

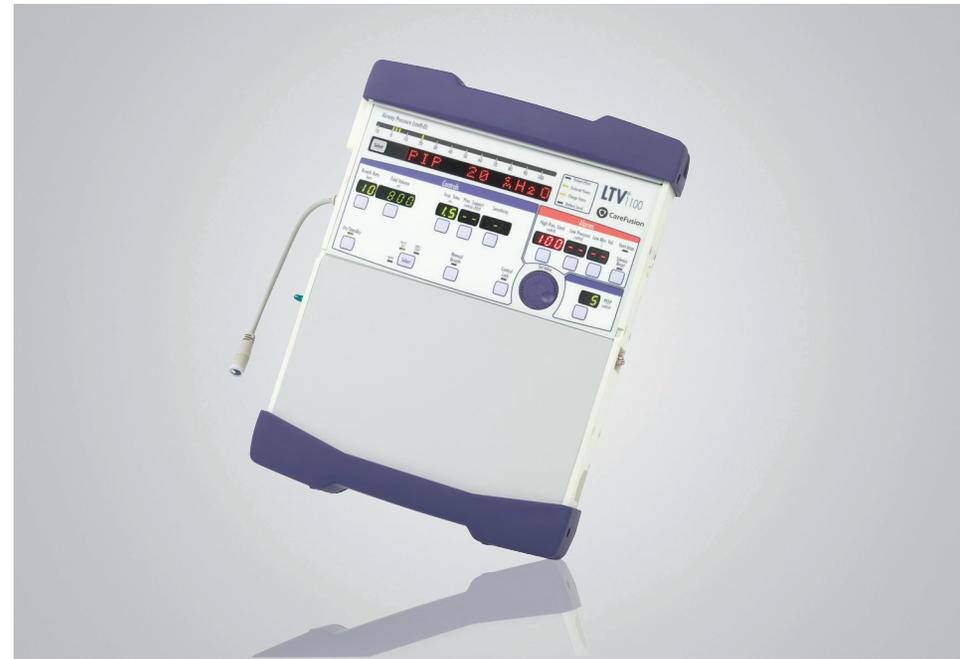
# Experience the freedom

## LTV™ 1100 ventilator

### Confidence, versatility and comfort

The LTV™ 1100 ventilator allows customizable settings for infants to adults for increased patient success through periods of stability or acceleration of their respiratory conditions.

With over 86,000 LTV ventilators installed throughout the world, the LTV technology and reliability in patient care is established and growing.





## Powerful, lightweight, proven ventilation technology

The LTV 1100 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.

**A wide range of ventilation therapies for patients**—The LTV 1100 ventilator offers both invasive and noninvasive modes of ventilation in Pressure Support, Volume Control and Spontaneous breath types, delivered with flow triggering. An O<sub>2</sub> source can be used to bleed in oxygen. The addition of SIMV/CPAP and apnea backup combine to create powerful portable ventilation technology.

**Simple user operation**—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 1100 ventilator. The internal battery offers an extra layer of power protection, ensuring security and confidence for your patient and the caregiver. The LTV 1100 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.

### Confidence

The LTV 1100 ventilator combines high level patient care with clear, easy operation for the caregiver. A patient on an LTV 1200 ventilator in a hospital may transfer almost seamlessly to the LTV 1100 ventilator to go home. This reduces strain on the patient and increases the caregiver's confidence that the patient will have a successful transition to home. The LTV ventilator offers easy and secure solutions for travel, reducing the need for any changes in patient care or caregiver training—to move smoothly through both the interruptions and routines of daily life.

### Versatility

The slim profile of the LTV 1100 ventilator allows portability and convenience in a home care ventilator. Use the LTV on a stand, in a backpack or in a custom carrier. Mount it on a wall, the frame of a bed or have multiple mounting places throughout your home or care center using the LTV dovetail bracket mounting system. You may even install a mounting bracket in your automobile or van.\*

### Comfort

Use the LTV 1100 ventilator with the SprintPack Lithium-Ion Power System and travel with comfort and confidence. The SprintPack dual battery system provides up to five hours of battery power when fully charged. In addition, the LTV 1100 ventilator has an internal battery for emergency backup, providing an extra layer of security.

