

Neonatal to Pediatric Ventilation For Hospital, MRI and Air / Ground Transport

pNeuton mini ventilator

- Pure pneumatic operation – no batteries
- Patient range - 400 grams to 25 kg
- CPAP or IMV + CPAP
- Built-in oxygen mixing – 21 to 100%
- MRI conditional – 3 T
- Alarms – audible and visual
 - Patient disconnect
 - High pressure
 - Low gas supply



Reliable, versatile neonatal ventilation for all patient care applications

The *mini* neonatal / infant / pediatric ventilator can be used for continuous care, MRI compatible support and ground or air transport.

mini operates as a continuous flow, IMV (Intermittent Mandatory Ventilation) ventilator - with or without CPAP

Acceptable patient interfaces include nasal prongs, face mask or endo-tracheal tube.

Patient Use areas include

- Intensive Care Unit
- Labor & Delivery
- MRI and Radiology
- Air Transport – Helicopter / Fixed Wing
- Ground Transport



Specifications | pNeuton mini

Description

- Pneumatically powered for use on neonatal / infant and pediatric patients
- Patient range – 400 gram to 25 kilogram
- Modes – CMV, IMV + CPAP or CPAP only – continuous flow pressure limited ventilation
- Pressures displayed on manometer
- MRI Conditional up to 3 T static field strength, 720 G/cm spatial field gradient
- Gas consumption – flow setting + 4 L/min
- Size – 22 cm W x 18 cm H x 19.4 cm D
- Weight – 4 kg
- Input gas requirement (oxygen and medical air): 55 psi \pm 15 psi (3.8 bar \pm 1 bar) each gas
- Meets International Standards for transport ventilators:
 - ASTM: F1100 90 - Ventilators Intended for Use in Critical Care
 - ISO: 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 2 seconds |
| • Expiratory time | 0.25 to 20 seconds |
| • Continuous Flow | 6, 8, 10, 15 or 20 L/min |
| • Peak pressure | 10 to 60 cm H ₂ O (mbar) |
| • PEEP / CPAP | 0 to 20 cm H ₂ O (mbar) |
| • Oxygen | 21 to 100% \pm 3%, requires oxygen and medical air source |



Audible and Visual Alarms

- All pneumatic alarm system (no batteries)
- Patient circuit disconnection
 - Automatic reset when alarm condition resolves
 - 30 second silence / reset button
- 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.



Made in the USA

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