

Proven care and performance in portable ventilation

LTV[®] 1200 ventilator (*patients 5 kg to adult*)



The ventilation tools you need throughout the continuum of care for patients 5 kg and above

The LTV® Series ventilator is an essential part of an emergency preparedness plan and can help provide a ventilation response to mass casualty incidents—from influenza outbreaks to biological warfare attacks to natural disasters.

Compact, deployable design

The small, lightweight LTV provides sophisticated critical care ventilation in austere environments. The LTV 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 5 kg or more, the LTV weighs only 14.5 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 infant, 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 LTV can be stockpiled for use in emergencies, many of our customers use the LTV in hospital settings. More versatile than transport ventilators and significantly smaller than ICU systems, the LTV 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.



SprintPack Lithium-Ion Power System

The SprintPack Lithium-Ion Power System is equipped with advanced technology designed to empower its users with comfort, confidence and convenience. Lithium-ion technology provides the greatest degree of power density in the lightest weight package of any battery type. This provides LTV ventilator users longer battery power in a smaller and lighter package. The SprintPack Lithium-Ion Power System also provides a higher number of full recharging cycles that extend the life of the battery to provide greater long-term value.

Customizable system configurations

The LTV 1200 ventilator system can be custom-configured with a wide range of accessories to meet the needs of demanding care environments.

Accessories	Part number
LTM graphics monitor package	17650-001
Floor stand	10611
Short crossbar	11451
Long crossbar	11452
Circuit support arm	11501
Humidifier pole	11453
Utility basket	11450
SprintPack Lithium-Ion Power System	19222-001
SprintPack bracket	19096-001
SprintPack transport pack	19102-001

Specifications

Physical specifications with boots (approx.)	
Weight	14.5 lb (6.5 kg)
Height	3.25" (8.4 cm)
Width	10.5" (27 cm)
Depth	13.5" (38 cm)
Variable alarms	
Apnea interval	10–60 sec
High pressure limit	5–100 cmH ₂ O
Low peak pressure	Off, 1–60 cmH ₂ O
Low minute volume	Off, 0.1–99 L
High PEEP	Off, 3–20 cmH ₂ O above set PEEP
Low PEEP	Off, -3– -20 cmH ₂ O below set PEEP
High rate	Off, 5–80 BPM
Alarm volume	60–85 dBA

Controls	
Power	On/Standby
Ventilation modes	Control, Assist/Control, SIMV/CPAP and NPPV
Breath types	VC, PC, PS and spontaneous
Breath rate	0–80 BPM
Tidal volume	50–2,000 mL
Inspiratory time	0.3–9.9 sec
PC/PS/Spontaneous flow	160 LPM
Pressure control	1–99 cmH ₂ O
Pressure support	1–60 cmH ₂ O
Sensitivity	Off, 1–9 LPM
O ₂ %	21–100%
O ₂ flush	1–3 min
Low pressure O ₂	On/Off
PEEP/CPAP	0–20 cmH ₂ O
Insp/Exp hold	6 seconds maximum
Manual breath	1x current settings
Control lock	Easy or hard unlock options

Monitors and indicators	
Peak inspiratory pressure	0–120 cmH ₂ O
Mean airway pressure	0–99 cmH ₂ O
PEEP	0–99 cmH ₂ O
Breath rate	0–250 BPM
Airway pressure display	-10–108 cmH ₂ O
Exhaled tidal volume	0–4,000 mL
Exhaled minute volume	0–99.9 L
I:E ratio	99:1–1:99
Calculated peak flow	10–100 LPM
AutoPEEP	0–100 cmH ₂ O
Static compliance	1–999 mL/cmH ₂ O
Patient effort	Green LED

Fixed alarms	
Disconnect/Sense	
External power low and lost	
High and low O ₂ inlet pressure	
Internal battery low and empty	
Ventilator inoperative	

Extended features	
SBT	
Ventilator presets (<i>infant, pediatric and adult</i>)	
Variable rise time	
Variable flow termination	
Variable time termination	
Pressure control flow termination	
Leak compensation	
O ₂ conserve	
O ₂ cylinder duration calculation	
O ₂ flush	
Apnea interval	
Pneumatic specifications	
High pressure O ₂ source	40–80 PSIG (2.8–5.5 bar)
Low pressure O ₂ source	< 80 LPM, < 10 PSIG
Power indicators	
External power	Green and amber LEDs
Battery charge status	Green, amber and red LEDs
Battery level	Green, amber and red LEDs
Power specifications	
Ventilator input 11–15 VDC	
AC adapter input 100–250 VAC	
50–60 Hz	
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	10–95% relative
Shock compliance	MIL-STD-810F
Vibration compliance	MIL-STD-810F
Standards and regulatory compliance	
RTCA/DO-160F	
ANSI/UL STD 60601-1	
IEC 60601-2-12	
cETLus	
CAN/CSA C22.2 STD NO. 601.1	

For more information, contact Customer Service at **800.754.1914** in the United States and **+1 763.398.8300** internationally.



 **Caution**—U.S. Federal law restricts this device to sale by or on the order of a physician.

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