



Turbine-powered veterinary ventilator h882_02

Turbine-powered lung ventilator with 10.4" touch screen display. Dimensions: L. 290 x D. 215 x H. 245 mm.

The **veterinary resuscitation lung ventilator** is an advanced device designed to ensure effective respiratory support during emergencies. This model is equipped with a **10.4-inch touch screen display** that offers an intuitive and easy-to-use interface. Its **turbine air propulsion** allows it to deliver an **air flow of up to 190 liters per minute**, ensuring optimal ventilation. With **compact dimensions of 290 mm in length, 215 mm in depth and 245 mm in height**, it is designed to be easily integrated into clinical environments. The ventilator offers a **wide range of ventilation modes**, including APCV, APCV-TV, PSV, PSV-TV (Auto Weaning), VC/VAC, V-SIMV+PS, P-SIMV+PS and CPAP/PSV, thus adapting to the different needs of the patient. It also includes special modes such as SIGH and Apnea BACK-UP (NIV PSV, NIV PSV-TV, CPAP/PSV) to manage apnea situations. Finally, a MANUAL mode is also available for personalized control of settings. This ventilator is designed to offer reliable and precise performance in veterinary resuscitation, making it an essential tool for professionals in the sector.

Technical specifications:

- Turbine-powered lung ventilator
- Dimensions: L. 290 x D. 215 x H. 245 mm
- Weight: 5.5 kg
- Power supply: 100 - 240Vac / 50 - 60Hz
- Power consumption: Max 60 VA
- External low voltage power 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
- External network connections: LAN network socket; USB sockets for data download and software update
- Patient connections: 22 mm Male / 15 mm Female conical connectors (according to EN ISO 5356- 1:2015)
- Pneumatic supply (O2): Low pressure: max 15 l/min
- Max. required flow (O2): 15 l/min (minimum)
- IP protection degree: IP21
- Noise level:

Functional characteristics:

- Operation: time-cycled constant volume; pressure-cycled; microprocessor-controlled flow; spontaneous breathing with integrated valve
- Automatic compensation of atmospheric pressure on measured pressure: present
- Automatic compensation of mechanical dead space and patient circuit
- Automatic leak compensation: Max. 60 l/min
- Leak display

- Default setting of respiratory parameters
- Ventilation modes: APCV, APCV-TV, PSV, PSV-TV (Auto Weaning), VC/VAC, V-SIMV+PS, P-SIMV+PS, CPAP/PSV; SIGH, Apnea BACK-UP (NIV PSV, NIV PSV-TV, CPAP/PSV), MANUAL
- Frequency in VC/VAC: From 4 to 80 bpm
- Ti min = 0.036sec (minimum inspiratory time)
- Ti max = 9.6sec (maximum inspiratory time)
- Te min = 0.08sec (minimum expiratory time)
- Te max = 10.9sec (maximum expiratory time)
- Ventilatory frequency V-SIMV and P-SIMV: From 1 to 60 bpm
- Inspiratory time in SIMV: From 0.2 to 5.0 sec
- I:E Ratios: From 1:10 to 4:1
- Inspiratory pause: From 0 to 60 % of inspiratory time
- Inspiratory pressure limit (Pinsp): From 2 to 80 cmH2O (depending on the set value of low and high pressure alarm)
- Inspiratory flow acceleration: Only in pressure-based operating modes: 1, 2, 3, 4 (acceleration ramp slope) - (4 maximum acceleration)
- PEEP: From OFF, 2 to 50 cmH2O
- PEEP regulation: Microprocessor-controlled electro-valves
- O2 concentration: O2-Air mixture enrichment via low pressure O2 inlet
- Trigger detection method: Via sensor (Pressure or Flow)
- Inspiratory flow (FLOW): 190 l/min
- Automatic Flow-by
- PS (support pressure): From 2 to 80 cmH2O (PSV, V-SIMV, P-SIMV)
- SIGH VC/VAC mode: Frequency: from 40 ÷ 500 bpm (1 bpm step) // Amplitude: from OFF, 10 ÷ 100% of set tidal volume (10% step)
- CPAP/PSV: Pressure: from 3 to 50 cmH2O
- Patient circuits: 150 cm dual-tube circuits
- MENU function, SET function
- Function for Loop, Curves, Parameter Map display selection
- INSP. hold (range 5.0 - 15.0 sec / 0.1 sec step)
- EXP. hold (range 5.0 - 10.0 sec / 0.1 sec step)
- MAN command (manual ventilation)
- 10.4" Touchscreen display
- Display viewing area: 262x163 mm
- On-display 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)
- Displays and settings (Operating Mode setting; Display of alarm signals and messages; Setting and monitoring of physiological respiratory parameters; Display of graphs and additional respiratory parameters; MENU function for setting operating parameters; Activation of special functions; Display of operating mode, clock, date and time function; Software version display)
- MENU function
- SETUP settings
- Trends: Up to 72 hours of all measured parameters
- Events: Up to 2000 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): CPAP (cmH2O), Slope, I:E, RR (bpm), RRsimv (bpm), Pause (%), PEEP (cmH2O), Pinsp (cmH2O), PMax - Pmin - PS (cmH2O), SIGH (% - bpm), Ti (s), Ti Max (s), Tr. E (%), Tr. I (L/min - cmH2O), Vte - Vti (ml), BACK-UP parameters
- Displayed parameters: RR (bpm), I:E, FiO2 (%) (if FiO2 option present), Vte (ml), MV (L/min), PAW, PEEP, CPAP (cmH2O)
- Additional displayed parameters map: MAP (cmH2O), Pplateau (cmH2O), Fi (L/min), Fe (L/min), Ti (sec.), Te (sec.), Tpause (sec.), Cs (ml/cmH2O)
- Displayed graphs: Curves (Pressure - Flow - Volume); Loops (Pressure/Volume - Flow/Volume - Pressure/Flow); Auto-Range
- Flow sensor: Pressure differential single-patient sensor
- MENU alarms with operator-configurable limits
- SYSTEM alarms not operator-configurable
- Alarm priority: High - Medium - Suspended

**Images are purely indicative.*

INFORMATION

