



# TA-90V

## Veterinary Anesthesia Machine

### Turbine driven

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

### Integrated design

- Built-in bellows and breathing circuit
- Space saving

### Three Installations

- Desktop, wall mounted, and trolley mounted installations
- Flexible configuration and cost savings

### Large touch screen

- 10 inch TFT, capacitive touch screen
- Simultaneous display of multiple waveforms and 6 parameters; Intuitive and convenient operation

### AC output

- Two AC power outputs
- Facilitate collaboration with other devices

### Gas monitoring

- Optional configuration for CO2 and anesthesia gas monitoring
- Safer anesthesia





## 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

Driving method	Turbine
Ventilation modes	VS, VCV, PCV, SIMV
Parameter	Setting Range
Tidal volume (Vt)	5mL-1500ml
Inspiratory pressure (Pinsp)	5cmH2O-50cmH2O
Support pressure (Psuppl)	3cmH2O-50cmH2O
Positive end expiratory pressure (PEEP)	OFF, 3cmH2O-30cmH2O
Respiratory Rate (RR)	2bpm-60bpm
Minimum respiratory rate (Min RR)	2bpm-60bpm
Inspiratory to expiratory 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 volume (Vt)	0mL-3000ml
Minute ventilation volume (MV)	0L/min-100L/min
Peak Airway Pressure (PEAK)	-20cmH2O~100cmH2O
Positive end expiratory pressure (PEEP)	0cmH2O-70cmH2O
Respiratory Rate (RR)	0bpm-120bpm
Inspiratory to expiratory ratio (I:E)	20:1-1:20

