

AEV®

ZOLL®



VENTILATION SIMPLIFIED™

Ready for the Streets

Full Patient Range

For patients from infant (≥ 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 H₂O
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
FiO₂: 21 to 100% \pm 3% of full scale \pm 10% of setting
PEEP: 0 to 30 cm H₂O
Pressure Support: 0 to 60 cm H₂O
Peak Inspiratory Pressure (PIP): 10 to 80 cm H₂O
Trigger Sensitivity: -0.5 to -6.0 cm H₂O
Oxygen Input Pressure: 55 psig (-25%; +20%) (380 kPa)

Safety Specifications

Airway Pressure High Limit: 20 to 100 cm H₂O values
Airway Pressure Low Limit: Off, 3 to 35 cm H₂O
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

General

Size: 8.0" wide x 12.5" high x 4.5" deep (20.3 cm wide x 31.8 cm high x 11.4 cm deep)
Weight: 9.7 lbs (4.4 kg)



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