MEDICATECH VET®
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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 con-trols, 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-re-breathing anesthesia.



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



A 1 MPa oxygen pres-sure gauge, 0.8 MPa safety valve, and 4L flowmeter



A large 1400ml CO_2 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_2 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_2O ~ 100 cmH_2O
APL valve	Adjustment range: 0 ~ 70 cmH_2O, with one key closing
CO_2 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 (Pinsp)	5cmH_2O–50cmH_2O
Support pressure (Psupp)	3cmH_2O–50cmH_2O
Positive end exhalation pressure (PEEP)	OFF, 3cmH_2O–30cmH_2O
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)	–20cmH_2O ~ –2cmH_2O
Trigger flow rate (F-Trig)	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)	-20cmH2O-100cmH2O
Positive end expiratory pressure (PEEP)	0cmH2O-70cmH2O
Respiratory Rate (RR)	0bpm-120bpm
Inspiratory to expiratory ratio (I:E)	20:1-1:20



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