

LUNA BELT

Luna Belt is a portable pressure and volume ventilator.

It can be used with all conventional interfaces (mask, mouthpiece) and with the PBAir® interface, through the IAPV mode.

Equipped with a 3.5" touchscreen display, allows easily to set through a wide range of ventilation modes for patients with diverse needs and rechargeable battery.

APPLICATIONS

- **IAPV** (intermittent abdominal pressure ventilation)
- **IV** (invasive ventilation)
- **NIV** (non invasive ventilation)
- **MPV** (mouth piece ventilation)

FIELD OF APPLICATION

- Hospitals
- Home Care
- Respiratory Therapy Clinics

SUITABLE FOR

- Ideal for patients with acute/chronic respiratory failure
- Not designed to be used as an emergency ventilator
- Suitable for a wide range of patients' needs
- Provides continuous or intermittent ventilatory support for the care of subjects requiring mechanical ventilation
- Adult and pediatric up to 5kg

OUTSTANDING FEATURES

- Wide therapeutic versatility: Invasive and non-invasive ventilation, with active valve circuits and leakage circuits
- Accurate volume and trigger sensitivity
- Wide range of settings and alarms for each specific requirement
- "Easy to use" interface
- Small sizes, light weight and 10 hours of battery autonomy
- PBAir® interface, through IAPV mode

TECHNICAL FEATURES

General Characteristics	
Application	IV, NIV, MPV, IAPV
Modes	S, S/T, T, PC, CPAP, CV, CA, PC-SIMV, SIMV
Circuits	Single limb with exhalation valve, single limb (passive), Mpv circuit, Iapv circuit.
IPAP	4 - 60 hPa (increase of 0.5 hPa)
PEEP	0 - 25 hPa (increase of 0.5 hPa)
PBelt	4 - 70 hPa (increase of 0.5 hPa)
Inspiratory Volume	10 ml-2500 ml (10 ml-500 ml: increase of 10 ml 300 ml-2500 ml: increase of 50 ml)
Volume Belt	50 – 5000 ml
Frequency	1 - 60 BPM (increase of 1 BPM)
Inspiratory time	0.3 - 3.0 sec (increase of 0,1 sec)
Guaranted volume target	Yes
Slope	Square, Decelerated
Inspiratory trigger	Autotrack and 9 levels
Trigger espiratorio	Autotrack, 10% to 90% of the max inspiration flow
Alarm	High-Low inspiratory pressure High expiratory pressure High-Low (Apnoea) breath rate Minimum Guaranted volume not reached Low expiratory volume Leakage, Open circuit Low battery Power failure
Dimension	24 x 26 x 22 cm (L x P x H)
Weight	3,2 Kg
Power supply	100/240V, -20%+10%, 50/60 Hz, 160VA Internal LiPo battery, rechargeable– 10 hours autonomy in standard conditions (PC mode, IPAP 15, EPAP 5, Fr 15 on a 0.5L test lung)
Operating conditions	Working temperature: from 5° C to 40° C Relative humidity: from 15% a 93%
Safety standards	EN60601-1, EN60601-1-2, EN62366, EN62304, EN60601-1-11, EN60601-1-8, ISO 10651-6
Conformy	93/42/EEC Directive and 2007/47/EC
Insulation	Class II - BF
Risk class	2B

PBAIR®

IAPV ACCESSORIES

(INTERMITTENT ABDOMINAL PRESSURE VENTILATION)

The PBAir® is the new and innovative interface that allows the Intermittent Abdominal Pressure Ventilation.

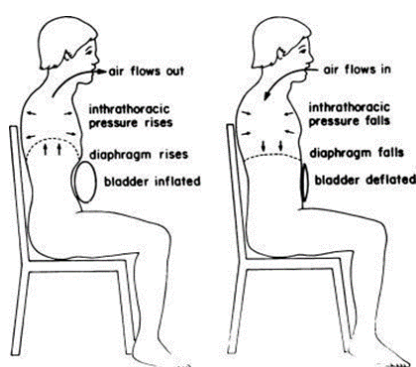
The use of PBAir® with a dedicated ventilator software (BB respirator) allows the lung ventilation (increasing gas-exchange) in patients with muscular weakness and diaphragmatic paralysis, conditions of all Neuromuscular patients:



The IAPV ventilation promotes an extra-thoracic Non Invasive Ventilation, without the aid of masks, avoiding the tracheotomy, reducing the facial decubitus risk due to the mask, improving the patient's quality of life.

Below, sizes available for PBAir®.

NOTE ASIDE: *It is possible to provide, on request, a size that is not present in the table below.*



Size		
Code	Length	Waist circumference
PBAir0090S	90 cm	70 cm
PBAir00100S	100 cm	80 cm
PBAir00115M	115 cm	95 cm
PBAir00120M	120 cm	100 cm
PBAir00128M	128 cm	108 cm
PBAir00134M	134 cm	114 cm
PBAir00144M	144 cm	124 cm
PBAir00150L	150 cm	130 cm