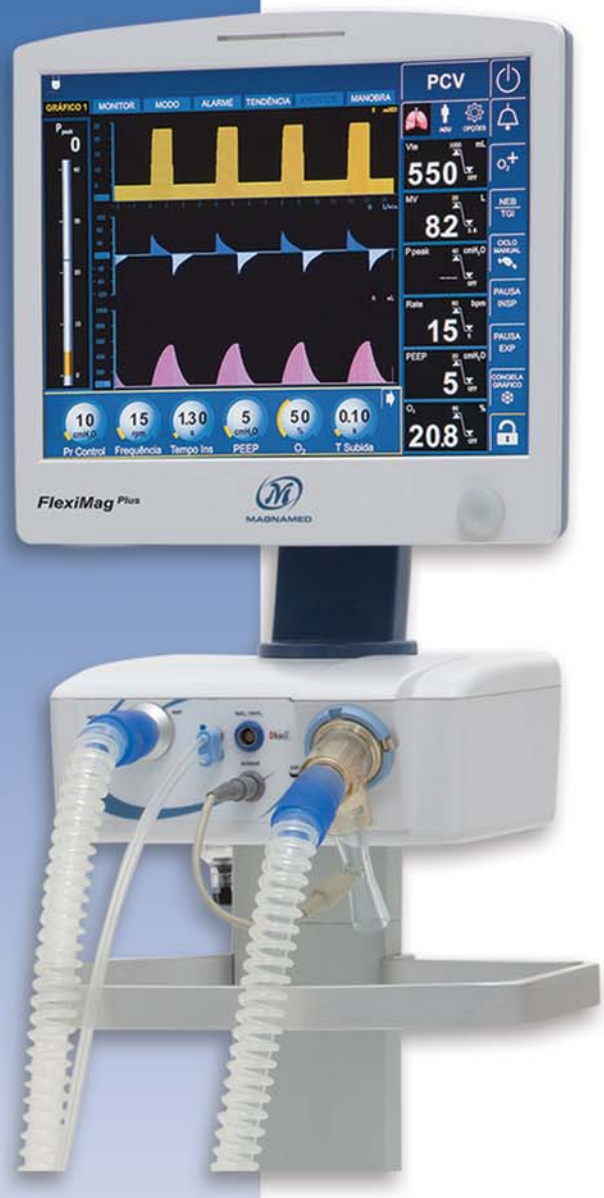
NiDEK MEDICAL INDIA

INTELLIGENT UNIVERSAL VENTILATORS FOR ICU

FLEXIMAG PLUS



Key Features

- Universal Ventilators from extreme-low-weight patients to adults.
- Safe ventilation suggestions as per patient height / weight.
- Touch operated 15 inch display.
- Upgradeable to Capnography or Oximetry with Masimo Sensor (Optional).
- 3 Hour of Battery back up.
- Remote Assistance in Troubleshooting.
- Intelligent Alarm System
- Low Cost of Usage & Ownership.
- Can be used with Nasal Prongs.
- Works with a standard Dual Limb Respiratory Circuit.
- Breath Synchronized Nebulizer
- TGI: Tracheal Gas Insufflation.
- Upgradable to Paramagnetic Oxygen Sensing.

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.

PARAMETERS ADJUSTMENT

Type of patient	Adult, Pediatric and Neonatal
Tidal volume	2 to 3000 ml
Respiratory rate	0 to 200 rpm
Inspiratory flow	1 to 180 L/min
Rise time	0 to 2.0 s
Inspiratory time	0.05 to 30 s
Inspiratory pressure	0 to 120 cmH_2O (or hPa or mbar)
Peep	0 to 50 cmH_2O (or hPa or mbar)
Support Pressure/ps	0 to 120 cmH_2O (or hPa or mbar)
Flow cycling (% of peak flow)	5 to 80 %
Pressure trigger	0.0 to -20 cmH_2O (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
Inspiratory pressure	high / low
Maximum pressure	high / low
Peep	high / low
FiO_2	high / low
Apnea time	OFF, 0 to 60 s
Automatic alarm adjustments	OFF, 10%, 20% and 30%

VENTILATION MODES

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

OPERATING CONDITIONS SPECIFICATIONS

Electrical power supply	100 to 240 V, 50/60 Hz
12 V_{DC} 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 1100 cmH_2O (or hPa or mbar)
Relative humidity	15 to 95%

MONITORING

Curve	PxT, FxT and VxT / SpO_2 / CO_2
Loops	PxF, VxF, PxV
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 airway pressure and plateau pressure; Peep; I:E ratio; FiO_2; Resistance and compliance (static and dynamic); P0.1

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	Remote Assistance Magnamed (ARM)

OTHERS OPERATIONS

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

GENERAL SPECIFICATIONS

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

MECHANICAL VENTILATION EVALUATION

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

MAGNAMED REMOTE ASSISTANCE
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