

CareFusion LTV 1000

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Product Specifications

Benefits

- Internal Turbine eliminates need for compressed air
 - Makes system portable and versatile
- Variety of power options
 - Wall Power, Battery, or Automobile Adapter

Dimensions

Bare With Caps

Height 3 inches (8 cm) 3.25 inches (8.4 cm)

Width 10 inches (25 cm) 10.5 inches (27 cm)

Depth 12 inches (30 cm) 13.5 inches (38 cm)

Weight

Bare 13.4 lbs (5.83 kg)

With Caps 14.5 lbs (6.5 kg)

Power indicators

External power: Green(Full Power), Amber(Low Power) Charge status: Flashing Amber(Pretest), Green(Charge Complete), Amber(Charging), Red(Charger or

Battery Fault) Battery level: Green (Acceptable), Amber (Low), Red (Critically Low)

Monitors and Indications

Peak inspiratory pressure: 0 to 120 cmH₂O

Mean airway pressure: 0 to 99 cmH₂O

PEEP: 0 to 99 cmH₂O

Total breath rate: 0 to 250 bpm

Airway pressure display: -10 to 108 cmH₂O

Inhale/Exhale ratio: 99:1 to 1:99

Calculated peak flow: 10 to 100 lpm

Patient effort: Green LED

Alarms

Disconnect/sense line Low and lost external power Low and empty internal battery Ventilator inoperative Red LED, audible alarm

Apnea interval 10 to 60 seconds

High pressure limit 5 to 100 cmH₂O

Low peak pressure Off 1 to 60 cmH₂O

Alarm volume 60 to 80 dBA at 1 meter

Alarm silence/reset 60 seconds

Power Cord

Biomed replaceable 2.75 m (9 ft)

Extended Features

NPPV (Non-Invasive Positive Pressure Ventilation) mode
SIMVCPAPApnea back-up
ventilation

The LTV-Series of Ventilators all look, act, and, feel alike with the exception of which controls and features are installed in each model.

The following list is unique to this model.

- Pressure control
- Volume control
- Pressure support
- Flow-Triggering
- Inspiratory & Expiratory hold
- Leak Compensation
- integral O2 blender
- O2 flush
- O2 cylinder duration
- high pressure & low Pressure O2 inlet
- Multiple power source
- Non-invasive ventilation

Click **here** for the User Manual

CareFusion LTV 1200

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- O2 flush
- O2 cylinder duration
- High pressure & low pressure O2 inlet
- Multiple power source
- Non-invasive ventilation
- NPPV mode
- Spontaneous Breathing trail
- Patient presets (infant, Pediatric & internal PEEP)
- PEEP compensation
- User-replaceable internal battery
- Low PEEP alarm
- O2 conserve

Click **here** for the User Manual

Newport HT70

Newport HT70

The Newport HT70® Ventilator combines ease of use, clinical finesse, exceptional portability, and ruggedness in one compact package.

Designed for patients $\geq 5\text{kg}$ to adult, the HT70 is ideal for home care, transport, hospital, longterm care, and emergency preparedness applications for invasive or noninvasive ventilation. The full color touch screen is easy to navigate and offers specific screens for homecare, transport and hospital applications, default or customizable presets, Alarm Quickset and Help functions.

Developed and manufactured entirely by Newport Medical in California, USA, the compact HT70 features a newly designed, patented, micro-piston technology that eliminates the need for external compressed gas. The hot swappable integrated battery system provides up to 10 hours of operation at standard settings and can be fully recharged in only 3 hours. For a long transport, a full day at the park or in case of a power emergency , the HT70 allows for virtually continuous operation.

Specifications

Controls/Settings

Modes (Pressure or Volume): A/CMV, SIMV, SPONT

NIV (non-invasive ventilation): On/Off in all modes

VT (Tidal Volume): 50 to 2,200 mL

RR (Respiratory Rate): 1 to 99 b /min

i Time (Inspiratory Time): 0.1 to 3.0 sec

PEEP/CPAP: 0 to 30 cmH₂O/0 to 30 mbar

PS (Pressure Support): 0 to 60 cmH₂O/0 to 60 mbar*

Flow: 6 to 100 L/min

I:E Ratio: 1:99 to 3:1

PC (Pressure Control): 5 to 60 cmH₂O/5 to 60 mbar

P_{trig} (Sensitivity): -9.9 to 0 cmH₂O/-9.9 to 0 mbar

Flow Trigger: 0.0 to 10.0 L/min, Off

Manual Inflation: 3 sec maximum

F I O₂ (Optional) +: .21 to 1.00

Bias Flow: Off: 7 L/min w/PEEP

NIV On: 3 to 30 L/min w/PEEP PS Max i time 0.1 to 3.0 sec

PS Max i time: 0.1 to 3.0 sec

PS % Exp. Threshold: 5 to 55%

Slope Rise: 1 to 10

Flow Wave Pattern: square or descending

Auto Lock function: ON / OFF

Language Selection: Selection multiple language options

*PEEP + PS cannot exceed 60 cmH₂O/mbar

Monitored Parameters

Paw (Peak, Mean, Base)

VTI / VTE (insp./exp. tidal volume)

MVI/ MVE (insp./exp. minute volume)

Peak Insp. Flow

RR tot (total respiratory rate)

Internal Dual Battery System

O2 Concentration (I:E Ratio)

