

# VIVO 45 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: SpO<sub>2</sub>, FiO<sub>2</sub>, CO<sub>2</sub>, respiratory effort belts



### MAKING CONNECTED CARE MORE INSIGHTFUL

- EveryWare – Secure cloud-based remote monitoring\*
- PC Software – Desktop-based with Live Viewer



# 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 cm H <sub>2</sub> O
PEEP	2 cm H <sub>2</sub> O to 20 cm H <sub>2</sub> 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 <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> , PtcCO <sub>2</sub>
Waveforms	Pressure, flow, volume, EtCO <sub>2</sub> , Effort Belts
Trends over 1, 6, 24, 48 h and 10 days on device screen	Ppeak, PEEP, Total rate, Spont rate, Vt, Leakage, SpO <sub>2</sub> , EtCO <sub>2</sub>
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 <sub>2</sub> , Low FiO <sub>2</sub> , High SpO <sub>2</sub> , Low SpO <sub>2</sub> , High CO <sub>2</sub> , Low CO <sub>2</sub> , High InspCO <sub>2</sub> , 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 cm H <sub>2</sub> O constant pressure)	Less than 28 dB(A)
Connectivity and Software	
Built-in connectivity	Ethernet, USB
Compatible Software	PC Software and is prepared for *EveryWare Remote Monitoring – Please contact Breas for availability
Plug-and-Play accessories	SpO <sub>2</sub> , PtcCO <sub>2</sub> , EtCO <sub>2</sub> , 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