



Veterinary mechanical ventilator



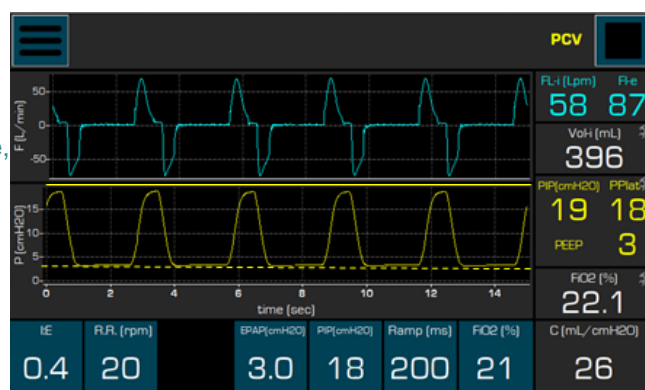
numioV_VET is a mechanical ventilator for veterinary use. It is controlled by an internal computer and allows the use of inhalational anesthetic agents. The device incorporates physiological measurements and allows more advanced studies of respiratory physiology.

Designed and manufactured in Spain.

- Allows sophisticated and complex surgeries to be carried out safely,
- Provides measurements of the animal's respiratory physiology,
- Minimizes the risks during the surgeries,
- Guarantees the correct physiological state of the animal during ventilation,
- Controls the parameters of the animal and protects it, avoiding undesirable accidents during the surgery.

Functional Characteristics

- Tactile and robust equipment,
- Simple and intuitive user interface,
- Quick access to the parameters of the active ventilatory mode,
- Generates acoustic and visual alarms,
- Compatible with all veterinary anesthesia systems,
- Measurements in the animal's mouth,
- It operates in 2 ventilatory modes:
 - a) Volume Controlled Ventilation (VCV)
 - b) Pressure Controlled Ventilation (PCV)
- Protects the animal in real-time against pulmonary over-pressure,

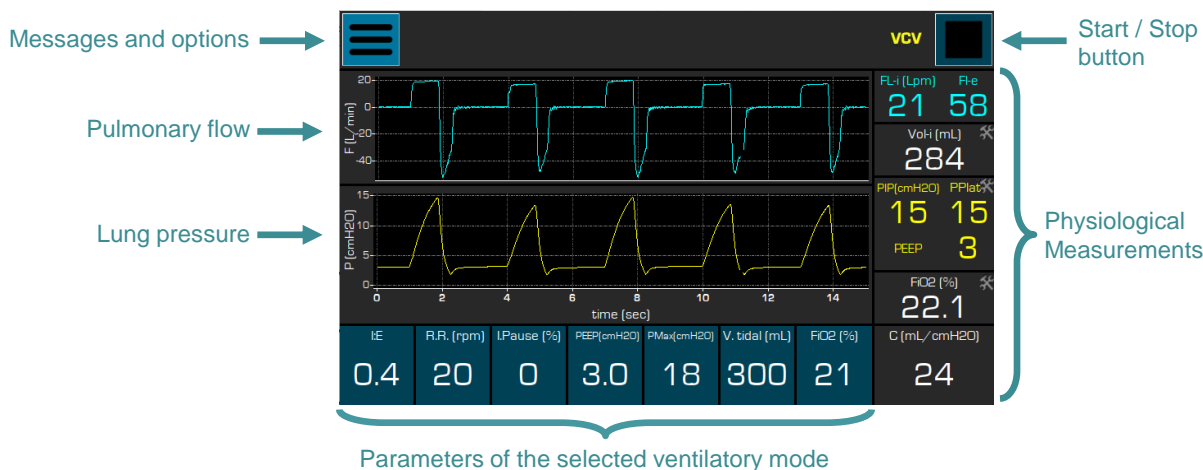


Main screen. PCV mode



Functional Characteristics (continued)

- Monitors parameters of the respiratory physiology of the animal:
 - Lung pressure,
 - Inspiratory and expiratory flow,
 - Inspiratory volume,
 - Pressure-Volume loop with lung compliance computation.
- Computes Peak Inspired Pressure (PIP), Positive at the End of Expiration Pressure (PEEP), and Plato Pressure (PP),
- Allows the PEEP adjustment by the user,
- Allows to adjust the inspiratory pause based on the inspiratory time (in %).



Technical characteristics

- Inspiratory flow: 1 – 70 L/min
- PEEP adjustment: 0 – 20 mbar
- Breathing frequency: 6 – 40 bpm
- Inspiratory volume: Depending on the breathing frequency and the i: e ratio:
 - (25 rpm; i:e, 1:3): 10 – 60 mL
 - (8 rpm; i:e, 1:1): 200 – 800 mL
- Inspiratory pause: 0 – 100 % of the inspiratory time
- Real-time lung protection: < 40 mbar
- Accuracy and reproducibility in the cycle: < 1ms
- Power supply: 100 – 250VAC
- Energy consumption: 50W

*An external air source between 2 and 6bar is required

How to order

Model	VCV Mode	VCP Mode	PEEP	Inspiratory pause	Pneumo graphs	Over pressure protection	Bellow	Screen size
2000	✓	✓	✓	✓	✓	✓	✓	7"

* Pneumotachography sensors (high flow and low flow) included