

COMEN Share with the World



V1 Pro Ventilator

Born for Critical Transport
Guardian Across All Terrains



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Built to Brave Every Environment

Every second counts in the harshest outdoor conditions, the V1 Pro rises to the challenge. Engineered to be the ultimate ally in emergency care, it's built tough to endure and precise to rely on.

Extreme Temperature Resilience

Engineered to operate seamlessly in temperatures ranging from **-15°C** to **50°C**



High-Altitude Capability

Based on calculations from the International Standard Atmosphere (ISA) model, it functions reliably at altitudes of up to 7,670 meters.



Robust Protection



Dustproof and Waterproof

With an IP34 rating, it resists dust ingress and splashing water from all directions.



Drop-Tested Durability

Passed the 0.75-meter drop test, proving its ability to withstand accidental falls during transportation.



Crash-Resistant Design

Survived the crash impact test at an acceleration of 20G, ensuring normal operation even under intense impacts.

Pioneer in Transport

Approved by **ISO 10651-3**, **ISO 80601-2-84**, **EN1789**, and **RTCA/DO-160G** standards, V1 Pro is trusted for air, land, and sea operations.



10+ Hours Dual-Battery Power

Equivalent to a 6-time-zone flight duration, ensuring uninterrupted support for cross-border missions.



20000 Hours Turbine Lifespan

No air cylinder needed. Maintains 21% FiO₂ ventilation even during oxygen depletion, securing critical life-sustaining time.



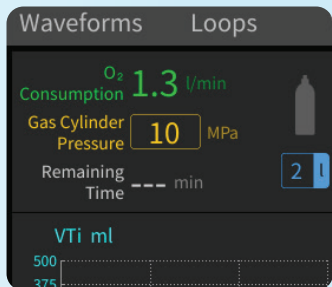
6.5kg Ergonomic Design

Light as four 1.5L water bottles-single-handed operation for critical moments.



Oxygen Consumption Tracking

Real-time calculations with visualized oxygen reserves, eliminating anxiety for transportation.



Born for Critical Transport
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Break Boundaries, Ensure Seamless Emergency Care.



Wilderness Rescue



Ambulance Emergency Care



Intra-hospital Transport



ICU Ventilation Support

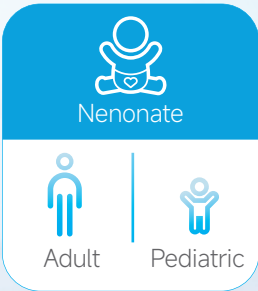
The V1 Pro is a device that covers all scenarios of outdoor rescue, ambulance treatment, in-hospital transportation, and ICU ventilation, replacing multiple specialized devices. Its lightweight design and versatile power supply options significantly reduce procurement and operational costs, enabling grassroots hospitals and emergency stations to possess professional-level comprehensive emergency care capabilities.

Tough on the Outside, Precise on the Inside.

From racing ambulances to bumpy mountain roads and intercontinental transfers, our device harnesses ICU-grade precision to deliver adaptability for all ages — neonates to adults. With dynamic AMV modulation and CPR-synced response algorithms, it ensures every breath mirrors the precision of an ICU environment, powering critical care across every mile of life's urgent journeys.

/01 All Ages Groups

Besides the ventilation support for adult and pediatric, V1 Pro also includes neonatal invasive and non-invasive ventilation modes.

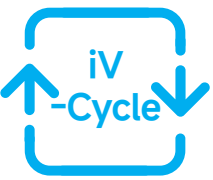


/02 Scientific Weaning for Assurance

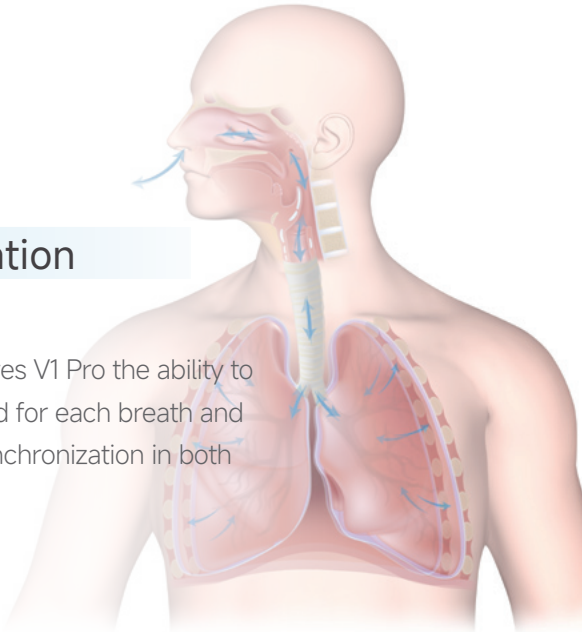
Equipped with multiple weaning assessment tools such as RSBI, P0.1, NIF, and SBT, this system moves away from experience-based weaning. Instead, it utilizes data-driven and scientific methods to assist decision-making, reducing the risk of reintubation of patients.



/03 Improved Synchronization

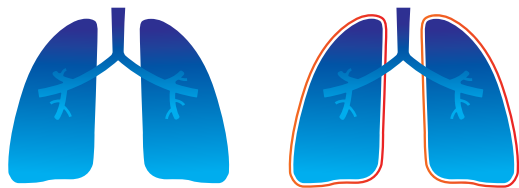


Brand new iV-Cycle technology gives V1 Pro the ability to intelligently sense patient's demand for each breath and greatly improves man-machine synchronization in both inspiration and expiration.



/04 Visualize Lung Mechanics in Motion

Pulmo View instantly assesses resistance, compliance, and tidal volume through real-time lung morphology during ventilation.



Save Time, Save Resources, Save Lives.

Make a difference during both short-term and long-term transport

- Continuous care from the referral agency to the receiving hospital can be provided. We continue exactly what the referring hospital or ICU is expecting to put that patient on for ventilator settings.
- Change to the patient could actually be made even for a few minutes transport.

