

Z Vent™

ZOLL®



VENTILATION SIMPLIFIED™

Ready for the Streets

Full Patient Range

For patients from infant (> 5 kg BW) through adult

Light, Rugged, All-weather Device

Under 10 pounds (4.4 kg) yet rugged

Smart Help™ Feature

Guides operator through on-screen prompts, when responding to alarms

Intuitive Design

User-friendly, straightforward interface

Unprecedented Battery Runtime

No additional battery backup needed with a 10-hour battery run-time. Battery recharges to 90% in 2 hours.

AWR Certified

Airworthiness Release certified for use aboard U.S. Air Force and U.S. Army aircraft – both fixed-wing and rotor – during all phases of flight

MRI Conditional*

Specially designed to meet the challenging requirements for patients who require magnetic resonance imaging (MRI)

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Z Vent Specifications

Clinical Specifications

Operating Modes: AC, SIMV*, CPAP and BL

Breath Target: Volume and pressure

Special Functions: Plateau Pressure*, Manual Breath, Apnea Back Up, Oxygen in Use, Inverse Ratio*

Flow Rate: 0 to 100 LPM @40 H₂O

Breath Rate: 0 to 80 BPM

Tidal Volume: 50 to 2000 ml ATPD +/- 10% of setting

Inspiratory Time: 0.1 to 5.0 seconds

I:E Ratio: 1:99 to 4.0:1.0

FiO₂: 21 to 100% +/- 3% of full scale +/- 10% of setting

PEEP: 0 to 30 cm H₂O

Peak Inspiratory Pressure (PIP): 10 to 80 cm H₂O

Trigger Sensitivity: -6.0 cm to -0.5 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 LCD/LED adjustable

Environmental

Operating Voltages: 100 to 240 VAC (50/60 Hz and 400 Hz) or 12.5 to 28.0 VDC

Operating Time: Internal battery 10 hours

Temperature Ranges:

Operating: -26° to 55°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: -46° to 71°C (-50.8° to 159°F) Optimal storage conditions

Ambulance:

- DIN-EN 1789

Airworthiness

- RTCA/DO-160G

Altitude Compensation: -2,250 to 25,000 ft. (-685 to 7,620 meters)

Temperature and Humidity Testing: MIL STD 810F

Ingress Testing: MIL STD 810 F

Shock and Vibration Testing: MIL STD 810F

Vibration Testing: IEC 60068-2-6, ICE 60068-2-34, IEC 60068-2-36, IEC 60068-2-64

Shock Testing: IEC 60068-2-27

Altitude Testing: MIL STD 810F

EMC Testing: MIL STD 461F

Ingress Protection: IP54 (Dust protected and splash-proof)

General

Size: 8.0" wide x 12.5" high x 4.5" deep (20.3 cm wide x 31.8 cm)

Weight: 9.7 lbs (4.4 kg)

*optional

