

AEV®

ZOLL®



VENTILATION SIMPLIFIED™

## Ready for the Streets

### Full Patient Range

For patients from infant ( $\geq 5$  kg) through adult

### Smart Help™ Display

Guides operator through on-screen commands when responding to alarms

### Calculates Oxygen Usage

Calculates oxygen use in liters per minute to help manage the logistics of patient transport

### Intuitive Design

User-friendly, straight-forward interface

### Unprecedented Battery Run-Time

No additional battery back-up needed thanks to 10-hour battery run-time. Battery recharges to 90% in 2 hours.

### Durable, All-Weather Device

Under 10 lbs (4.5 kg) yet extremely durable, the AEV was originally designed for the unique needs of the military and meets an unprecedented set of military standards.

## AEV® Specifications

### Clinical Specifications

**Operating Modes:** AC, CPAP, BL

**Breath Target:** Volume and pressure

**Special Functions:** Manual Breath, Apnea Backup, Oxygen in Use

**Flow Rate:** 0 to 100 LPM @ 40 cm H<sub>2</sub>O

**Breath Rate:** 1 to 80 BPM

**Tidal Volume:** 50 to 2000 ml ATPD  $\pm$  10% of setting

**Inspiratory Time:** 0.3 to 3.0 seconds

**I:E Ratio:** 1:1 to 1:99

**FiO<sub>2</sub>:** 21 to 100%  $\pm$  3% of full scale  $\pm$  10% of setting

**PEEP:** 0 to 30 cm H<sub>2</sub>O

**Pressure Support:** 0 to 60 cm H<sub>2</sub>O

**Peak Inspiratory Pressure (PIP):** 10 to 80 cm H<sub>2</sub>O

**Trigger Sensitivity:** -0.5 to -6.0 cm H<sub>2</sub>O

**Oxygen Input Pressure:** 55 psig (-25%; +20%) (380 kPa)

### Safety Specifications

**Airway Pressure High Limit:** 20 to 100 cm H<sub>2</sub>O values

**Airway Pressure Low Limit:** Off, 3 to 35 cm H<sub>2</sub>O

**BPM High Alarm Limit:** Off, 2 to 99

**BPM Low Alarm Limit:** 2 to 40

**LED Status/Alarm Indicator:** Red, yellow, and green

### Environmental

**Operating Voltages:** 100 to 240 VAC (50/60 Hz) or 12.5 to 28.0 VDC

**Operating Time:** Internal battery 10 hours

### Temperature Ranges:

**Operating:** -25° to 49°C (-13 to 120°F) with battery charging, battery discharge and AC power operation

**Battery Charging:** 0° to 45°C (32° to 113°F)

**Long-Term Storage:** -15° to 21°C (5° to 71°F) Optimal storage conditions

LED Indicator

Pressure/Time Waveform

Battery Indicator



Control Panel

LCD Display

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