



VS Plus Veterinary Anesthesia System

Comprehensive and innovative animal healthcare solution for anesthesia, ventilation and monitoring

Now includes

- 12 Inch Monitor
- ANS Ventilation Mode
- Remote / Inspiratory for CT
- Heated Breathing Circuits

Optional

- ETCO2 Side Stream
- Multigas Mainstream
- SPO2



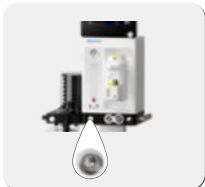
Features



- 12.1" color touch screen provides the most convenient operation method for vets.
- Foldable screen meets the user's requirements.
- The jog dial enhances the user's operating experience.
- Minimum tidal volume: 2ml



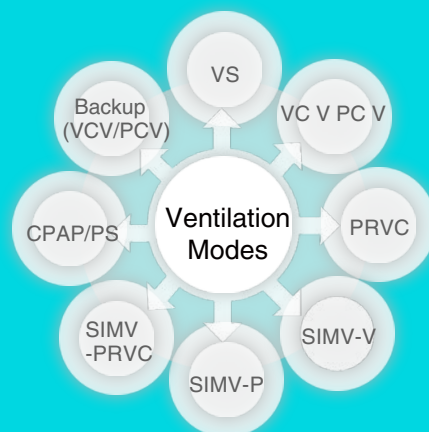
- Integrated Circuit Design: Minimizes components and external connections, reducing leak and misconnection risks, enhancing safety.
 - One-Step Ventilation Mode Switching: Enables seamless transition between spontaneous and controlled ventilation; continuous monitoring during spontaneous ventilation; instant mode change.
 - Optimized Respiratory Circuit Dynamics: Facilitates rapid inhalation and exhalation at low flow rates, ensuring swift response and optimized delivery of anesthesia gases and oxygen.
 - Circuit Heating Device: Warms the airway, prevents condensation, and maintains sensor accuracy.
 - Variable Orifice Flow Sensor: Monitors both inspiratory and expiratory flow for precise flow rate measurement.
 - ACGO Mode: Reduces cross-infection risk, minimizes CO2 retention during surgery, and supports flexible switching between open and closed anesthesia.
 - APL Valve: Ensures animal safety.
 - Sodium Lime Canister Capacity: 1500 ml.



- Molecular Sieve Oxygen Generator: Integrated option for self-sufficient oxygen supply, eliminating the need for external sources.
- Expandable Mounting Options: Compatible with monitor and infusion pump support arm.
- Optional Monitoring Modules: Anesthesia Multigas, CO2, and SpO2 monitoring modules available.



- High-Precision Vet7 Vaporiser: Delivers precise anesthesia gas, ensuring animal safety during anesthesia.
- Supports isoflurane, sevoflurane, and halothane, and offers various drug administration modes.
- Backup AC Outlet.
- Scavenging Canister: Features a replacement reminder function.



Technical Specification

Physical features

Machine Dimensions :	700*658*1497 mm
Machine Weight:	about 50 kg
Screen: Castors:	12.1" foldable color touch screen 4" silent casters with brakes

Pneumatic Systems

Gas source:	Flowmeter: Oxygen, Connector Type: NIST or DISS
Oxygen Flow Rate:	0-4 L/min
ACGO:	Supported
Oxygen Flush Support:	10-20 L/min

Electrical

Power Supply:	100-240 V,
Frequency:	50/60 Hz,
Input Voltage:	≤400 VA
Power Cord:	5 m (various specifications)
Battery:	1 (expandable to 2)
Rated Battery Voltage:	14.4 V
Battery Capacity:	3500 mAh, Power supply time ≥3 hours (1 battery), ≥6 hours (2 batteries)

Anesthetic breathing system

Bellows:	Optional (0~1600 ml or 0~300 ml)
Sodium Lime Canister:	1500 ml
Heating Function:	Yes
Bypass Function:	Optional

Vaporizer

Type:	VPA10 (Sevoflurane), VPA20 (Isoflurane), VPA40 (Halothane)
Quantity:	1

Optional Features

Optional Features	Mainstream CO2 Module, Sidestream CO2 Module, SPO2, Mainstream Multi-gas Module, Oxygen Sensor
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Ventilator

Control Type:	Electrically controlled (turbine-driven, no drive gas source)
Ventilation Modes:	VS, AVS, VCV, PCV, SIMV-V, SIMV-P, PRVC, SPONT/PSV, Inspiratory hold (remote control, designed for CT room)
System Check:	Self-check after startup
Animal Type Selection:	Supported
Frequency:	4~100 bpm (VCV/PCV/PRVC), 1~60 bpm (SIMV), 2-60 bpm (VS)
Tidal Volume:	2 - 1600 ml
Inspiratory/Expiratory Ratio:	4:1 - 1:10 Off, 3~30 cmH2O
PEEP:	0.1~10.0 s Off, 3~50 cmH2O
Inspiratory Time:	5~50 cmH2O
Pressure Support:	0.5~20 L/min
Pressure Control:	-20~-1 cmH2O
Flow Trigger Sensitivity:	
Pressure Trigger Sensitivity:	
Expiratory Trigger Sensitivity:	5~80%
Pressure Rise Time:	0~2.0 s

Monitor

Airway pressure:	Ppeak, Pmean, Pplat, PEEP, Airway Resistance
Inspiratory /Expiratory Ratio:	9:1~1:99
Pressure Support:	0~300 ml/cmH2O
Flow Rate:	0~60 L/min
Frequency:	0~100 bpm
Alarm:	Battery Level, Tidal Volume, Minute Ventilation, Airway Pressure, Apnea, Respiratory Rate
Alarm Time:	0~120 s
Alarm Level:	Graded audio and visual alarms
Graph	Waveform: Pressure-Time, Volume-Time, Flow-Time Loop Diagram: Pressure-Volume, Pressure-Flow, Volume-Flow

Data

Trends:	24 hours
Export:	72 hours

