

# Pulmonetic LTV-1200

## Ventilator

The LTV 1200's ease of use and versatility ensure optimal patient care across clinical settings

### EASE OF USE

Ventilator setup for new patients is quick and easy. Presets allow the clinician to select the patient type, and the LTV 1200 automatically configures the initial ventilation settings for infant, pediatric or adult patients. Clinicians can optimize ventilator presets using the intuitive LTV 1200 interface. Active controls and alarm settings are illuminated for easy identification of ventilation parameters.

### FLEXIBLE THERAPY OPTIONS

The LTV 1200 provides both invasive and non-invasive modes of ventilation for patients as small as 5 kg. A wide range of ventilation therapies are available to meet demanding patient needs, including volume control, pressure control, pressure support and spontaneous breath types. The system features an enhanced non-invasive mode for quick patient setup. Clinicians can simply set the desired inspiratory and expiratory pressure levels to begin non-invasive ventilation.

### WEANING ASSESSMENT TOOLS

Identifying patients ready to be weaned from ventilation can help reduce complications and minimize care related costs. The LTV 1200 features an innovative spontaneous breathing trial, which utilizes rapid shallow breathing index (RSBI) criteria to assess a patient's ability to be weaned. Clinicians can customize trial settings to each individual patient, ensuring optimal levels of support throughout the weaning process.

### ENHANCED MONITORING CAPABILITIES

Upgrade the system with the LTM graphics monitor and the LTV 1200 provides clinicians with even more comprehensive monitoring of critical patient-ventilator interaction. The graphics monitoring package displays real-time pressure, flow and volume curves with adjustable cursors for accurate breath data measurement. The LTM also displays flow/volume loops and volume/pressure loops to enhance patient assessment. Patient data can be trended for up to 24 hours for clinical evaluation.



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## Technical Specifications

### Physical specifications with boots (approx.)

Weight:	14.5 lbs (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, PC, PS and spontaneous
Breath rate:	0 to 80 bpm
Tidal volume:	50 to 2000 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:	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

### 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
Low PEEP:	Off, -3 to -20 cmH2O
High Rate:	Off, 5 to 80 cmH2O
Alarm Volume:	60 to 85 dBA at 1 meter

### Monitors and Indicators

Peak Inspiratory Pressure:	0 to 120 cmH2O
Mean Airway Pressure:	0 to 99 cmH2O
PEEP:	0 to 99 cmH2O
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:	99:1 to 1:99
Calculated Peak Flow:	10 to 100 lpm
Static Compliance:	1.999 ml/ cmH2O
Patient Effort:	Green LED

### Extended Features

Spontaneous Breathing Trial (SBT)
Ventilator Presets (Infant, Pediatric, Adult)
Variable Rise Time
Variable Flow Termination
Variable Time Termination
Pressure Control Flow Termination
Leak Compensation
O2 Cylinder Duration Calculation
O2 Flush Apnea Backup Ventilation

### Fixed Alarms

Disconnect/Sense Line
External Power Low and Lost
High and Low Oxygen Inlet Pressure
Internal Battery Low and Empty
Ventilator Inoperative

### Pneumatic Specifications

Pressure Oxygen:	40 to 80 PSIG (2.8 to 5.5 bar)
Low Pressure 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

11 to 15 VDC
90 to 250 VAC
47 to 63 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:	15% to 95% relative
Shock Compliance:	MIL-STD-810E
Vibration Compliance:	MIL-STD-810E