

COMPREHENSIVE NEONATAL AND PEDIATRIC VENTILATOR

BABYMAG

Features

- Dedicated Ventilator for Neonatal & Paediatric Application.
- Minimum patient weight of 500gms with a delivered tidal volume of 2ml.
- Available Modes: VCV / VCV - AC, PCV/PCV - AC, PRVC, PLV/PLV with VG, V - SIMV + PS, P-SIMV + PS, Dual PAP / APRV, CPAP / PSV, MMV, NIV.
- Touch Screen 15 inch Display.
- Proximal Flow Sensing for quick response and accurate results.
- Measurement of Capnography or Oximetry with curves using Masimo Sensor (Optional).
- Specialized modes with reduced risk of Barotrauma.
- Complete set of Graphics (Curves & Loops) with features that facilitate weaning.
- Intelligent Alarm System.
- Compact Design & User Friendly Interface.
- Upgradable with Paramagnetic Oxygen Sensor. (Optional)
- Battery Backup for 4 Hours & Quick Charging batteries.
- Remote Assistance in Troubleshooting.
- Back up Ventilation modes.
- Low cost of usage & ownership.



PARAMETERS ADJUSTMENT

Type of patient	Pediatric and Neonatal
Tidal volume	2 to 300 ml
Respiratory rate	0 to 200 rpm
Inspiratory flow	1 to 50 L/min
Rise time	0 to 2.0 s
Inspiratory time	0.5 to 30 s
Inspiratory pressure	0 to 120 CmH ₂ O (or hPa or mbar)
Peep	0 to 50 CmH ₂ O (or hPa or mbar)
Support Pressure/ Δ ps	0 to 120 CmH ₂ O (or hPa or mbar)
Flow cycling (%of peak flow)	5 to 80 %
Pressure trigger	0 to -20 CmH ₂ O (or hPa or mbar)
Flow trigger	0.0 to 30 L/min
Ratio I:E	1:599 to 299:1
O ₂ concentration	21 to 100%
Type of inspiratory flow	Constant, decelerating, accelerating and sine
Inspiratory and expiratory pause	0.1 to 30 s

ALARMS

Minute volume / Total volume	high / low
Respiratory rate	high / low
Maximum pressure	high / low
Peep	high / low
FiO ₂	high / low
Apnea time	OFF, 0 to 60s
Automatic alarm adjustments	OFF, 10%, 20% and 30%

VENTILATION MODES

VCV / VCV-AC; PCV / PCV-AC; PRVC; PLV / PLV with VG; V-SIMV + PS; P-SIMV + PS; DualPAP / APRV; CPAP/PSV; MMV; VS; NIV

MONITORING

Curve	P Vs T, F Vs T and V Vs T / SpO ₂ / CO ₂
Loops	P Vs F, V Vs F, P Vs V
Different colors	Insp. and exp. phases, trigger modes and windows
Bargraph	Peak pressure, plateau or instant
FiO ₂	Galvanic or paramagnetic cell [optional]
Optional monitoring	Capnography or Oximetry
Numerical value	Tidal volume and Minute volume; Respiratory rate; Inspiratory and expiratory time; Max and mean plateau pressure and plateau pressure; Peep; Ratio I:E

USER INTERFACE

Type and Size	TFT - LCD touchscreen 15"
Weight	18,0 kg (39.7 lbs)
Dimensions W x H x D	453 x 1335 x 542mm (17.8 x 52.6 x 21.3 inches)
Communication/Interface	RS- 232C ports
Remote Technical Assistance	Magnamed Remote Assistance (ARM)

OPERATING CONDITIONS SPECIFICATIONS

Electrical power supply	100 to 240 V, 50/60 Hz
12 Vdc external	yes [optional]
Battery	210 minutes
O ₂ inlet	29 to 87 psi (200 to 600 kPa)
AR gas inlet	29 to 87 psi (200 to 600 kPa)
Temperature	-10 to 50°C [14 to 122°F]
Barometric pressure	600 to 1.100 cmH ₂ O (or hPa or mbar)
Relative humidity	15 to 95%

MECHANICAL VENTILATION EVALUATION*

P0.1	yes
Slow Vital Capacity	yes
PV flex	yes
Plmáx (NIF)	yes
Trapped Volume	yes

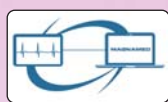
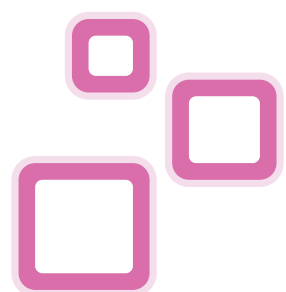
* Exclusively for pediatric and adults patients.

OTHERS OPERATIONS

Nebulizer	Synchronized with inspiration
Tracheal gas insufflation [TGI]	Synchronized with expiration
Trend	72 hour
Volume compensation - temperature and humidity	BTPS and ATPD
Auxiliary pressure	Using esophageal balloon or pressure measurement at the carina

GENERAL SPECIFICATIONS

Stand by	on/off
Manual cycles	yes
Graphic freeze	yes
Sigh	yes
Flow sensor	Proximal or Distal



MAGNAMED REMOTE ASSISTANCE
TECHNOLOGY MAKES DIFFERENCE

MAGNAMED
Intelligent innovation for life

CE 2460



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