



Proven critical care performance in portable ventilation

LTV® 1000 ventilator (patients 5 kg to adult)

Powerful, lightweight, proven ventilation technology

At a fraction of the size of comparably equipped systems, the LTV® 1000 ventilator provides the ventilation solutions you need throughout the continuum of patient care. Turbine technology eliminates the need for compressed air, allowing transport ventilation where and when you need it. The LTV 1000 ventilator can be used on the ground, in the air and throughout the hospital.

Versatility and convenience

The LTV 1000 ventilator is available for use on a stand, in a backpack or in a custom carrier. It has the versatility to be mounted inside air or ground transport using the LTV dovetail bracket mounting system or a custom fitting bracket for your medical patient transport vehicle. The easy to read LED display panel and front panel buttons combine for quick and convenient operation for the user.

Multiple power sources

A wide variety of power sources are available for the LTV 1000 ventilator. The internal battery offers an extra layer of power protection 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 Lithium-Ion Power System.

A wide range of ventilation therapies for patients

The LTV 1000 ventilator offers both Invasive and Noninvasive modes of ventilation in Pressure Control, Pressure Support, Volume Control and Spontaneous Breath Types, delivered with flow triggering. A built-in blender provides O₂ from 21 to 100% or a low pressure O₂ source can be used to bleed in oxygen. The addition of SIMV, CPAP and Apnea Back-up combine to create flexible portable ventilation technology.



LTV 1000 ventilator specifications

Physical specifications		With boots
Weight	13.4 lbs (5.83 kg)	14.5 lbs (6.5 kg)
Height	3" (8 cm)	3.25" (8.4 cm)
Width	10" (25 cm)	10.5" (27 cm)
Depth	12" (30 cm)	13.5" (38 cm)
Variable alarms		
Apnea interval	10 to 60 seconds	
High pressure limit	5 to 100 cmH ₂ O	
Low peak pressure	Off, 1 to 60 cmH ₂ O	
Low minute volume	Off, 0.1 to 99 liters	
High PEEP	Off, 3 to 40 cmH ₂ O	
High rate	Off, 5 to 80 bpm	
Alarm volume	60 to 85 dBA	
Alarm silence/reset	60 seconds	
Ventilator inoperative	Red LED, audible alarm	

Controls	
Power	On/standby
Ventilation modes	Control, Assist/Control, SIMV/CPAP and NPPV
Breath types	VC, PC, PS and Spontaneous
Breath rate	0 to 80 bpm
Tidal volume	50 to 2,000 mL
Inspiratory time	0.3 to 9.9 seconds (100 lpm)
PC/PS/Spont. flow	160 lpm
Pressure control	1 to 99 cmH ₂ O
Pressure support	Off, 1 to 60 cmH ₂ O
Sensitivity	Off, 1 to 9 lpm
% O ₂	21% to 100%
O ₂ flush	1 to 3 minutes
Low pressure O ₂	On/off
PEEP/CPAP	0 to 20 cmH ₂ O
Insp/exp hold	6 second maximum
Manual breath	1 x current settings
Control lock	Easy or hard unlock options
Bias flow	10 lpm during exhalation

Monitors and indicators	
Peak inspiratory pressure	0 to 120 cmH ₂ O
Mean airway pressure	0 to 99 cmH ₂ O
PEEP	0 to 99 cmH ₂ O
Total breath rate	0 to 250 bpm
Airway pressure display	-10 to 108 cmH ₂ O
Exhaled tidal volume	0 to 4,000 mL
Exhaled minute volume	0 to 99.9 liters
I:E ratio, measured	99:1 to 1:99
Calculated peak flow	10 to 100 lpm
AutoPEEP	0 to 999 cmH ₂ O
Static compliance	1 to 999 mL/cmH ₂ O
Patient effort	Green LED
Fixed alarms	
Disconnect/sense line	
External power low and lost	
High and low oxygen inlet pressure	
Internal battery low and empty	
Dual tones patient assist alarm	

Extended features
Variable rise time: 1 to 9 profile
Variable flow termination: 10% to 40%
Variable time termination: 0.3 to 3.0 seconds
Leak compensation: On/off
O ₂ cylinder duration calculation
Apnea backup ventilation


Pneumatic specifications	
High pressure O ₂ source	40 to 80 PSIG (2.8 to 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 to 15 VDC	
AC adapter input 100 to 250 VAC, 50 to 60 Hz	
Environmental specifications	
Operating temperature	5° to 40° C (40° to 104° F)
Storage temperature	-20° to 60° C (-4° to 140° F)
Operating humidity	15% to 95% relative
Storage humidity	10% to 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	


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

For more information, please contact Customer Service within the United States at: 800.754.1914, and International at: +1 763.398.8300.

LTV 1000 product specifications are subject to change. Please consult your Sales Representative or CareFusion if you have any questions regarding updates to the product specifications.

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

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