O2 Cylinder Time

Alarms

High Airway Pressure

Low Airway Pressure

High / Low Baseline Pressure

High Resp. Rate

High Minute Volume

Low Minute Volume

High O2

Low O2

Apnea

Low Battery

Alarm Silence/Reset

Device Alert

Back-up Ventilation Alert

Airway Flow Sensor Disconnect

Internal Dual Battery System

Primary Internal Power Pac Battery: Lithium ion – provides up to 10 hours of operation

Secondary Internal Backup Battery: Lithium ion – minimum of 30 minutes of

operation

Specialty Screens

Events: Record up to 1,000 events with Parameter settings

Trends: Displays trend graphs for last 72 hours

Waveform Graphics: Flow/Pressure/Tidal Volume

Help: Touch any button for a tutorial of that feature

Domains: Basic, transport and hospital

Export Data: Capture/download events & trends

Patient Presets: Customized or Default

Customized Back Up Ventilation: Link with Apnea and/or Low MV and customize settings

Applications

Long-Term Care

- Easy to set up and use
- Small and portable
- Central monitoring/ remote alarm compatibility

Home Care

- Simplified full color touch screens
- Hot swappable battery for continuous operation
- On-screen help guide
- Alarm quickset

Hospital

- Waveform graphics
- Clinically advanced features
- Customizable patient presets
- Event log and trend screens

Emergency Preparedness

- Rugged construction
- Fast setup with presets and alarm quickset
- Recharge in three hours

Transport

- O2 cylinder time calculator
- Power and oxygen conserving
- Oxygen monitor/alarms
- Battery time estimator

Get the Quick Guide Here

Puritan Bennett 840

Puritan Bennett 840

The Puritan Bennett™ 840 ventilator features Covidien's PAV™*+ software, providing a breath type that better manages a patient's breathing effort and let's patient breath more naturally. Anyone from neonatal patients weighing as from

12oz to adult patients weighing as much as 375lb can be accommodated with proper options installed.

Specifications

- Ideal body weight (IBW): 0.3 to 7.0 kg with NeoMode 2.0 (0.66 to 15 lbs), 7.0 to 24 kg (15 to 53 lbs), 25 to 150 kg (55 to 330 lbs)
- Modes: Assist/Control (A/C), synchronized intermittent mandatory ventilation (SIMV), or spontaneous (SPONT), Bi-Level
- Software Options: NeoMode 2.0, Leak Compensation, Tube Compensation, Bi-Level, Volume Ventilation Plus (Volume Control Plus and Volume Support), Proportional Assist™* Ventilation Plus (PAV™*+), Respiratory Mechanics and Trending
- Mandatory breath types: Volume Control (VC), Pressure Control (PC) or Volume Control Plus with Volume Ventilation Plus option
- Spontaneous breath types: Pressure Supported (PS), Volume Supported (VS), Proportional Assist (PA), none
- Vent type: Invasive or Noninvasive
- Pressure support (PSUPP): 0 to 70 cm H2O
- Rise time %: 1% to 100%
- Expiratory sensitivity (ESENS): 1% to 80%; 1 L/min to 10 L/min with PAV™*+
- Tidal volume (VT): 25 to 2,500 mL, 2 to 315 mL with NeoMode
- Respiratory rate (f): 1.0 to 100 /min, 1 to 150 /min with NeoMode
- Peak inspiratory flow (VMAX): 3 to 150 L/min for IBW > 24 kg; 3 to 60 L/min for IBW ≤ 24 kg, 1 to 30 L/min with NeoMode
- Flow pattern: Square or descending ramp
- Plateau time (TPL): 0.0 to 2.0 seconds

- Inspiratory pressure (PI): 5 to 90 cm H₂O
- Constant during rate change: Inspiratory time (TI), I:E ratio or expiratory time (TE)
- Inspiratory time (TI): 0.2 to 8.0 seconds
- I:E ratio: ≤ 1:299-4.00:1
- Expiratory time (TE): TE ≥ 0.2 second
- Trigger type: Pressure (PTRIG) or flow (VTRIG Flow-by flow triggering)
- Pressure sensitivity (PSENS): 0.1 to 20 cm H₂O below PEEP
- Flow sensitivity (VSENS): 0.2 to 20 L/min, 0.1 to 10 L/min with NeoMode
- O₂ %: 21% to 100%
- PEEP: 0 to 45 cm H₂O
- Apnea ventilation: Apnea mandatory type-volume control (VC) or pressure control (PC)
- Apnea flow pattern: Square or descending ramp
- Apnea peak flow (VMAX): ≥ 1.0 L/min to ≤ 30 L/min, ≥ 3.0 L/min to ≤ 60 L/min, ≥ 3.0 L/min to ≤ 150 L/min
- Apnea tidal volume (VT): 3 mL to 315 mL for neonatal; 25 mL to 2500 mL for ped/adult
- Apnea inspiratory pressure (PI): 5 to 90 cm H₂O
- Apnea inspiratory time (TI): 0.2 to 8.0 seconds
- Apnea interval (TA): 10 to 60 seconds
- Apnea respiratory rate (f): 2.0 to 40 1/min
- Apnea O₂ %: 21% to 100%
- Apnea expiratory time (TE): ≥ 0.2 seconds

- Disconnect sensitivity (DSENS): 20% to 95% or OFF in NIV
- Humidification type: Heat-moisture exchanger (HME), nonheated expiratory tube or heated expiratory tube
- Humidification volume: 100 to 1,000 mL
- Patient circuit type: Pediatric, adult or neonate with NeoMode option

[Get the Operation Manual Here](#)