

# pNeuton® model A



## pNeuton model A ventilator with built-in CPAP for hospital environments



- **pneumatic operation – no electricity or batteries required**
- **MRI compatible with remote alarm and stand options**
- **Switch from CPAP face mask to invasive ventilation seamlessly and without interruption**
- **Demand flow system with minimal wasted oxygen**
- **Low patient Work of Breathing (WOB) with peak flow of up to 140 L/min to meet patient needs**
- **Pneumatic design, rugged and lightweight (6.5 lbs / 3 kg)**

The pNeuton model A transport ventilator with built-in CPAP is designed for pediatric to adult critical care patient support in hospital environments.

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

With simple-to-use controls – Tidal Volume, Respiratory Rate and Pressure Limit – pNeuton A can provide volume-targeted or pressure-limited ventilation. Ventilation interface options include non-invasive mask or invasive endotracheal tube. The built-in high output demand flow CPAP system ensures spontaneous breath demand is met under all conditions.

Optimized for use in the MRI, the pNeuton A has a patient disconnect alarm system with remote alarm output. The ventilator does not require a gauss line separation from the magnet and the remote alarm allows you the ability to monitor the ventilator from the MRI control room.

### **One device for OR, ICU, MRI, disaster preparation and more**

Operating without the need of batteries or electrical power, the pNeuton A can help you transport and care for the most difficult patients, from the emergency room to special procedures, MRI to the operating room and intensive care unit, wherever the patient may be located.



## 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: 6.5 pounds (3 kg)
- Dimensions: 5.0" h x 10.0" w x 7.3" d (12.7 cm x 25.4 cm x 18.5 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:** 3 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)
- Patient circuit disconnection
  - Automatic reset when alarm condition resolves
  - One minute silence / reset button
- Low oxygen inlet pressure (below 30 psi)
- Remote alarm output

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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