

## Vivo 50

The new Vivo\* life-support ventilators combine high quality technology, robustness and premium design to provide excellent patient treatment in home and mobile environment.

The Vivo 50 includes our patent-pending eSync technology and a full range of settings, including target volume which gives you exceptional flexibility.

Thanks to the user-friendly configuration of pressure and volume regulated modes, the treatment can be personalised to the patient's needs.

Maximum flexibility of operation by the multiple types of circuits for both invasive and non-invasive ventilation.

As we care about comfort and flexibility the Vivo 50 offers the possibility to pre-set up to three ventilation profiles. This allows the patient to benefit from the optimal treatment at any time during the day.



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- Full monitoring allows view of waveforms, numerical data and trend monitoring.
  - Developed out of the market needs, there is the possibility to connect a patient start/stop remote, remote alarm and nurse call system.
  - Easy direct access to menus on the user-friendly front panel.
  - Freedom of operation thanks to a 4 hour internal battery and the option of an additional 8 hours from the click-on battery.
  - The FiO<sub>2</sub>, SpO<sub>2</sub> and EtCO<sub>2</sub> sensors give the unit high-end monitoring capabilities with on-screen values and alarms.
  - The info help text makes information on alarms, settings and troubleshooting available for the user.

# Technical Specifications

| Settings/Performance     |  |
|--------------------------|--|
| Ventilation Modes        | <ul style="list-style-type: none"> <li>• PSV</li> <li>• PCV</li> <li>• PCV(A)</li> <li>• VCV</li> <li>• CPAP</li> <li>• PSV(T)</li> <li>• PCV(T)</li> <li>• PCV(A+T)</li> <li>• VCV(A)</li> </ul>        |
| Device Modes             | <ul style="list-style-type: none"> <li>• Home</li> <li>• Clinical</li> </ul>   |
| Inspiratory Pressure     | 4 to 50 cmH <sub>2</sub> O   |
| PEEP                     | 2 cmH <sub>2</sub> O (leakage circuit),<br>0 cmH <sub>2</sub> O (circuit with active exhalation valve) to 30 cmH <sub>2</sub> O<br>Pressure - 2 cmH <sub>2</sub> O or Min Pressure -2 cmH <sub>2</sub> O |
| Breath Rate (PCV, VCV)   | 4 to 40 bpm  |
| Inspiratory Time         | 0.3 to 5 s   |
| Backup Inspiratory Time  | 0.3 to 5 s (PSV)   |
| Rise Time                | 1 to 9 (PSV & PCV)<br>50 - 90 %, Off (VCV)   |
| Inspiratory Trigger      | 1 to 9 (PSV, PCV & VCV)<br>Off (PCV & VCV)   |
| Expiratory Trigger       | 1 to 9 (PSV)   |
| Minimum Inspiratory Time | Off, 0.3 to 3 s  |
| Maximum Inspiratory Time | 0.3 to 3 s, Off  |
| Backup Rate (PSV)        | 4 to 40 bpm  |
| Target Volume            | 100 to 2500 ml   |
| Maximum Pressure         | 50 cmH <sub>2</sub> O  |
| Minimum Pressure         | 4 cmH <sub>2</sub> O to 50 cmH <sub>2</sub> O  |
| Tidal Volume             | 100 to 2500 ml   |
| Flow Pattern             | Square, decelerating   |
| CPAP                     | 4 to 20 cmH <sub>2</sub> O   |

| Power Supplies   |                 | Monitoring                   |   |
|------------------|-----------------|------------------------------|---|
| Mains supply     | 100 to 240 V AC | Displayed data               | Ppeak, PEEP, Pmean, Leakage, MV, Vt, FiO <sub>2</sub> , % in TgV, Total Rate, Spont Rate, % Spont, SpO <sub>2</sub> , Pulse Rate, I:E, Inspiratory Time, Rise Time, EtCO <sub>2</sub> , InspCO <sub>2</sub> |
| External battery | 24 V DC         | Waveforms                    | Pressure, Flow, Volume  |
| Click-on battery | 8 hours         | Trends over 1, 6, 24 and 48h | Ppeak, PEEP, Total Rate, Spont Rate, Vt, Leakage, SpO <sub>2</sub> , EtCO <sub>2</sub>  |
| Internal battery | 4 hours         |                              |   |

| Main Alarms  |  | Dimensions   |   |
|--|--|--|---|
| High Pressure, Low Pressure, High PEEP, Low PEEP, High Vt, Low Vt, High MV, Low MV, High Breath Rate, Low Breath Rate, Apnea, Disconnection, Rebreathing, High FiO <sub>2</sub> , Low FiO <sub>2</sub> , High SpO <sub>2</sub> , Low SpO <sub>2</sub> , High EtCO <sub>2</sub> , Low EtCO <sub>2</sub> , High InspCO <sub>2</sub> , High Pulse Rate, Low Pulse Rate, Low Last Power Source |  | W x H x D  | 343 x 125 x 264 mm without click-on battery<br>(343 x 125 x 285 mm with click-on battery) |
|  |  | Weight   | 5.2 kg without click-on battery<br>(6.7 kg with click-on battery)                         |
|  |  | Noise level (at 10 cmH <sub>2</sub> O constant pressure) | Less than 30 dB(A)  |

Breas Medical AB reserves the right to make changes to the contents of this Product Specification without any prior notification.  
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Breas Medical AB · Företagsvägen 1 · SE-435 33 Mölnlycke · Sweden  
Phone +46 31 86 88 00 · Fax +46 31 86 88 10 · breasswe@ge.com · www.breas.com

