LTV2™ ventilator series
(patients 10 kg to adult)
Proven care and performance in portable ventilation
The ventilation tools you need throughout the continuum of care for patients 10 kg and above

With enhanced features, the new LTV2 ventilator series provides the power and portability needed for your early mobility and patient transport needs. The new LTV2 ventilators also provide improved patient synchrony in a compact, lightweight size with longer lasting hot swappable battery power.

Compact, deployable design
The small, lightweight LTV2 provides sophisticated critical care ventilation in Healthcare institutional use and intra-hospital transport environments. The LTV2 supports both invasive and non-invasive applications. It combines portability, impact-resistant construction, easy-to-read displays and comprehensive monitoring. A single solution for any patient weighing 10 kg or more, the LTV2 weighs only 11.5 lbs and is a pick-up-and-go solution that can travel with patients from field care to transport to the intensive care unit (ICU). It can take advantage of any 12-volt power source from cigarette lighters to outlets—and its internal battery allows it to be transferred from one power source to the next without interruption. Intuitive controls allow first responders to deploy the system with minimal retraining.

Quick patient ventilation
Choose pediatric or adult to quickly configure initial ventilation before optimizing settings for each patient’s needs. This feature aids in simple and effective emergency set-up.

Repurpose ease
While the LTV2 can be stockpiled for use in emergencies, many of our customers use the LTV2 in hospital settings. More versatile than transport ventilators and significantly smaller than ICU systems, the LTV2 has intuitive controls and comprehensive monitoring capabilities that can play an essential role in day-to-day healthcare delivery and mass-casualty medical care.

Oxygen (O₂) resource management
The O₂ Conserve feature reduces O₂ consumption when the time and place of care require it. This feature helps extend the sometimes scarce resource of O₂ during transport or emergencies and may be turned off when O₂ resources are again in full supply.

Improved portability and enhanced power capabilities make the LTV2 ventilator series the right choice for any situation
With enhanced features, the new LTV2 ventilator series provides the power and portability needed for your patient transport needs. The new LTV2 ventilators also provide improved patient synchrony in a compact, lightweight size with unlimited hot swappable battery power.

Hot swappable battery
• Uninterrupted freedom with 4-hour hot swappable battery
• 3.5-hour internal battery
• Two hot swappable batteries can simultaneously recharge in 2 hours
• Easy to read and accessible battery level check
Customizable system configurations

The LTV2 ventilator system can be custom-configured with a wide range of accessories to meet the needs of demanding care environments.

**Accessories**

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hot swappable battery</td>
<td>26618-001</td>
</tr>
<tr>
<td>Desktop charger, English overlay</td>
<td>22770-001</td>
</tr>
<tr>
<td>LTV2, external power cable</td>
<td>34093-001</td>
</tr>
<tr>
<td>Cable, external battery, LTV2</td>
<td>22758-001</td>
</tr>
<tr>
<td>Power wheelchair adapter</td>
<td>28905-001</td>
</tr>
<tr>
<td>Automobile power adapter</td>
<td>22759-001</td>
</tr>
<tr>
<td>Transport bag</td>
<td>29673-001</td>
</tr>
<tr>
<td>Table stand</td>
<td>30509-001</td>
</tr>
<tr>
<td>Bed-rail mount</td>
<td>30512-001</td>
</tr>
<tr>
<td>Power cord 100/120V, 10A, 3 m, Class I</td>
<td>25343-002</td>
</tr>
<tr>
<td>Oxygen hose, 3 m, DISSF/DISSF, GREEN</td>
<td>25531-001</td>
</tr>
<tr>
<td>Hard Case with Wheels</td>
<td>14856-001</td>
</tr>
</tbody>
</table>

**Specifications**

**Physical specifications with boots (approx.)**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>11.5 lbs (5.2kg) (without battery)</td>
</tr>
<tr>
<td>Height</td>
<td>3.5” (8.9 cm)</td>
</tr>
<tr>
<td>Width</td>
<td>10.75” (27.3 cm)</td>
</tr>
<tr>
<td>Depth</td>
<td>14” (35.6 cm)</td>
</tr>
</tbody>
</table>

