



LEISTUNG

PR4D Plus

Lung Ventilator for Transport and Emergency
Pediatric and Adult



Our commitment to life

Leistung is more than a manufacturer of lung ventilators for ICU and Emergency. Leistung's lung ventilators, besides being products of technological excellence and performance, they also carry the values of all the professionals involved in the process, from its conception to its commercialization, who are aware about the importance of a life-supporting device.

Therefore, we are proud to say that, while we are an industry, our essence lies in the trust that professionals and patients place in us. It is our commitment to life that makes us go further!



www.leistungbrasil.com

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PR4D Plus

PRACTICALITY and
SAFETY in MOTION





PR4D Plus

Lung Ventilator for Transport and Emergency

Pediatric | Adult

The transport of patients with the safety of those who need to protect lives. The lung ventilator PR4D Plus was developed to meet the needs of adult and pediatric care in portable units and emergency rooms, with practicality and ease of handling.

PR4D Plus is also indicated for surgery clinics, attending to emergency situations and complying with the safety standards. Controlled by microprocessor, the portable equipment offers an autonomy ranging from 45 up to 80 hours. An LCD display allows monitoring of the parameters and its operation is simplified by a rotary knob (encoder).

VENTILATORY MODES

Volume Controlled Ventilation (VCV)
Electronical microprocessed.

PR4D Plus

Lung Ventilator for Transport and Emergency

FUNCTIONALITY AND PERFORMANCE



BATTERY - OVER 45 HOURS

The supply of power with an internal battery and high capacity lithium ion technology grants the lung ventilator PR4D Plus an autonomy of more than 45 hours of use.



VOLUMETRIC

With its own button and an LCD display for monitoring, offers higher safety and agility to setup the ventilatory volume during removals and transport of patients.



PRACTICALITY

Access to all the equipment's parameters through a reduced number of control keys, providing and easy work experience.



ACCESSORIES

It is provided with a flowmeter and a humidifying bottle for oxygenotherapy and aspiration bottle, complimentary accessories to the efficiency of the emergency ventilatory support.

PR4D Plus

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APPLICATIONS

PR4D Plus is a microprocessed portable lung ventilator which serves adult and pediatric patients. The equipment is proper for versatile use in mobile units intra and extra hospital, rescue, emergency rooms or clinics for small aesthetic surgeries in case of eventual emergencies.



AMBULANCE



EMERGENCY ROOM

PR4D Plus

Lung Ventilator for Transport and Emergency

GERAL

ESPECIFICAÇÕES TÉCNICAS

FiO₂: 50 to 70% (through venturi system) - built into the equipment

Inspiratory time: 0,1 to 10 s

I:E ratio 1:99 to 5:1 (inverted)

Frequency: 1 to 150 rpm

Tidal volume: 0 to 2,50 l

Inspiratory pressure: 0 to 100 cm H₂O

PEEP/CPAP 0 to 20 cm H₂O (external valve) - possibility with optional not included

Inspiratory flow: 0 to 90 l/min

Flow waveform: square

Inspiratory pressure inner safety valve adjusted in 120 cm H₂O

Standby to maintain the setup without cycling

Pressure regulating valve for O₂ input internally built into the equipment

Flowmeter connection from 0 to 15 l/min

Vacuum connection for aspiration bottle with 30 cmHg vacuum

OUTPUT PARAMETERS

Airway pressure (LED bar): -10 to 100 cm H₂O

Inspiratory time: 0,1 - 10 seconds

Inspired tidal volume: 0 to 2,5 l

Inspiratory flow: 0 to 90 l/min.

Frequency: 1 to 150 rpm

Battery charge level

ALARMS

Maximum airway inspiratory pressure

Minimum airway inspiratory pressure (circuit disconnection)

Continuous pressure alarm

Low tidal volume alarm

Air supply source (O₂)

Power failure

Low battery charge

Microprocessor

POWER SUPPLY

External power supply: 11,5 to 15,0 V dc (minimum 2A)

Internal rechargeable lithium battery 12V / 13,2 Ah with duration longer than 45 hours

PNEUMATIC SUPPLY

Gas pressure from 250 to 700 kPa (2,5 to 7 bar)




LEISTUNG



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Certification GMP ANVISA RDC 16

