

INSPIRATION[®] LS Ventilator

A Clinician Focused Product



FEATURES

- High performance / Psol and active exhalation
- Neonate through adult
- Invasive and noninvasive
- Feedback-controlled NCPAP and NCPAP+
- Extensive transport capabilities
- Heliox
- Touch screen
- Internet remote viewing



SPECIFICATIONS

Modes of Ventilation

- Assisted Control Mandatory Ventilation (CMV)
- Synchronized Intermittent Mandatory Ventilation (SIMV)
- Dual Mode Ventilation (Pressure Regulated Volume Control) (PRVC-CMV; PRVC-SIMV)
- Spontaneous ventilation (SPONT) (CPAP + PS)
- Spontaneous Positive Airway Pressure (SPAP)
- Nasal Continuous Positive Airway Pressure (NCPAP)
- Nasal Continuous Positive Airway Pressure Plus (NCPAP+) (NCPAP with rate and base flow control)
- Auto Mode

Breath Types

- Volume Support (VS)
- Volume-controlled breaths: (V-CMV; V-SIMV)
- Pressure-controlled breaths: (P-CMV; P-SIMV; PS)

Breath Triggering

- Pressure triggering: 0.5 - 20 cm H₂O
- Flow triggering: 0.1 - 25 lpm
- NIV

Additional Settings

- Respiratory rate: 1 - 150 bpm
- Tidal volume: 5 - 2000 ml (compliance & BTPS compensated)
- PEEP / CPAP: 0 - 50 cm H₂O
- Pcontrol, Psupport: 0 - 80 cm H₂O
- Peak flow (mandatory): 1 - 120 lpm
- Peak flow (spontaneous): 1 - 180 lpm
- I-Times: 0.1 - 10 sec
- Plateau (insp pause): 0 - 42 sec or
- Plateau (insp pause): 0 - 70% (user selectable)
- Oxygen concentration: 21 - 100%
- Rise time settings: Fast, Med, or Slow
- Exhalation sensitivity %: 10 - 80% (of spontaneous peak flow)

User Configurable Functions

- Apnea Back-up
 - User-selected breath type, mode and settings
- Smart Nebulizer™
 - User-selected interval and duration
 - Oxygen concentration and volume compensated
- Smart Sigh™
 - User-defined volume- or pressure-controlled sighs
 - User-defined frequency and multiples of sighs
 - User-defined amplitude of sigh (+ 0 - 50% of tidal volume or pressure setting)
- Heliox 0 - 80%

User Initiated Functions

- Manual inspiration
- Inspiratory and expiratory breath holds
- 100% Oxygen and auto calibration

Monitored / Displayed Data

- Delivered Oxygen Concentrations: 21 - 100%
- Pressure Values
 - Ppeak
 - PEEP
 - Pmean
 - Pplateau
- Volume / Flow Values
 - Vte
 - Exp Min Vol
 - Spont Min Vol
 - Leak rate
- Time Values
 - Respiratory rate
 - Tinsp
 - Ti / Ttot
 - RR / Vt (RSBI)
 - Spont% 1h, Spont% 8h
- Real Time Curves (waveforms)
 - Pressure + time
 - Flow + time
 - Volume + time
 - Pressure Volume loop
 - Flow Volume loop
- Respiratory Mechanics
 - Cstat and Rinsp
 - Rexp (outside USA)
- Measured Volumes to
 - Vte ≤ 1 ml
 - Vti ≤ 1 ml

Prioritized Alarms (High, Medium and Low)

- Auto set alarm feature
- Alarm log

Communication Interfaces

- Ethernet
- RS232
- Nurses call

Optional Remote Patient and Device Viewing

- MiniWeb™ server
- Trending
- Real time graphics display
- Real time alarm information and display

Physical Data

- AC power: 100 - 240 VAC (50/60Hz)
- Internal compressor (optional)
- Internal and optional external battery
- Battery backup on compressor ≤ 120 min
- Battery backup off compressor ≥ 120 min
- Gas supply pressure 2 - 6 Bar
- Screen: LCD 12.1" / Touch Screen

Warranty

- 3-year warranty
- See service manual for full information

Corporate Office:
971 Calle Amanecer, #10
San Clemente, CA 92673 USA
+1 888 454 VENT (8368)
+1 949 492 8368 (Outside USA)

Manufacturing Office:
Unit 29 Glenrock Business Park
Ballybane, Galway
Ireland

This product carries the CE mark and is cleared by the FDA. Specifications subject to change.

www.event-medical.com

