

## FEATURES VENTILATED PATIENTS WANT:

- Small device, attractively styled, highly portable, which would reduce the visibility of the person's handicap. "Having the appearance of an attractive toy" rather than a life sustaining device.
- A low tone interface with minimal alarms and blinking red lights.
- User friendly controls, without a cumbersome safety and verification protocol.
- No LED/LCD display, which do not function perfectly in varying lighting conditions. No adjustment for the display from day to night, wide panel viewing angle and no electrical power robbing lighting features, which reduce battery running time and heat up the device.
- Panel controls which do not need to be tested for functionality, and do not require scrolling through a long list of numerals to obtain the desired setting.
- A service free device, which will not necessitate having a backup device.
- The ventilator weight to be low enough for a weak patient to carry from one room to another without a cart.
- No warning stickers, such as: "keep dry" "keep away from heat and sunlight" "Clean with mild detergent only "

### Specifications:

Power: 100-240 VAC, 50/60 Hz, universal AC input.  
Internal rechargeable battery, 10-15 hours at average setting.  
External battery / Car cigarette lighter – 12-14 Volt  
Power Consumption: 10-30W,  
Ventilation Type: Positive Pressure Ventilator/ "Intrapulmonary Percussive Mixing".  
Motor: Brushless induction  
Pump: 100 Liters/minute peak flow – maintenance free.  
Oxygen Mixing: External adaptor provided.  
Operating Altitude: Set from 0 to 4500 m  
Internal Electronics: Digital control circuitry.

### Front Panel Controls/Connections:

Mode Selection: Assist/Control, SIMV, SPON  
Breath rate: 9-32 BPM.  
Inspiratory Time: .2 to 3 Seconds.  
Tidal Volume .1-2 Liters.  
Assist Trigger Sensitivity: -1 to -14 cm H<sub>2</sub>O. – Green LED indicator.  
Pressure Limiting Or Pressure Support: 5-65 cm H<sub>2</sub>O.  
Battery Test

### Alarms:

High Pressure : Limit and alarm setting 4-70 cm H<sub>2</sub>O. Audible + indicator light.  
Low Pressure : Limit and alarm setting 3-65 cm H<sub>2</sub>O. Audible + indicator light.  
Low Battery / Power Switchover – Audible + indicator light.

### Indicator Lights:

External Power/Charging.  
Low Power/ Power Switchover.  
Low Battery.  
High Pressure.  
Low Pressure / Apnea.  
Breath Trigger.

Press Button: Alarm / Silence/ Reset.

### Display Meter:

Ventilation Pressure: -10 to 100 cm H<sub>2</sub>O / millibar.  
Battery Charge Level.

Patient Air Port: 22 mm O.D./15 mm I.D.

Breath Termination with Pressure Support: Percent change in peak inspiratory flow.

PEEP: 0 and 3 to 20 cm H<sub>2</sub>O User Selectable.