

INOVYTEC

THE POWER TO SAVE LIVES

ventway SPARROW



Ultra Portable Turbine Ventilator

The Ventway's unique combination of high-performance, functionality, and compact design, position it among the top emergency and transport ventilators.

Designed to be impact resistant, ultra portable and user-friendly, the Ventway Sparrow enhances the standard of care in both Field and Combat medicine. Ventway enables effective ventilation from the point of injury all the way to the ICU while using just one ventilator.

Ventway Sparrow

P/N: VWSP-100

Dimensions: 165x167x60 mm | Weight 1.3 kg



Ultralight

Easy to handle and carry



Proven Performance

Clinically precise, field-proven ventilation performance



Minimal Maintenance

Durable and reliable device that delivers continuous ventilation, and only requires periodic filter replacement

✓ FDA Cleared ✓ CE Approved ✓ Pmda Certified



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Performance Data

Ventilation Modes	SIMV-VC-PS, SIMV-PC, AC-VC, AC-PC, CPAP, Bi-Level, HFNC*, CPR*
Adult & Pediatric	Patient Weight >5 Kg (11 lb)
Respiratory Rate	1 – 60 ± 1 bpm
Peak Inspiratory Pressure (PIP)	0 to 60 cmH ₂ O ± 2 cmH ₂ O or 10% whichever is greater
Tidal Volume	50-2000 mL ±10% + 4 mL
Inspiratory Pressure Limit	11 to 60 cmH ₂ O ± 2 cmH ₂ O or 10% whichever is greater
Inspiratory Time	0.3 to 4 ± 10% sec
I:E Ratio	1:4 to 4:1
Peak Flow (PIF)	Mandatory breaths: 130 L/min (-5% to +10%) Spontaneous breaths: 160 L/min ± 10%
Oxygen Mix (FiO ₂)	21%-100% Accuracy of FiO ₂ : 30%- 40%, ±15% 40% to < 95%, ±10% 95% to 100%, ±5%
PEEP	0 to 20 cmH ₂ O ± 1 cmH ₂ O (externally adjusted)
Trigger Sensitivity	-0.25 to -10 cmH ₂ O Pressure, Off
Pressure Support Limit	11 to 50 cmH ₂ O above PEEP ± 2 cmH ₂ O
Pressure Alarm Limit	10 to 55 cmH ₂ O above PEEP ± 2 cmH ₂ O
FiO ₂ Low Pressure Enrichment	21% to 100% (low and high pressure oxygen source)
Altitude	-1200 ft up to 25,000 ft (-370m to 7,620m)

* Not FDA cleared

Power Specifications

Rechargeable Battery Pack	Li 3000 mAh @ 0.5C
Non-Rechargeable Battery Pack	Li 3000 mAh
External AC-DC Adaptor	100-240 VAC, 50/60 Hz

Ventway Sparrow Packaged | P/N: VWSP-1000



Ventway Sparrow VWSP-100	AC/DC Power Adapter VWSP-141	Rechargeable Battery VWSP-420	Ventway Sparrow IFU VWSP-500
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Major Standards

IEC 60601-1, IEC 60601-1-2, IEC 60601-1-6, IEC 60601-1-8, IEC 60601-1-12, ISO 80601-2-12, ISO 80601-2-90, ISO 10651-3, EN 794-3, RTCA DO 160G, EN 1789, IP 45 (with oxygen).