

# Critical Care Transport Ventilation for hospitals, air transport and disaster preparation

## pNeuton model A transport ventilator with CPAP designed for critical care patient support

- Noninvasive or invasive ventilation
- Integrated, demand flow CPAP system
- Variable oxygen selection
- MRI compatible with remote alarm output
- Patient disconnect and low gas alarms



## 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 the emergency room to special procedures / MRI; for inter-facility transport and wherever your patient may be located.

## pNeuton has these unique performance benefits

- All pneumatic operation, no batteries or external power needed to provide ventilation
- Change modes to meet patient needs - CPAP face mask to invasive ventilation seamlessly and without interruption
- Low spontaneous work of breathing comparable to other critical care ventilators
- Integrated all-pneumatic alarm system with remote alarm capability keeps you alerted to patient circuit disconnects and a low gas supply
- Mandatory and spontaneous breaths at 100% or use 65% oxygen to prolong your oxygen tank transports



# Specifications | pNeuton A

## 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 3 T static field strength, 6.9 G/cm spatial field gradient, 300 V RF power, shielded
- Weight: 6.5 pounds (3 kg)
- Dimensions: 5"H x 10"W x 7"D (13 x 25 x 18 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  | 3 to 50 bpm                  |
| • Tidal Volume      | 360 to 1,500 ml              |
| • Peak Pressure     | 15 to 75 cm H <sub>2</sub> O |
| • PEEP / CPAP       | 0 to 20 cm H <sub>2</sub> O  |
| • 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.

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