

Ventilation + CPAP for emergency care and patient transport

The pNeuton S transport ventilator with CPAP designed for emergency medical professionals

- Face mask CPAP, mask pressure ventilation or volume ventilation with ET-Tube
- Enhanced oxygenation during transport
- Ground or air transport
- Pneumatic design and built tough
- MRI compatible



pNeuton is simple and versatile

pNeuton has simple-to-use controls – Tidal Volume, Respiratory Rate and Pressure Limit – for volume-targeted or pressure-limited ventilation. With a built-in high output demand flow CPAP system, critical care ventilation needs are optimized for spontaneous and mandatory breaths. Operating without the need of electrical power, the ventilator can care for the most difficult patients from trauma site to the emergency room, for inter-facility transport, wherever the patient may be located.

pNeuton has these unique performance benefits

- All pneumatic operation, no batteries or external power needed to provide ventilation
- Switch from CPAP face mask to invasive ventilation seamlessly and without interruption
- Low spontaneous work of breathing compared to other transport ventilators
- Built-in CPAP / PEEP system with automatic sensitivity for changing patient needs means no need for external CPAP valves
- Mandatory and spontaneous breaths at 100% or use 65% oxygen to prolong your oxygen tanks



Specifications | pNeutron S

Description

- Pneumatically operated for use on pediatric and adult patients > 23 kg
- Demand flow system for spontaneous breathing to 140 L/min
- Pressures displayed on manometer
- Modes of Operation: CMV, IMV, CPAP, Pressure Limit
- Mandatory breath flow rate is fixed at 36 L/min
- MRI compatible: up to 1.5 T static field strength, 260 G/cm spatial field gradient, 250 V RF power, shielded
- Weight: 6 pounds (2.7 kg)
- Dimensions: 4" H x 8" W x 6" D (10 x 20 x 15 cm)
- Input gas requirement: 55 psi \pm 15 psi (3.8 bar \pm 1 bar)
- Meets International Standards for transport ventilators:
 - ASTM: Ventilators Intended for Use in Critical Care (F 1100-90)
 - ISO: Lung Ventilators for Medical Use, Part 3 (EN 794-3:1999)

Control Settings

- | | |
|---------------------|------------------------------|
| • Mandatory Breaths | ON or OFF |
| • Respiratory Rate | 2 to 50 bpm |
| • Tidal Volume | 360 to 1,500 ml |
| • Peak Pressure | 10 to 75 cm H ₂ O |
| • PEEP / CPAP | 0 to 20 cm H ₂ O |
| • Oxygen | 100% or 65% |



Audible Alarm

- Low Oxygen Inlet Pressure (below 30 psi)

Specifications are subject to change at any time without notice.

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