



The **Vyaire CareFusion LTV 1000** offers Volume Ventilation. With Noninvasive and Invasive Assisted control, controlled, SIMV, CPAP, and apnea modes of ventilation. The Vyaire LTV 1000 is a small portable ventilation that is easy to use. The Vyaire LTV provides a continuous bias flow of 10 Lpm during exhalation. The Ventilation system can be used in a variety of setting including in-home care, intra-hospital transport, and emergency care settings.

Features

- A wide range of ventilation therapies for patients—The LTV 1000 ventilator offers both invasive and noninvasive modes of ventilation in Pressure Support, Volume Control and Spontaneous breath types, delivered with flow triggering. An O₂ source can be used to bleed in oxygen. The addition of SIMV/CPAP and apnea backup combine to create powerful portable ventilation technology.
- Simple user operation—The easy-to-read LED display panel and front panel buttons combine to provide quick and convenient user operation.
- Multiple power sources—A wide variety of power sources are available for the LTV 1100 ventilator. The internal battery offers an extra layer of power protection to ensure security and confidence for your patient and the caregiver. The LTV 1000 ventilator can be connected directly to a wall outlet using the LTV AC adapter, to an automobile power adapter or to external battery options, including our SprintPack™ Battery Lithium-Ion Power System.



Specifications

Dimensions

W 10.5" (2cm) x H 3.25" (8.4cm) x D 13.5" (38cm)

Weight: 14.5lbs (65 kg)

Controls

Power On/Standby

Ventilation modes Control, Assist/Control, SIMV/CPAP and NPPV

Breath types VC, PS and Spontaneous

Breath rate 0–80 BPM

Tidal volume 50–2,000 mL

Inspiratory time 0.3–9.9 sec

PS/spontaneous flow 160 LPM

Pressure support 1–60 cmH₂O

O (PEEP compensated)

Flow sensitivity Off, 1–9 LPM

PEEP/CPAP 0–20 cmH₂O

Manual breath 1 x current settings

Control lock Easy or hard unlock

Environmental Specifications

Operating temperature 5–40°C (40–104°F)

Storage temperature -20 to 60°C (-4 to 140°F)

Operating humidity 15–95% relative

Storage humidity 10–95% relative

Shock compliance IEC 68-2-27, MIL-STD-810E

Vibration compliance IEC 68-2-34 and 68-2-6, MIL-STD-810E

Variable Alarms

Apnea interval 10–60 sec

High pressure limit 5–100 cmH₂O

Low peak pressure Off, 1–60 cmH₂O

Low minute volume Off, 0.1–99 liters

High PEEP Off, 3–20 cmH₂O above set PEEP

Low PEEP Off, -3 to -20 cmH₂O below set PEEP

High rate Off, 5–80 BPM

Alarm volume 60–85 dBA

Monitors and indicators

Peak inspiratory pressure 0–120 cmH₂O

Mean airway pressure 0–99 cmH₂O

PEEP 0–99 cmH₂O

Breath rate 0–250 BPM

Airway pressure display -10 to 108 cmH₂O

Exhaled tidal volume 0–4,000 mL

Exhaled minute volume 0–99.9 liters

I:E ratio 99:1 to 1:99

Calculated peak flow 10–100 LPM

Specifications continued

Extended features

Spontaneous breathing trial (SBT)
Bias flow off (pressure trigger)
Pressure support variable rise time
Pressure support variable flow termination
Pressure support variable time termination
Flow termination 10–40% peak flow
Leak compensation
Sigh
Apnea backup ventilation delivers 150% every 99 breaths or 7 minutes

Pneumatic specifications

Low pressure O₂ source < 80 LPM, < 10 PSIG
External power Green and amber LEDs
Battery charge status Green, amber and red LEDs
Battery level Green, amber and red LEDs

Fixed alarms

Disconnect/Sense
External power, low and lost
Low oxygen inlet pressure
Internal battery, low and empty
Ventilator inoperative

Power specifications

Ventilator input 11–15 VDC
AC adapter 100–250 VAC, 50–60 Hz