

# pNeuton® mini NEO



## pNeuton mini NEO ventilator with CPAP for invasive and non-invasive patient support



- Pure pneumatic operation – no electricity or batteries required
- Patient Range – 400 grams to 20 kg with continuous flow settings of 6, 8 or 10 L/min
- IMV + CPAP or CPAP – use with ET tubes, nasal masks or prongs
- Built-in oxygen mixing – 21 to 100%, to meet the precise needs of your patient
- MRI conditional to 3T – use the mobile stand and remote alarm for safe ventilation next to the MRI magnet



A safe and secure way for you to transport and perform MRI procedures specifically designed for neonatal/infant ventilation.

The pNeuton mini NEO is MRI compatible allowing for image production with no artifact. The ventilator can be placed right next to the MRI magnet with no gauss line restriction, plus a remote alarm can be added to enhance patient safety.

The only truly fully pneumatic, portable ventilator for neonates/infants with CPAP, oxygen mixing and patient alarms. The mini NEO is a small, lightweight ventilator with precise timing and pressure controls designed for use on patients from 400 grams to 20 kilograms.

With a broad range of clinical applications, the mini NEO provides immediate life support for at risk deliveries, MRI and other radiology suites, transport and ventilation need – short or long term, even tandem therapy with high-frequency jet ventilation.



## Description

- Pneumatically powered for use on neonates and infants
- Patient range: 400 gram to 20 kilogram
- Modes: CMV, IMV + CPAP or CPAP only – continuous flow pressure limited ventilation
- miniFlow Patient Interface supports nasal prong/mask application
- Pressures displayed on night visible manometer
- MRI conditional: static magnetic field of 3 T or less, maximum spatial gradient magnetic field of 720-gauss/cm or less, no gauss line restriction
- Gas consumption: flow setting + 3 L/min oxygen
- Weight: 9 lbs (4 kg)
- Dimensions: 6.0" h x 8.7" w x 7.8" d (15.2 cm x 22.1 cm x 19.8 cm)
- Input gas requirement (oxygen and medical air): 55 psi ± 15 psi (3.8 bar ± 1 bar) each gas
- Meets International Standards for transport ventilators:
  - ASTM F1100-90 – Ventilators Intended for Use in Critical Care
  - ISO 10651-3:1997 - Lung Ventilators for Medical Use - Particular requirements for emergency and transport ventilators
  - Airworthiness: RTCA DO-160G – Environmental Conditions and Test Procedures for Airborne Equipment, as applicable

## Control Settings

- **Inspiratory time** 0.25 to 0.8 seconds
- **Expiratory time** 0.25 to 6 seconds
- **Continuous Flow** 6, 8, or 10 L/min
- **Peak pressure** 15 to 40 cm H<sub>2</sub>O (mbar)
- **PEEP / CPAP** 0 to 20 cm H<sub>2</sub>O (mbar)
- **Oxygen** 21 to 100% ± 3%, requires oxygen and medical air source

## Audible and Visual Alarms

- All pneumatic alarm system (no batteries) with remote alarm output
- Patient circuit disconnection
  - Automatic reset when alarm condition resolves
  - 10-second response, 25-second silence/reset button
  - Pressure: less than 3 cm H<sub>2</sub>O
- High pressure – independently adjustable from Peak Pressure
- Low gas source pressure
  - If either source gas drops below 40 psi (2.8 bar)
  - Continues operation as long as oxygen is available

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.



MADE IN THE USA

Intertek



## Airon

Airon Corporation  
 751 North Drive, Unit 6  
 Melbourne, FL 32934 USA  
 TEL: +1 321.821.9433 / 888.448.1238 in USA  
 FAX: +1 321.821.9443  
[www.AironUSA.com](http://www.AironUSA.com)