



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

Specifications

Physical specifications with boots (approx.)

Weight	11.5 lbs (5.2kg) (without battery)
Height	3.5" (8.9 cm)
Width	10.75" (27.3 cm)
Depth	14" (35.6 cm)

Variable alarms

Apnea interval	10–60 seconds
High pressure limit	5–99 cmH ₂ O (4.9 to 97.1 hPa)
Low peak pressure	Off, 1–60 cmH ₂ O (1–59 hPa)
Low minute volume	Off, 0.1–99 liters
High PEEP	Off, 3–20 cmH ₂ O (3–20 hPa) above set PEEP
Low PEEP	Off, -3--20 cmH ₂ O (-3--20 hPa) below set PEEP
High breath rate	Off, 5–80 bpm
Alarm volume	63–80 dBA at 1 meter

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 cmH ₂ O (1–59 hPa)
Pressure control	4–98 cmH ₂ O (4–96 hPa) Off, 4–60 cmH ₂ O (NPPV) (4–59 hPa)
Sensitivity	Off, 1–9 lpm
PEEP/CPAP	0–20 cmH ₂ O (0–20 hPa)
Insp/Exp hold	6 second maximum
Manual breath	1 x current settings
Control lock	Easy or hard unlock options
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 cmH ₂ O (0–97 hPa)
Mean airway pressure	0–99 cmH ₂ O (0–97 hPa)
PEEP	0–99 cmH ₂ O (0–97 hPa)
Breath rate	0–98 bpm
Airway pressure display	-10–100 cmH ₂ O (-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 cmH ₂ O (0–97 hPa)
Static compliance	1–999 mL/cmH ₂ O
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
O ₂ 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 60068-2-6 / IEC 60068-2-64
Shock compliance IEC 60068-2-27
RTCA/DO160G: 2010 EMC tests

LTV2 ventilator product specifications are subject to change. Consult your sales representative or Vyair Medical if you have any questions regarding updates to the product specifications.

GLOBAL HEADQUARTERS

Vyaire Medical, Inc.
26125 North Riverwoods Blvd
Mettawa, IL 60045, USA

[vyaire.com](https://www.vyaire.com)

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

vyaire[™]
M E D I C A L