



VL100
ICU VENTILATOR

Features :

- Volume and pressure controlled ventilation
- Invasive and Non-invasive
- Smart user- friendly interface with touch screen color display
- Full range of ventilation features with graphs and numerical values
- Smart alarm system
- 72 hours trend storage
- IBW calculator provides a quick and safe start to ventilation
- Pediatric through adult (20-2000 ml Tidal volume)
- Automatic leak and compliance compensation
- Modern pressure and flow triggering
- Battery backup of up to 1 hour

Volume and pressure controlled ventilation

VL100 ventilator helps patients to breathe more naturally through a new breath delivery technology. This new ventilator presents volume and pressure controlled ventilation plus spontaneous breathing modes. Moreover, it is equipped with great weaning functionalities.

Smart user- friendly interface

The high — resolution full- color touch screen display shows comprehensive information including ventilation curves and monitored values. Also screen configuration can be customized to display the most important measurement values.

Full range of ventilation features

VL100 ventilator possesses some extra advantages: NIV, Apnea, modern pressure and flow triggering. These features allow making the ventilation even more precise and effective.

72 hours trend storage

Some mistakes in treatment can be crucial for the patient and the specialist must know all the details of patient history case to prevent the fault. VL100 ventilator offers trending all patient data available for 3 days.

IBW calculator

Ideal Body Weight start up setting gives the clinician a quick and safe initiation to ventilation.

Modes of ventilation

- Assisted control mandatory ventilation
- Synchronized intermittent ventilation
- Spontaneous ventilation

Breath types

- Volume controlled: VCV, V-SIMV
- Pressure controlled: PCV, P-SIMV, PS
- Volume targeted pressure controlled: PRVC-CMV, PRVC-SIMV, VS
- APRV

Breath triggering :

- Pressure triggering: (-2) — (-20) cmH₂O
- Flow triggering: 2 — 20 l/min

Respiratory settings

- Respiratory rate: 2- 120 b/min
- Tidal volume: 20- 2000 ml
- PEEP/ CPAP: 0- 40 cmH₂O
- Pcontrol: 2- 80 cmH₂O
- Psupport: 0- 60 cmH₂O
- I-Time (Ti): 0.2- 5.0 Sec
- Pause (Inspiratory plateau): 0-75% of Ti
- Flow Pat. : square, Dec.
- Phigh : 5-40 cm H₂O
- Plow: 0-37 cm H₂O
- Thigh: 0.2-29.8 Sec
- Tlow: 0.2-2.0 Sec
- Auto Tlow: off or 10-80%
- Oxygen (FiO₂): 21- 100%
- Rise time: Fast, Med, Slow
- Exhalation sensitivity: 10- 80 % of peak flow

Respiratory monitored parameters

- PEEP
- I:E
- Ppeak
- Ti/ Ttot
- Pmean
- Cstat
- PendInsp
- Cdyn
- Vte
- R insp
- Vti
- Rexp
- MV
- Auto PEEP
- MVspont
- Pplateau
- Leak
- RSBI
- pF
- O₂%
- PFe
- WOB
- Rate
- P0.1
- Rate Sp.
- NIF
- Inspiration time (Ti)
- P0.1/NIF
- Expiration time (Te)
- RCe
- H:L

Real Time Curves

- Pressure over time, Flow over time, Volume over time
- Pressure- Volume loop, Flow- Volume loop

Additional features

- Maneuvers: P0.1, N1F, Insp. Hold, Exp.Hold, Suction Support
- Apnea backup ventilation (PS, VS and APRV)
- IBW calculator
- NIV On/ Off (PS and P-SIMV)
- Automatic leak compensation
- Automatic compliance compensation
- Active exhalation Valve
- Dual control in the breath (VCV and V-SIMV)
- Auto Tlow in APRV

User initiated functions

- Manual breath
- Nebulizer
- 100% Oxygen
- Alarm silence
- Humidification selection: HME, Humidifier, None

User configurable interface

- Multiple easy view tabs: (Main, Settings, Monitoring, Alarms, Configuration)
- Graphic display: 2 loops and 3 curves

Prioritized alarms (High, Medium, Low)

- Auto- Set alarm feature
- 2000 Events log

Physical data

- Battery backup (with fully charged batteries): up to 60 minutes
- Screen: LCD 12.1" wide
- Gas supply: 2.4- 6.0 bar clean, dry and oil- free medical grade (also works within 1.0 - 2.4 bar, some degraded performances)
- Width x depth x height: 45x35x29 cm
- Weight: 11 kg



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