\* We recommend that the strength and integrity of the surface you choose to install a mounting bracket is sufficient to withstand the required load.

# LTV 1100 ventilator 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)

## Controls

Power	On/Standby
Ventilation modes	Control, Assist/Control, SIMV/CPAP and NPPV
Breath types	VC, PS and Spontaneous
Breath rate	0–80 BPM
Tidal volume	50–2,000 mL
Inspiratory time	0.3–9.9 sec
PS/spontaneous flow	160 LPM
Pressure support	1–60 cmH <sub>2</sub> O (PEEP compensated)
Flow sensitivity	Off, 1–9 LPM
PEEP/CPAP	0–20 cmH <sub>2</sub> O
Manual breath	1 x current settings
Control lock	Easy or hard unlock

## Environmental specifications

Operating temperature	5–40°C (40–104°F)
Storage temperature	-20 to 60°C (-4 to 140°F)
Operating humidity	15–95% relative
Storage humidity	10–95% relative
Shock compliance	IEC 68-2-27, MIL-STD-810E
Vibration compliance	IEC 68-2-34 and 68-2-6, MIL-STD-810E

## Variable alarms

Apnea interval	10–60 sec
High pressure limit	5–100 cmH <sub>2</sub> O
Low peak pressure	Off, 1–60 cmH <sub>2</sub> O
Low minute volume	Off, 0.1–99 liters
High PEEP	Off, 3–20 cmH <sub>2</sub> O above set PEEP
Low PEEP	Off, -3 to -20 cmH <sub>2</sub> O below set PEEP
High rate	Off, 5–80 BPM
Alarm volume	60–85 dBA

## Monitors and indicators

Peak inspiratory pressure	0–120 cmH <sub>2</sub> O
Mean airway pressure	0–99 cmH <sub>2</sub> O
PEEP	0–99 cmH <sub>2</sub> O
Breath rate	0–250 BPM
Airway pressure display	-10 to 108 cmH <sub>2</sub> O
Exhaled tidal volume	0–4,000 mL
Exhaled minute volume	0–99.9 Liters
I:E ratio	99:1 to 1:99
Calculated peak flow	10–100 LPM

## Extended features

Spontaneous breathing trial (SBT)
Bias flow off (pressure trigger)
Pressure support variable rise time
Pressure support variable flow termination
Pressure support variable time termination
Flow termination 10–40% peak flow
Leak compensation
Sigh
Apnea backup ventilation delivers 150% every 99 breaths or 7 minutes

## Pneumatic specifications

Low pressure O <sub>2</sub> source	< 80 LPM, < 10 PSIG
External power	Green and amber LEDs
Battery charge status	Green, amber and red LEDs
Battery level	Green, amber and red LEDs

## Fixed alarms

Disconnect/Sense
External power, low and lost
High and low oxygen inlet pressure
Internal battery, low and empty
Ventilator inoperative

## Power specifications

Ventilator input 11–15 VDC
AC adapter 100–250 VAC, 50–60 Hz

## Accessories

Floor stand	10611
Table stand	10695
SprintPack Lithium-Ion Power System	19222-201
SprintPack transport pack	19102-001
Freedom Carrier for LTV ventilator and SprintPack Lithium-Ion Power System	19184-001

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

LTV 1100 product specifications are subject to change. Please consult your Sales Representative or BD 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.

 **BD**  
22745 Savi Ranch Parkway  
Yorba Linda, CA 92887  
800.231.2466 toll-free  
714.283.2228 tel  
714.283.8493 fax

  
0086

[bd.com/LTV1100](http://bd.com/LTV1100)

