



Vivo 45LS – Designed for everyday life

To meet the needs connected to a wide range of respiratory conditions, a ventilator must offer outstanding clinical versatility and performance. But equally as important, it must be designed around the patient's life, activities and home environment. That's why we've created Vivo 45LS, a life support ventilator for adult and pediatric patients from 5 kg. The Vivo 45LS is designed to maximize independence and mobility. That's what we mean by "Designed for everyday life".



DESIGNED FOR EVERYDAY LIFE

- Small, neat and user friendly
- Integrated humidifier and heated wire connection
- 2.5 h internal + 6.5 h click-in battery for use on the move



ADAPTABLE

- Pressure and volume modes
- Both passive circuits and circuits with active exhalation valve
- Options for a wide range of patients and conditions from 5 kg
- Integrated polygraphy tracing: SpO₂, FiO₂, CO₂, respiratory effort belts



CONNECTED

Making Connected Care more insightful

- EveryWare – Secure cloud-based remote connectivity solution
- PC Software – Desktop-based with Live Viewer



Breas Vivo 45LS Technical Specifications

| Settings / Performance | |
|--|---|
| Ventilation Modes | PSV, PSV-AE, PSV(TgV), PSV(TgV)-AE, PCV, PCV-AE, PCV(TgV), PCV(TgV)-AE, PCV(A), PCV(A)-AE, PCV(A+TgV), PCV(A+TgV)-AE, CPAP, VCV, VCV(A), VCV-MPV, VCV-SIMV, PCV-SIMV, PCV-MPV |
| Patient Modes | Adult, Paediatric |
| Device Modes | Home, Clinical |
| Profiles | 3 settable profiles |
| Inspiratory Pressure | 4 – 50 cmH ₂ O |
| PEEP | 2 – 20 cmH ₂ O |
| Breath Rate/Back-up Rate | Adults: 4 – 40 bpm, Paediatrics: 6 – 60 bpm |
| Inspiratory Time | 0.3 – 5 s |
| Backup Inspiratory Time | 0.3 – 5 s (PSV) |
| Rise Time | 1 – 9 (PSV, PCV), 50 to 90%, Off (VCV) |
| Inspiratory Trigger | 1 – 9 (PSV, PCV, VCV), Off (PCV, VCV) |
| Expiratory Trigger | 1 – 9 (PSV, PCV-SIMV, VCV-SIMV) |
| Minimum Inspiratory Time | Off, 0.3 – 3 s |
| Maximum Inspiratory Time | Off, 0.3 – 5 s |
| Target Volume | Adults: 300 – 2000 ml, Paediatrics: 50 – 500 ml |
| Auto-EPAP | On/Off, Min/Max EPAP: 2 – 20 cmH ₂ O, PS: 2 – 50 cmH ₂ O -Max EPAP, EPAP Step: 0.5 – 2 cmH ₂ O, Relax Time: 120 – 720 sec/Off, Min PS/Max PS: 2 – 50 cmH ₂ O, -Max EPAP, Pressure Limit: Max EPAP +2 cmH ₂ O – 50 cmH ₂ O |
| Monitoring | |
| Displayed data | Ppeak, PEEP, Pmean, Leakage, MV, Vt, FiO ₂ , % in TgV, Total Rate, Spont Rate, % Spont, SpO ₂ , Pulse, Rate, I:E, Inspiratory Time, Rise Time, EtCO ₂ , PtcCO ₂ , AHI |
| Waveforms | Pressure, flow, volume, EtCO ₂ , Effort Belts |
| Trends over 1, 6, 24, 48 h and 10 days on device screen | Ppeak, PEEP, Total Rate, Spont Rate, Vt, Leakage, SpO ₂ , EtCO ₂ |
| Power Supplies | |
| Mains supply | 100 to 240 V AC |
| External DC | 12 – 24 V |
| Click-in battery | 6.5 hours |
| Internal battery | 2.5 hours |
| Alarms | |
| Alarms | High Pressure, Low Pressure, High PEEP, Low PEEP, High Vt, Low Vt, High MV, Low MV, High Breath Rate, Low Breath Rate, Apnea, Disconnection, High FiO ₂ , Low FiO ₂ , High SpO ₂ , Low SpO ₂ , High CO ₂ , Low CO ₂ , High InspCO ₂ , High Pulse Rate, Low Pulse Rate, Low Last Power Source, Obstruction, Rebreathing |
| Dimensions | |
| W x H x D | 216 x 159 x 152 mm |
| Weight | 2.4 kg |
| Noise level (at 10 cmH ₂ O constant pressure) | Less than 28 dB(A) |
| Connectivity and software | |
| Built-in connectivity | Ethernet, USB |
| Compatible software | PC Software, EveryWare Remote Connectivity Solution |
| Plug-and-Play accessories | SpO ₂ , PtcCO ₂ , EtCO ₂ , Effort Belts, Nurse Call, Remote Alarm, Remote Start/Stop |
| Other | |
| Humidification | Integrable water chamber |
| Circuits | Disposable leakage circuits with/without heated wires, disposable exhalation valve circuits, disposable MPV circuits |

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