High performance dental surgical suction

DÜRR SUCTION SYSTEMS

Dürr VC 45 Surgical suction unit

Powerful and silent in surgical practice – the new Dürr VC 45 suction unit

During a surgical operation, the patient needs all the attention. Therefore the medical team need to rely on powerful systems that work impeccably. Such as the new surgical suction unit VC 45, which is able to meet all the surgical requirements, with its suction volume of 45 litres per minute at a consistently high vacuum of up to 910 mbar:

- Reliably consistent vacuum with excessive suction protection, continuously variable
- Performance and suction volume tuned to all dental operations
- Ergonomic operation without interruptions through filter, separation and extraction system suitable for surgical operations
- Simple exchange of tanks, disinfection and cleaning through Direct-Dock system between tank and suction system
Maximum vacuum for the surgery – instead of the volume
Conventional dental suction systems have one central purpose, beside the removal of saliva and secretion from the patient’s mouth: sucking off the contaminated spray mist (aerosol) from the whole treatment area. To achieve this, a major suction volume of approx. 300 litres per minute is required under a minor vacuum of about 120 mbar.

Things are different in oral, dental and facial surgery: here, larger quantities of blood, tissue, dentine and bone segments need to be removed with the surgical cannula during an operation, requiring an average vacuum of approx. 400 mbar, including some high peaks. Furthermore, the separation of these substances may not lead to problems. The Dürr VC 45 with its powerful and robust membrane pump and the Direct-Dock system meets these requirements and thus ensures continuous surgical operation without problems:

- Vacuum continuously variable until 910 mbar with a volume of 45 litres per minute
- Hoseless secretion transport within the suction system
- Separation in the tank system
- Simple and hygienic disposal of secretions

Leading through ergonomics
The VC 45 is characterised by a modern design fitted to surgical demands, clearly arranged control elements, comfortable access to the instruments, silent operation, flexibility and mobility as well as a perfect disposal and hygienic regime:

- Ergonomic handle handpiece for surgical suction
- Noise insulation for the membrane pump
- Flexible and light table model VC 45, fully mobile on the VC Cart
- Perfectly hygienic collection of secretions, directly into the tank via the filter
- Powerful Dürr depth filter in the tank lid for up to 4 hours of uninterrupted of surgical operation
- Disinfection of the surgical suction system with Orotol Plus, sucked off from the Dürr OroCup
- Sterilisable secretion tank and disinfectable device surfaces

<table>
<thead>
<tr>
<th>VC 45</th>
<th>VC 45 with VC Cart</th>
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</thead>
<tbody>
<tr>
<td>Voltage (V)</td>
<td>230 (1~)</td>
</tr>
<tr>
<td>Frequency (Hz)</td>
<td>50/60</td>
</tr>
<tr>
<td>Electric power (W)</td>
<td>138</td>
</tr>
<tr>
<td>Power input (A)</td>
<td>0.6</td>
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<tr>
<td>Volume flow (l/min)</td>
<td>45</td>
</tr>
<tr>
<td>Vacuum (mbar)</td>
<td>910</td>
</tr>
<tr>
<td>Volume secretion tank (l)</td>
<td>1.5</td>
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<tr>
<td>Dimensions (H x W x D cm)</td>
<td>33 x 24 x 36</td>
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<tr>
<td>Weight (kg)</td>
<td>6.7</td>
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<tr>
<td>Noise level [dB(A)]</td>
<td>48</td>
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</tbody>
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