



**MEDICATECH VET®**  
A Medicatech Company

# AM70 Veterinary Anesthesia Machine and Ventilator

**Designed to provide unmatched convenience and adaptability**



The AM70 offers a dual solution for veterinarians by combining a premium anesthesia machine with an integrated ventilator. It features user-friendly front gauges and controls, a high-performance turbine drive, and a 10-inch TFT touch display. Additionally, it provides flexible installation options, available in stand-alone, desktop, or wall-mounted configurations.



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# AM70 Ultra-Compact Veterinary Anesthesia and Ventilator System



One-step switch between rebreathing and non-rebreathing anesthesia.



Airway pressure is precisely controlled, with the APL valve closing the airway in a single step.



A 1 MPa oxygen pressure gauge, 0.8 MPa safety valve, and 4L flowmeter



A large 1400ml CO<sub>2</sub> absorber canister features a one-step locking and unlocking mechanism.



Portable oxygen flexibility accommodates dual oxygen E-cylinders or an oxygen concentrator.



Three models to choose from : Stand Model, Desktop Model, and Wall-Mounted Model.



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## PRODUCT HIGHLIGHT :



Ultra-compact design available in three models, saving space in the operating room and throughout the hospital.

10-inch touch screen for clear observation and smooth operation.

Minimum tidal volume of 5 ml, providing enhanced support for small animals.

Turbine drive eliminates the need for gas configuration, reducing anesthesia expenses.

Includes two auxiliary power inputs for easy device integration.

Supports multiple ventilation modes: VCV, PCV, and VS SIMV.

Optional BN30 Bain Block.

Compatible with mainstream or sidestream anesthesia modules.

Compatible with mainstream or sidestream CO<sub>2</sub> modules.

Side rail lock for secure IV pole integration.

Electronically driven by high - performance turbines ; no drive gas required.



# Veterinary Anesthesia Machine Specifications

Physical Specifications	
Dimension	Without stand: 660mm x 421mm x 274mm With stand: 1500mm x 487mm x 537mm
Weight	28kg (includes stand, vaporizer and other accessories)
Maximum Load on top	10kg
Handle	1 handle on top, 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, 1280 x 800 resolution

Power Specifications	
Input Voltage	110V-240V, 50/60Hz
Battery Type	Lithium Ion Battery, 14.8V, 5000mAh
Minimum battery power	120 minutes (using a fully charged new battery under standard operating conditions)
Output Specifications	2 AC outputs, 100V-240 V/1.8A~0.9A, 50/60Hz

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

# Veterinary Anesthesia Machine Specifications

## 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	-20 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O
APL valve	Adjustment range: 0 ~ 70 cmH <sub>2</sub> O, with one key closing
CO <sub>2</sub> Absorber Canister	Volume 1400 ml



## 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,



## Ventilator Specifications

Driving method	Turbine
Ventilation modes	VS, VCV, PCV, SIMV
Parameter	Setting Range
Tidal volume (Vt)	5ml-1500ml
Inspiratory pressure (P <sub>insp</sub> )	5cmH <sub>2</sub> O-50cmH <sub>2</sub> O
Support pressure (P <sub>supp</sub> )	3cmH <sub>2</sub> O-50cmH <sub>2</sub> O
Positive end exhalation pressure (PEEP)	OFF, 3cmH <sub>2</sub> O-30cmH <sub>2</sub> O
Respiratory Rate (RR)	2bpm-60bpm
Minimum respiratory rate (Min RR)	2bpm-60bpm
Inspiratory to expiratory ratio (I:E)	4:1-1:8
Inspiratory time (T <sub>insp</sub> )	0.2s-10.0s
Trigger pressure (P- <sub>Trig</sub> )	-20cmH <sub>2</sub> O ~ -2cmH <sub>2</sub> O
Trigger flow rate (F- <sub>Trig</sub> )	0.2L/min-20L/min
Parameter Name	Monitoring scope
Tidal volume (Vt)	0ml-3000ml
Minute ventilation volume (MV)	0L/min-100L/min
Peak Airway Pressure (PEAK)	-20cmH <sub>2</sub> O-100cmH <sub>2</sub> O
Positive end expiratory pressure (PEEP)	0cmH <sub>2</sub> O-70cmH <sub>2</sub> O
Respiratory Rate (RR)	0bpm-120bpm
Inspiratory to expiratory ratio (I:E)	20:1-1:20





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