



The Vyair LTV 1150 is a portable ventilator that was designed for maximum functionality while being so small. LTV 1150 is a Turbine based ventilator that can run without the use of external compressed gas resources. Offering non-invasive CPAP, SIMV, Control, Assist/Control, and Apnea Backup Ventilation modes. The Vyair LTV 1150 can be used either at home use or at post-acute care facilities, on both adult and pediatric patients. With its SpritPack dual Lithium battery pack, it makes it easy to travel in comfort with 5 hours of battery life when fully charged.

Features

- High performance ventilation in a small lightweight package
- The turbine technology allows the ventilator to operate without external sources of gases needed
- CPAP, SIMV, Control, Assist/Control and Apnea backup ventilation modes
- Pediatric and Adult ventilation use permitted minimum weight of 11 lbs (5kg)
- Offers a variety of power sources from AC Power, Internal battery and external DC power sources
- Lockable front panel Controls



Specifications

Dimensions

W 10.5" (2cm) x H 3.25" (8.4cm) x D 13.5" (38cm)
Weight: 14.5lbs (6.5 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-810F
Vibration compliance IEC 68-2-34 and 68-2-6, MIL-STD-810F

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