

# pNeuton® model S



## pNeuton model S transport ventilator with CPAP for invasive and non-invasive patient support



### Designed for emergency medical professionals

- Pure pneumatic operation – no electricity or batteries required
- Face mask CPAP, mask pressure ventilation or volume ventilation with ET-Tube
- Enhanced oxygenation during transport
- Ground or air transport
- Pneumatic design and tough
- MRI compatible

pNeuton model S ventilator provides mask CPAP plus volume or pressure ventilation for pediatric to adult patients for pre-hospital and hospital environments; with simple-to-use controls – Tidal Volume, Respiratory Rate and Pressure Limit.

For early intervention, the built-in CPAP (Continuous Positive Airway Pressure) system allows you to start with face mask CPAP and if the patient needs it, seamlessly provide ventilation without interruption. Fully pneumatic, the pNeuton S does not use batteries or electrical power to provide ventilation with readiness for operation.

The built-in high output demand flow CPAP system with automatic sensitivity insures critical care ventilation needs are optimized for spontaneous and mandatory breaths.



## 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 night visible manometer
- Modes of Operation: CMV, IMV, CPAP, Pressure Limit
- Mandatory breath flow rate is fixed at 36 L/min
- MRI conditional – 3 T or less, maximum spatial gradient magnetic field of 720-gauss/cm or less, no gauss line restriction
- 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 ± 15 psi (3.8 bar ± 1 bar)
- Classification according to MDD 93/42/EEC: IIb
- 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<sub>2</sub>O (mbar)
- **PEEP / CPAP:** 0 to 20 cm H<sub>2</sub>O (mbar)
- **Oxygen:** 100% or 65%

## Audible and Visual Alarms

- All pneumatic alarm system (no batteries)
- Low oxygen inlet pressure (below 30 psi)

Specifications are subject to change at any time without notice.

The pNeuton ventilators/CPAP systems are critical care devices designed for use by healthcare professionals under the direction of a physician or healthcare provider.



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