Dual mode ventilator
VS Range

Flexible and multifunctional

The VS Ultra™, the dual-mode ventilator from the VS range, combines barometric and volumetric modes with leakage or valve ventilation. The VS Ultra also features single or double circuit and expiratory spirometry for patients with chronic or acute pathology.

The VS Ultra is suitable for acute phase patients in hospital, or during treatment at home. The required ventilation mode can be easily reached by changing your patient’s circuit type and switching from one mode to another.

User-friendly and intuitive interface

• VS Ultra includes a simple and intuitive user interface and combines performance with ease-of-use.
• Automatic circuit type detection avoids errors of connection in the hospital and secures circuit handling by the patient at home.
• A simplified menu is provided for quick access to standard settings, while an expanded one includes secondary parameters.
• Automated “energy transfer” trigger functions (inspiratory/expiratory) optimise the patient’s breathing effort.

Easy Diag software

Data measurement screens and trend analysing software, provide fast and efficient decision tools to evaluate ventilation performance during adaptation and throughout treatment.

VS Ultra—features

• Leakage or valve ventilations with single or double circuit
• Modes—S/ST, I/AIPC, PSV, I/AIPCV, PS.TV
• Automatic circuit type detection
• Built-in O₂ addition valve
• Automatic energy transfer trigger functions
• Double circuit with expiratory spirometry (optional)
• Quick implementation
• Built-in battery power (two to four hours support)
• External battery power
## Technical specifications

### LEAKAGE VENTILATION

<table>
<thead>
<tr>
<th>Parameters</th>
<th>S/ST</th>
<th>ST</th>
<th>PSV</th>
<th>(A)PCV</th>
<th>PS.TV</th>
<th>(A)CV</th>
<th>Adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slope</td>
<td>0.1–2.3</td>
<td>0.1–2.3</td>
<td>0.1–2.3</td>
<td>0.1–2.3</td>
<td>0.1–2.3</td>
<td>0.1–2.3</td>
<td>0.1–2.3</td>
</tr>
<tr>
<td>IPAP / PS</td>
<td>6–30</td>
<td>6–30</td>
<td>6–30</td>
<td>6–30</td>
<td>5–50</td>
<td>5–50</td>
<td>5–50</td>
</tr>
<tr>
<td>Vt (mL)</td>
<td>4–20</td>
<td>4–20</td>
<td>4–20</td>
<td>4–20</td>
<td>0/4 – 20</td>
<td>0/4 – 20</td>
<td>0/4 – 20</td>
</tr>
<tr>
<td>EPAP / PEEP (hPa)</td>
<td>NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO</td>
<td>0/4 – 20</td>
<td>0/4 – 20</td>
<td>0/4 – 20</td>
<td>0/4 – 20</td>
<td>0/4 – 20</td>
<td>0/4 – 20</td>
</tr>
<tr>
<td>Ti (seconds)</td>
<td>0.4–3</td>
<td>0.4–3</td>
<td>0.4–3</td>
<td>0.4–3</td>
<td>0.4–3</td>
<td>0.4–3</td>
<td>0.4–3</td>
</tr>
<tr>
<td>Trigger</td>
<td>NO YES</td>
<td>AUTO / 1–6 (NO in PCV and CV modes)</td>
<td>from 1 to 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>