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Veterinary pulmonary ventilator h882_01

Turbine ventilator for veterinary resuscitation. Dimensions: W. 290 x D. 215 x H. 245 mm. With 10.4” TFT touch screen display.

The **veterinary pulmonary ventilator** is a **single-tube pressure-metric device**, designed to offer advanced performance and optimal management of respiratory ventilation. This **lightweight and compact** ventilator is equipped with a **turbine propulsion system** that ensures smooth and reliable operation. Its large **10.4-inch color touch screen display** allows for intuitive interaction and precise setting management, thanks to **on-screen controls**. The ventilator offers a **wide range of non-invasive ventilation (NIV) modes**, ideal for the respiratory treatment of animals. Its operating principle is based on a **pressure cycle with microprocessor-controlled flow,** ensuring accurate and personalized control of ventilation, further improving the quality of respiratory care for veterinary patients.

Technical features:

- Turbine pulmonary ventilator
- Dimensions: W. 290 x D. 215 x H. 245 mm
- Weight: 5.5 kg
- Electrical power supply 100 - 240Vac / 50 - 60Hz
- Max power consumption 60 VA
- External low voltage supply 12 Vdc / 7 A
- Internal battery: 1 x 12Vdc - 4.2 Ah Ni-Mh battery
- Internal battery life: Max. 4 hours
- Operation: Relative humidity: 30 - 95% non-condensing
- Operation: Temperature: from +10 to +40°C
- Storage: Relative humidity:
- Storage: Temperature: from -25 to +70°C
- External electrical connections: RJ connector for oxygen cell connection
- Patient connections: 22 mm Male / 15 mm Female conical fittings (according to EN ISO 5356- 1:2015)
- Pneumatic supply (O2): Low pressure: max 15 l/min
- Max. required flow (O2): ? 15 l/min
- IP protection degree: IP21
- Noise level:

Functional features:

- Operation: pressure cycled; microprocessor-controlled flow; spontaneous breathing with integrated valve
- Automatic atmospheric pressure compensation on measured pressure: present
- Automatic compensation of mechanical dead space and patient circuit
- Automatic leak compensation: Max. 60 l/min
- Ventilation modes: SIMV, PCV, APCV, PSV, PSV(Tv)
- Frequency: From 5 to 50 bpm
- Minimum inspiratory time (Ti): 0.4sec
- Maximum inspiratory time (Ti): 3 sec

- SIMV ventilation frequency: From 1 to 50 bpm
- Tidal volume (Vt): From 50 to 2500 ml
- Inspiratory pressure limit (Pinsp - IPAP): From 2 to 80 cmH2O (depending on the set low and high pressure alarm value)
- Inspiratory flow acceleration: Only in pressure-metric operating modes: 1, 2, 3, 4 (acceleration ramp slope) - (4 maximum acceleration)
- PEEP - EPAP: From OFF, 2 to 30 cmH2O (microprocessor-controlled EV adjustment)
- O2 concentration: O2-Air mixture enrichment via low-pressure O2 input
- Inspiratory flow (FLOW) 170 l/min
- PS (support pressure): From 2 to 60 cmH2O (PSV, SIMV)
- CPAP/PSV Pressure: from 3 to 50 cmH2O
- Single-tube patient circuit (EXP valve on circuit), 160cm
- Monitor with 10.4” TFT Touch Screen display
- On-screen controls (Side keyboard for quick access to functions and encoder knob for selection, setting, and confirmation of physiological respiratory parameters; selection and direct activation of functions)
- MENU function (SETUP settings; alarms; trends (parameter history); events; patient data; delete patient data; default parameters)
- Views and settings (Operating Mode setting; Display of alarm signals and messages; Setting and monitoring of physiological respiratory parameters; PAW graph display; MENU function for setting operating parameters; Activation of specific functions; Display of operating mode, clock function, date and time; Display of software version)
- Trends: Up to 72 hours of all measured parameters
- Events: Up to 100 events can be recorded, including alarms
- Patient data: Patient data can be set and deleted
- Default parameters: Default parameters can be restored
- SET function (settable physiological respiratory parameters): Slope, RR (bpm), RRsimv (bpm), PEEP (cmH2O), Pinsp (cmH2O), IPAP (cmH2O), EPAP (H2O), PMax - Pmin - PS (cmH2O), Ti (s), Ti Max (s), Tr. E (%), Tr. I (L/min), Vti (ml), BACK-UP parameters
- Displayed parameters: RR (bpm), I:E, (*) FiO2 (%), Vti (ml), MV (L/min), PAW, PEEP, (cmH2O)
- Displayed graphs: Pressure CURVE; Auto-range
- ALARM MENU with operator-configurable limits
- SYSTEM alarms not configurable by the operator
- Alarm priority: High - Medium - Suspended

**Images for illustrative purposes only.*

INFORMATION

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