

V8800 Ventilator Technical Parameters



Ventilation Modes:

- Volume Controlled (VCV), Assist /Control
Pressure Controlled (PCV), Assist/Control
- Pressure Regulated Volume Controlled (PRVC), Assist/Control
- Synchronized Intermittent Mandatory Ventilation,
SIMV(VCV) + PSV, SIMV(PCV) + PSV, SIMV(PRVC) + PSV
- Spontaneous Ventilation (SPONT/CPAP) + PSV
- Bi Level Ventilation (BIVENT/APRV) + PSV
- Non-invasive Ventilation (NIV/CPAP + PSV, NIV/PCV)

Parameters:

- Tidal Volume: 20~2500 ml
- Respiratory Rate: 1~120 bpm
- Inspiration Time: 0.1~12 s
- Inspiratory Pause Time: 0~4 s
- Tslope: 0~2 s
- FiO₂: 21%~100%
- PEEP: 0~50 cmH₂O
- CPAP (NIV): 2~20 cmH₂O
- Psupport: 0~90 cmH₂O
- P_{insp}: 0~100 cmH₂O
- P_{high}: 5~90 cmH₂O
- P_{low}: 0~50 cmH₂O
- E_{sens}: 5%~80%
- Flow Patterns: square, decelerating
- Inspiratory Hold
- Expiratory Hold
- Nebulizer: 30 or 45 minutes
- Auto Tube Compensation (ATC)
- Compliance Compensation
- Graphical Trends

Monitoring:

- Pressure values: P_{peak}, P_{min}, P_{plat}, P_{mean}, PEEP
- Volume/Flow values: V_{ti}, V_{te}, MV, MV_{spont}, Leak%
- Waveforms: Pressure – Time, Flow – Time, Volume – Time
- Loops: Flow – Pressure, Pressure – Volume, Volume – Flow
- FiO₂
- Optional EtCO₂

Alarms:

- MV high, MV low, Circuit disconnect, Paw high, Paw low,
Continuous airway pressure high, V_{ti} high, f_{spont} high,
Tapnea, FiO₂ high, FiO₂ low, EtCO₂ high, EtCO₂ low,
Power supply failure, Battery low, Battery exhausted,
Air supply failure, O₂ supply failure, PEEP low, etc.

Operating Conditions:

- Gas Supply: O₂, Air, 200~650 kPa (29~94 psi)
- Power Supply: 100~240 V, 50/60 Hz
- Operating Temperature: 10~40°C
- Relative Humidity: 15%~95%, non-condensing
- Atmospheric Pressure: 500~1060 hPa
- Communication Interfaces: RS-232, VGA, USB, RJ45
- Dimensions (H x W x D): 624 x 774 x 1410 mm (with Cart)

V8800 Ventilator



V8800 Ventilator

V8800 is a critical care ventilator for infants, children and adults. It has comprehensive functionality, a user-friendly design, and is full of high-quality, reliable treatment options for the clinician.

- In addition to typical ventilation modes, the V8800 also has BIVENT and PRVC to fully meet the demands of the clinician and patient.
- V8800 also includes enhanced features such as automatic tube compensation as part of the standard configuration.
- V8800 includes NIV ventilation. You have the flexibility to use V8800 for both invasive and non-invasive therapy to reduce equipment costs.
- V8800 has comprehensive parameters monitoring, including Work of Breath (WOB) and Rapid Shallow Breathing Index (RSBI), for you with decision support in weaning process.
- V8800 is full of valuable clinical features:
Synchronized nebulizer
Inspiratory & Expiratory hold
Manual inspiration
Smart suction



V8800 Ventilator

Simple & Intuitive Interface:

- With a 15" TFT LCD touch screen and a simple intuitive interface, you can operate the machine with incredible ease.
The display monitor can be rotated 180 degrees, allowing you to have more flexibility during use.

Powerful Monitoring Functions:

- 4 waveforms, 3 loops, and over 20 parameters, you can check them easily on the screen with a well-organized layout.
With its waveform freeze function, the user has the ability to measure waveform values.

Lung Mechanics Monitoring

- Automatic measurement of static compliance, airway resistance and intrinsic PEEP, clear display of data, user-friendly.



V8800 Ventilator



An intelligent alarm system and apnea backup ventilation reinforce the machine's high level of safety

Unique metal-based, autoclavable, internally heated exhalation valve

By using the side rails of the machine, you can add modules as needed, such as a humidifier or carbon dioxide monitoring module



Screen and machine are easy to separate, to avoid cross infection

Nurse call, Ethernet, USB and VGA ports make V8800 easily connected to external expansion

Built-in battery eliminates the need to worry about power interruptions, an optional extended battery is available