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 O\textsubscript{2} from 21 to 100% or a low pressure O\textsubscript{2} 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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Weight</td>
<td>13.4 lbs (5.83 kg)</td>
</tr>
<tr>
<td>Height</td>
<td>3” (8 cm)</td>
</tr>
<tr>
<td>Width</td>
<td>10” (25 cm)</td>
</tr>
<tr>
<td>Depth</td>
<td>12” (30 cm)</td>
</tr>
</tbody>
</table>

### Variable alarms

- Apnea interval: 10 to 60 seconds
- High pressure limit: 5 to 100 cmH₂O
- Low peak pressure: Off, 1 to 60 cmH₂O
- Low minute volume: Off, 0.1 to 99 liters
- High PEEP: Off, 3 to 40 cmH₂O
- 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 cmH₂O
- Pressure support: Off, 1 to 60 cmH₂O
- Sensitivity: Off, 1 to 9 lpm
- % O₂: 21% to 100%
- O₂ flush: 1 to 3 minutes
- Low pressure O₂: On/off
- PEEP/CPAP: 0 to 20 cmH₂O
- 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 cmH₂O
- Mean airway pressure: 0 to 99 cmH₂O
- PEEP: 0 to 99 cmH₂O
- Total breath rate: 0 to 250 bpm
- Airway pressure display: -10 to 108 cmH₂O
- 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 cmH₂O
- Static compliance: 1 to 999 mL/cmH₂O
- Patient effort: Green LED

### 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
- O₂ cylinder duration calculation
- Apnea backup ventilation

### Pneumatic specifications

- High pressure O₂ source: 40 to 80 PSIG (2.8 to 5.5 bar)
- Low pressure O₂ source: < 8 lpm, < 10 PSIG

### 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

<table>
<thead>
<tr>
<th>Description</th>
<th>Part number</th>
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<tbody>
<tr>
<td>LTM™ Graphics Monitor package</td>
<td>17650-001</td>
</tr>
<tr>
<td>Floor stand</td>
<td>10611</td>
</tr>
<tr>
<td>Short crossbar</td>
<td>11451</td>
</tr>
<tr>
<td>Long crossbar</td>
<td>11452</td>
</tr>
<tr>
<td>Circuit support arm</td>
<td>11501</td>
</tr>
<tr>
<td>Humidifier pole</td>
<td>11453</td>
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<tr>
<td>Utility basket</td>
<td>11450</td>
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<tr>
<td>SprintPack Lithium-Ion Power System</td>
<td>19222-001</td>
</tr>
<tr>
<td>SprintPack bracket</td>
<td>19096-001</td>
</tr>
<tr>
<td>SprintPack transport pack</td>
<td>19102-001</td>
</tr>
</tbody>
</table>

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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