

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)

### ZOLL Medical Corporation Worldwide Headquarters

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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 H<sub>2</sub>O

**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 4:1

**FiO<sub>2</sub>:** 21 to 100% +/- 3% of full scale +/- 10% of setting

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

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

**Trigger Sensitivity:** -6.0 cm to -0.5 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 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 (-14 to 131°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 SRD 810G

**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



LED Indicator

Pressure/  
Time Waveform

Battery Indicator

Control Panel

LCD Display