



Nippy 4+ – 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 the Nippy 4+, a life support ventilator, intended for adult and paediatric patients from 5 kg. The NIPPY 4+ 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 patient circuit
- 2.5 h internal + 6.5 h click-in battery and protective cover for use on the move



CONNECTED

Making Connected Care more insightful

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



ADAPTABLE

- Options for use with a wide range of respiratory conditions
- Adult and Paediatric Patient Modes (from 5 kg upwards)
- Integrated monitoring of SpO₂, FiO₂, EtCO₂, PtcCO₂, Effort Belts
- Option to use passive or active exhalation valve circuits
- Pressure modes with Target Volume (TgV) and Auto-EPAP (AE) Algorithms
- Mouthpiece, SIMV, Volume Control and CPAP Modes



Nippy 4+ Technical Specifications

Settings / Performance	
Ventilation Modes	PSV, PSV(TgV), PSV-AE, PSV(TgV+AE), PCV, PCV(TgV), PCV-AE, PCV(TgV+AE), PCV-SIMV, PCV-MPV, VCV-SIMV, VCV-MPV, VCV, CPAP
Device Modes	Home, Clinical
Patient Modes	Adult, Paediatric
Profiles	3 settable profiles
Inspiratory Pressure	4 – 40 cmH ₂ O
PEEP	2 – 20 cmH ₂ O
Breath Rate/Back-up Rate	4 – 50 bpm in Adult Mode, 6 – 60 bpm in Paediatric Mode, (default 0 bpm in MPV Modes)
Inspiratory Time	0.3 – 5 s
Backup Inspiratory Time	0.3 – 5 s (PSV)
Rise Time	1 – 9 (PSV, PCV) 50 – 90%, Off (VCV)
Inspiratory Trigger	1 – 9 (Off in PCV & VCV)
Expiratory Trigger	1 – 9 (PSV, PSV(TgV))
Minimum Inspiratory Time	Off, 0.3 – 3 s
Maximum Inspiratory Time	Off, 0.3 – 5 s
Target Volume	Adult Mode: 100 – 2000 ml, Paediatric Mode: 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 , EtCO ₂ /PtcCO ₂ , Pulse, Rate, I:E, Inspiratory Time, Rise Time, AHI
Waveforms	Pressure, flow, volume
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 /PtcCO ₂ , Effort Belt
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 Flow, Low Flow, High Pressure, Low Pressure, High EPAP, Low EPAP, High Vte, Low Vte, High MV, Low MV, High Breath Rate, Low Breath Rate, Apnoea, Disconnection, High FiO ₂ , Low FiO ₂ , High SpO ₂ , Low SpO ₂ , High Pulse Rate, Low Pulse Rate, Low Last Power Source, Obstruction, Rebreathing, High EtCO ₂ /PtcCO ₂ , Low EtCO ₂ /PtcCO ₂ , High Inspired EtCO ₂
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	EtCO ₂ , PtcCO ₂ , Effort Belts, SpO ₂ , FiO ₂ , 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