (O2)	1.300 litres air/minute
Motor RPM	2850 Rpm
Noise Level (H2O)	54 dB

# Vacuum Motor

- The Corpus Vacuum Motor is a dental and medical device for dental clinics and dental treatments to create negative pressure with which fluids can be aspirated from the patient's oral cavity to keep the operating field clean and dry.
- Corpus Vacuum Motor is designed by high quality in accordance with the latest ergonomic and technical concept. It can work more than 8-10 hour continuously.
- The suction motor housing is produced by high quality and made of die cast light aluminium alloy as all high technology. Also the impeller is die-cast light aluminum and it consists of a large number of short radial blades. That's why it has high torque during sucking of secretion.
- Corpus Vacuum Motor has a protection by thermostat which prevents overheating. Corpus Vac suction motor is completely oil free, and the suction and discharge parts have been built in silencers that reduce noise level to minimum.
- You can install the motor vertically or horizontally to any place. Each motor goes individual and electrical safety tests. Special cleaning is not required under normal operating conditions. No need any maintenance.
- All parts is produced in CE standards. The motor's electrical protection type: Class 1 Grade of protection against direct contacts



- We care for this points during production :
- Latest and highest technology is used,
- Durability and safety,
- Compact design and cover
- Minimum space for ergonomoy,
- Minimum weight, corrosion
- Free construction and parts,
- Easy and secure installation,
- Minimum noisy level,
- Stable construction and no vibration.
- Our suction motor is supporting all high vacuum systems and surgical aspirators.
- Our vacuum motor is used all known hi-tech dental units.

# Cannulae



# Cannulae



- Cannulae group consists two hygienic hoses and three universal tips operates automatically by microswitch when one of the cannulae is taken from the holder.
- All component can be replaced without any technical service and tools. The suction hoses has two different inner diameters which are 10 mm and 17 mm. The high quality and hygienic tubes can be removed and disinfected or cleaned easily.
- Cannulae group also involves washable filter system that holds large particles and inlays or precious metal filling.
- The cannulae group can be installed to any cabinet, wall or edge of table. It has two outlet which are 90° and 180° for different types installation.

# AirVenturi



- Corpus Air Venturi is a low-cost extremely reliable appliance, small in size and easy to install.
- It requires no maintenance.
- Its performance is sufficient for low operating head and flow.
- You can use the air venturi when high vacuum system is out of order. It can be used at examination room where weaker suction is sufficient.
- Corpus Air Venturi can be installed inside any dental unit.

## CORPUS VAC – MAXI and MIDI

Model	Corpus Vac – Maxi
Voltage	230 V or 110 V
Freucansy	50 Hz – 60 Hz
Dimensation Cabinet	Maxi (with wheels , cannulae and connectors ) : h: 86.5 w:32 d:45 cm Midi: h: 43 d:31 w: 46 cm (with connectors)
Weight	Midi: 25 kg, Maxi : 28 Kg (net)
Motor Power	0. 370 kW (50 Hz) – 0.450 kW (60Hz)
Current	3,0 A (230V) - 6,0 A (110V)
Motor Vacuum Power	110 mbar (50 Hz) - 130 mbar (60 Hz)
Motor RPM	2810 – 3270 Rpm (110 V and 220 V )
Air Flow Equipment (O2)	1300 Liter / Minute
Cannulaes' Diameter (optional)	16 mm(Turbo), 11 mm(Standard),7 mm(Pumpsaliva)
Cannulaes Quantity (optional)	2 Pcs. (Otomatik) / 3 size diameter
Cannulae Center Type (Optional)	Automatic ( by microswitch)
Connector Type	Corpus Quick Connector
Paintining and surface Type	Electrostatic epoksi and smooth, finishing surface
Colour	Standart 9016 and (Optional) 9002 white and 9006 metallic grey



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