**Variable alarms**

<table>
<thead>
<tr>
<th>Alarm</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apnea interval</td>
<td>10–60 seconds</td>
</tr>
<tr>
<td>High pressure limit</td>
<td>5–99 cmH₂O (4.9 to 97.1 hPa)</td>
</tr>
<tr>
<td>Low peak pressure</td>
<td>Off, 1–60 cmH₂O (1–59 hPa)</td>
</tr>
<tr>
<td>Low minute volume</td>
<td>Off, 0.1–99 liters</td>
</tr>
<tr>
<td>High PEEP</td>
<td>Off, 3–20 cmH₂O (3–20 hPa) above set PEEP</td>
</tr>
<tr>
<td>Low PEEP</td>
<td>Off, -3--20 cmH₂O (-3--20 hPa) below set PEEP</td>
</tr>
<tr>
<td>High breath rate</td>
<td>Off, 5–80 bpm</td>
</tr>
<tr>
<td>Alarm volume</td>
<td>63–80 dBA at 1 meter</td>
</tr>
</tbody>
</table>

**Controls**

- **Power**: On/standby
- **Modes**: Control, Assist/Control, SIMV, CPAP, NPPV, apnea backup
- **Breath types**: Volume, pressure, pressure support, sigh, spontaneous
- **Breath rate**: 1–80 bpm
- **Tidal volume**: 50–2000 mL
- **Inspiratory time**: 0.3–9.9 seconds
- **Pressure support**: 1–60 cmH₂O (1–59 hPa)
- **Pressure control**: 4–98 cmH₂O (4–96 hPa) Off, 4–60 cmH₂O (NPPV) (4–59 hPa)
- **Sensitivity**: Off, 1–9 lpm
- **PEEP/CPAP**: 0–20 cmH₂O (0–20 hPa)
- **Insp/Exp hold**: 6 second maximum
- **Bias flow**: 0, 5–15 lpm
- **Variable flow termination**: 10–70%
- **Leak compensation**: Up to 11 lpm

**Monitors and indicators**

- **Peak inspiratory pressure**: 0–99 cmH₂O (0–97 hPa)
- **Mean airway pressure**: 0–99 cmH₂O (0–97 hPa)
- **PEEP**: 0–99 cmH₂O (0–97 hPa)
- **Breath rate**: 0–98 bpm
- **Airway pressure display**: -10–100 cmH₂O (-10–98 hPa)
- **Exhaled tidal volume**: 50–4000 mL
- **Exhaled minute volume**: 0–99.9 liters
- **I:E Ratio**: 99:1 and 1:99
- **Calculated peak flow**: 5–100 lpm
- **AutoPEEP**: 0–99 cmH₂O (0–97 hPa)
- **Static compliance**: 1–999 mL/cmH₂O
- **Patient effort**: Green LED
- **Data**: VOXP and serial data

**Fixed alarms**

- Circuit disconnect/sense line
- External power low and lost
- Internal battery low and empty
- Removable battery low and empty
- Ventilator inoperative

**Extended features**

- Spontaneous breathing trial (SBT)
- Ventilator presets (Infant, pediatric and adult)
- Variable rise time
- Variable flow termination
- Variable time termination
- Battery ops
- Pressure control flow termination
- Leak compensation
- Queries
  - O₂ conserve (2200 model only)

**Pneumatic specifications**

- **Low pressure source**: <80 lpm, <10 PSIG (170 KPa)
- **Pressure oxygen**: 40–80 PSIG (276–552 KPa)

**Power indicators**

- External power: Green LED
- Battery charge status: Digital display
- Internal battery in use: Green LED
- Removable battery in use: Green LED
- Internal/Removable: Blinking green LED

**Power specifications**

- **Ventilator input**: 11–29 VDC
- **AC Adaptor input**: 100–240 VAC, 50–60 Hz
- **AC Adaptor output**: 15 Vdc

**Environmental specifications**

- **Operating temperature**: 5–40 °C (40–104 °F)
- **Storage temperature**: -20–60 °C (-4–140 °F)
- **Operating humidity**: 15–95% relative
- **Storage humidity**: Up to 93% relative

**Standards and regulatory compliance**

- IEC 60601-1
- 3rd edition alarms
- Ingress protection IP22
- Vibration compliance: IEC 6068-2-6 / IEC 6068-2-64
- Shock compliance: IEC 60606-2-27
- RTCA/DO160G: 2010 EMC tests

LTV2 ventilator product specifications are subject to change. Consult your sales representative or Vyaire Medical if you have any questions regarding updates to the product specifications.
For U.S. distribution under the EUA.
The LTV2 EUA has not been FDA approved or cleared. It has been authorized by the FDA under an emergency use authorization to provide continuous or intermittent ventilatory support for the care of individuals who require mechanical ventilation. The LTV2 is for institutional use only and shall only be utilized for the duration of the public health emergency. © 2020 Vyaire. Vyaire, the Vyaire logo and all other trademarks or registered trademarks are property of Vyaire Medical, Inc., or one of its affiliates. VYR-US-2000108