

# VC 45 Suction Unit – precision and peak performance for implantology



COMPRESSED AIR  
SUCTION  
IMAGING  
DENTAL CARE  
HYGIENE

# Ideal for blood, dentine and bone residues

## Powerful but quiet

During a surgical operation, the patient needs all the attention. Therefore the medical team needs to rely on powerful systems that work impeccably. Such is the infinitely variable VC 45 Surgical Suction Unit that meets surgical requirements with a suction volume of 45 l/min with a constant high vacuum of up to 910 mbar.



Removal of the secretion tank



Maximum vacuum of up to 910 mbar

## Maximum vacuum for surgical treatment

Apart from the removal of saliva and secretions from the patient's mouth, conventional dental suction systems have one central function: To remove the contaminated spray mist (aerosol) from the whole treatment area. For this, a large suction volume of approx. 300 l/min with a low vacuum of up to 160 mbar is necessary.

When it comes to oral and maxillofacial surgery: Here large quantities of blood, tissue, dentine and bone residues have to be completely removed with the surgical cannula during the operation, necessitating a higher vacuum. Furthermore, the separation of these substances must not lead to any problems. The VC 45 with its powerful, sturdy diaphragm pump and reliable tank system satisfies exactly these requirements for a continuous, fault-free function during the operation.

### This is what counts:

- Constant vacuum with over-suction protection
- Power and suction volume suitable for all dental surgical procedures
- Uninterrupted ergonomic working thanks to surgical designed filtration, separation and removal system
- Easy tank replacement thanks to surgical designed filtration, separation and removal system
- Effective soundproofing for the diaphragm pump
- Simple, hygienic secretion disposal

# Everything a good suction system needs



## Reusable 1.5 l / 3 l secretion tanks

The tanks can be autoclaved and the material presents no danger of splintering. A swirl inlet is installed to reduce foaming. This provides additional protection against the intake of liquids and aerosols.



## Disposable 2 l secretion tanks

No handling of contaminated fluid, i.e. no cleaning and disinfection work; that reduces labour and cuts costs.



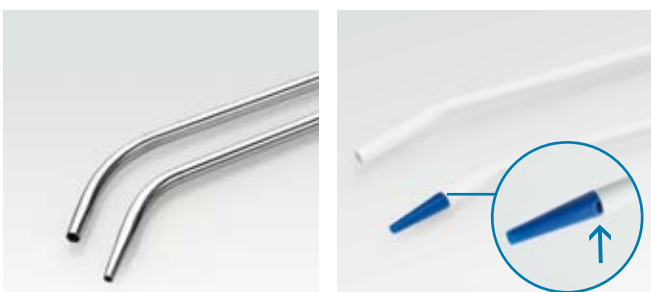
## Suction hoses (reusable)

The multiple use suction hoses are autoclaveable and are 2.1 m long.



## Suction hoses (disposable)

The suction hoses (with or without firmly integrated suction cannula), easy handling, disposal. Length 2.1 m.



## Surgical cannula

Lean cannula for surgical operations that are also suitable for large volumes of blood due to their design. Available either in metal or as disposable cannula.



## Disinfection and cleaning of the suction system

The suction system is exposed to high burdens in implantology: Viruses, bacteria and fungi endanger the hygiene, deposits of lime, materials, blood and saliva have to be removed at regular intervals. The Orotol® program therefore offers a product for disinfection and cleaning.

# Technical Data VC 45

|  | VC 45                     |
|--|---------------------------|
| Voltage (V)                            | 230 (1~)                  |
| Frequency (Hz)                         | 50/60                     |
| Electric power (kW)                    | 0.138                     |
| Current consumption (A)                | 0.6                       |
| Rate of flow (l/min)                   | 45                        |
| Vacuum (mbar) at NN                    | 910                       |
| Volume of secretion tanks (l)          | 1.5/3.0<br>2.0 disposable |
| Dimensions without cart (H x B x T cm) | 33 x 24 x 36              |
| Dimensions with cart (H x B x T cm)    | 101 x 36 x 44             |
| Weight without cart (kg)               | 6.7                       |
| Weight with cart (kg)                  | 12.5                      |
| Noise level [dB(A)]                    | 48                        |



## The top class suction system

- Flow rate of 45 l/min
- Vacuum of up to 910 mbar
- Powerful, even for large volumes of blood
- Quiet system
- Hygienic quick-coupler system
- Maintenance-free, low operating costs
- Latest technology
- Modern design

VC 45 also available with  
foot pedal (length 3 m).