PURITAN BENNETT® LP10® PORTABLE VENTILATOR

- Designed for smooth transition from critical care ventilation
- Meets a broad range of pediatric and adult needs.
- Decreased internal resistance reduces breathing efforts in SIMV mode
- Reliable ventilator monitoring displays

Specifications

Power Line	110 VAC range (100-127 VAC) or 220 VAC range (220-240 VAC), 50/60 Hz, external voltage selector switch
Power Usage Maximum	630 kW hours per year
Nominal	315 kW hours per year
External Battery	Approximately 20 hours operation with 75-80 ampere-hour 12 VDC deep-cycle, gel-cell battery; approximately 10 hours with 35-40 ampere-hour 12 VDC deep-cycle, gel-cell battery
Internal Battery	Up to 1 hour operation
Type, Volume Ventilator	Motor: Brushless induction
Pump	Piston, 100-2200 mL tidal volume capability
Front Panel Touch Pads	Alarm Silence/Reset: Push button to silence alarm or to reset; used with Battery Test button to read operating hours on Patient Pressure meter
Battery Test	Push button to show charge level on lower window of Patient Pressure meter

Mode: Standby, Assist/Control, SIMV or Pressure Cycle

Pressure Limit   Locking knob sets pressure from 15 to 50 cmH2O, or disables limit feature

Low Pressure Alarm   2-32 cmH2O in increments of 2 cmH2O

High Pressure Alarm Limit   (Assist/Control, SIMV Modes) or limit for Pressure Cycle mode 15-90 cm H2Oin increments of 5 cmH2O

Volume   Push-to-turn knob from 100 to 2200 mL

Breath Rate   1-20 BPM in increments of 1 BPM and 22-38 BPM in increments of 2 BPM

Inspiratory Time   From 0.5 to 1.0 seconds in increments of 0.1 seconds;

1.2 seconds; and 1.5-5.5 seconds in increments of 0.5 seconds

Breathing Effort   Push-to-turn knob sets pressure level to detect breathing effort: -10 cmH2O to +10 cm H2O. Front Panel Input Patient Pressure: Port for connection to proximal pressure line of patient circuit

Front Panel Output   Patient Air: 22 mm x 15 mm tube for connection to bacteria filter.Exhalation Valve: Port for connection to exhalation valve of patient circuit

Indicators, Normal Events   Patient Pressure Meter: Displays patient pressure -10 to +100 cmH2O; can also display battery charge and machine hours of operationBreathing Effort: Green LED activated by adequate patient breathing effortPower: LEDs indicate operating power source (green AC Pwr/Batt Chg, amber External Battery, flashing amber Internal Battery)Alarms: Flashing red LEDs (Low Pressure/Apnea, Low Power,

	High Pressure, Setting Error, Power Switchover)
Audible Alarms	Pulsating Tone: Low Pressure/Apnea; Low Power, High Pressure, Setting Error, Power Switchover. Steady Tone: Loss of microprocessor control. Reminder Tone: Every 5 minutes when powered by Internal Battery and each time accessory printer generates report
Rear Panel Controls	AC Circuit Breaker: Internal to AC power switch (1 for ON, 0 for OFF)
Rear Panel Inputs	Inlet Filter: Intake for patient air; screw-off cap for filter change. External Battery: Connection for 12 VDC battery
Rear Panel Outputs	Communication Port: Calibration information during service procedure Vent: Cooling vent for internal ventilator components Remote Alarm: Connection for optional alarm accessories Communication Port: Connection for optional printer and digital display
Maintenance	Preventive maintenance by qualified professional every 6000 hours or recertification every 12 months, whichever is first
Dimensions	9.75" H x 14.5" W x 13.25" D (24.6 cm x 36.8 cm x 33.6 cm)
Weight	Approximately 35 lb (15.9 kg)
Resistance Factor	Less than 0.05 cmH2O/LPM
Emergency Pressure Relief	Approximately 100 cmH2O
Flow	20-100 LPM