



vivo45^{LS}
by Breas

Life Support

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 important, it must be designed around the patient's life, activities and home environment.

That's why we've created Vivo 45 LS – a life support ventilator for adult and pediatric patients from 5 kg. The Vivo 45 LS 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 TO CLINICAL NEEDS

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



REMOTE MONITORING

- Ready for Breas Connected Care Solutions:
 - On-Demand Hi-Resolution breath-by-breath data
 - Seamless communication between colleagues and caregiving team
 - Tailored alerts based on patient needs
 - Review summary and detailed data with PC Software



Vivo 45 LS Technical Specifications

Settings / Performance	
Ventilation Modes	PSV, PSV(TgV), PCV, PCV(TgV), PCV(A), PCV(A+TgV), 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 to 50 cmH ₂ O
PEEP	2 cm H ₂ O to 20 cm H ₂ O
Breath Rate/Back-up Rate	Adults: 4 - 40 bpm, Paediatrics: 6 - 60 bpm
Inspiratory Time/Backup Insp. Time	0.3 to 5 s
Rise Time	1 to 9 (PSV & PCV), 50 to 90%, Off (VCV)
Inspiratory Trigger	1 to 9 (PSV & PCV, VCV), Off (PCV, VCV)
Expiratory Trigger	1 to 9 (PSV, PCV-SIMV, VCV-SIMV)
Minimum Inspiratory Time	Off, 0.3 to 3 s
Maximum Inspiratory Time	0.3 to 5 s, Off
Tidal/Target Volume	Adults: 300 - 2000 ml, Paediatrics: 50 - 500 ml
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
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	24 V
Click-in battery	6.5 hours
Internal battery	2.5 hours
Main 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	Prepared for Breas Cloud Service
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 circuit