



TA-90V

Veterinary Ventilator and Anesthesia Machine

Turbine Driven

- Tidal volume 5-1500ml, ± 4 ml or 10% whichever is larger
- Oxygen saving and provide small animals anesthesia

Integrated Design

- 2-in-1 ventilator+anesthesia machine
- Built-in bellow and breathing circuit

Two AC Power Outputs

- Facilitate collaboration with other devices

Gas Monitoring

- Optional configuration for CO2 and anesthesia gas monitoring

Three Installations

- Desktop, wall-mounted, and trolley mounted

Power Support

- Min 2hrs using fully charged new battery under standard operation

Large Touch Screen

- 10 inch TFT touch screen
- Simultaneous display of multiple waveforms and 6 parameters

Multiple Ventilation Modes

- VCV, VS, PCV and SIMV, to meet the most clinical needs.



TA-90V Veterinary Anesthesia Machine Specifications

Physical Specifications

Deimension	Without stand: 666mm X 421mm X 274mm With stand: 1500mmX487mmX537mm
Weight	=28kg (include stand,vaporizer and other accessoies)
Maximum load on top	10kg
Handle	Single handle, located in the middle of the top

Environmental Specifications

Work environment	Temperature: 10~40 ; Relative humidity 15%~95%;
Storage environment	Temperature:-20~60 ; Relative humidity: 10%~95%;

Display

Display screen	10.1 inch touch screen, 1280X800 resolution
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Power Specifications

Input voltage	100V-240V, 50Hz/60Hz
Battery type	Lithium Ion Battery, 14.8V, 5000mAh
Minimum battery power supply time	120 minutes (using a fully charged new battery under standard operating conditions)
Output specifications	2 AC outputs, 100V-240V/1.8A~0.9A, 50Hz/60Hz

Circuit System Specifications

Source gas	Compressed oxygen/compressed air/oxygen
Gas pressure range	280-600kpa/40-87psi
Port type	NIST/DISS
Gas pressure gauge	0-1Mpa/0-140psi
Air source safety valve	Built in
Flow meter adjustment	0-4L/min
Vaporizer tank base	Single tank position Selectatec

Respiratory System Specifications

Manual breathing bag	Coaxial 22mm (OD) / 15mm (ID)
Inspiratory Valve Port	Coaxial 22mm (OD) / 15mm (ID)
Expiratory Valve Port	Coaxial 22mm (OD) / 15mm (ID)
ACGO Port	Coaxial 22mm (OD) / 15mm (ID)
AGSS Port	30mm outer conical joint
Airway pressure	-20cmH2O~100cmH2O
APL valve	Adjustment range: 0 ~ 70cmh2o, with one key closing
CO2 Absorber Canister	Volume 1400ml

Options

Ventilation modes	PCV, SIMV
Source gas	Dual gas source/oxygen concentrator
Installations	Wall mounted
Trolley & extension	SD70 trolley, oxygen concentrator platform, Single/Dual E
Monitoring modules	Mainstream/sidestream CO2 monitoring;
Disposable accessories	Large, medium and small breathing circuits, Bain breathing circuit, anesthesia masks, Laryngoscope, anesthesia gas filter canister, cylinder regulator, tracheal intubation

Ventilator Specifications

Driv ing method	Turbine
Ventilation modes	VS, VCV, PCV, SIMV
Parameter	Setting Range
Tidal v olume (Vt)	5ml-1500ml
Inspiratory pressure(Pinsp)	5cmH2O-50cmH2O
Support pressure (Psuppl)	3cmH2O-50cmH2O
Positiv e end ex piratory pressure (PEEP)	OFF,3cmH2O-30cmH2O
Respiratory Rate (RR)	2bpm-60bpm
Minimum respiratory rate (Min RR)	2bpm-60bpm
Inspiratory to ex piratory ratio (I:E)	4:1-1:8
Inspiratory time (Tinsp)	0.2S-10.0S
Trigger pressure (P-Trig)	-20cmH2O~-0.2cmH2O
Trigger flow rate (F-Trig) BTPS condition	0.2L/min-15L/min
Parameter name	Monitoring scope
Tidal v olume (Vt)	0ml-3000ml
Minute v entilation v olume (MV)	0L/min-100L/min
Peak Airw ay Pressure (PEAK)	-20cmH2O~100cmH2O
Positiv e end ex piratory pressure (PEEP)	0cmH2O-70cmH2O
Respiratory Rate (RR)	0bpm-120bpm
Inspiratory to ex piratory ratio (I:E)	20:1-1:20

