

# Veta 5

## Veterinary Anesthesia Machine

### Physical Specifications

#### Dimensions and Weight

(excluding the trolley, anesthesia gas filter canister, oxygen generator; including accessories)

Weight	≤ 30 kg
Height	790mm
Width	515mm
Depth	435mm

(excluding the anesthesia gas filter canister, oxygen generator; including the trolley and accessories)

Weight	≤ 43kg
Height	1375mm
Width	620mm
Depth	690mm

#### Top Shelf

Length	342mm
Width	256mm
Weight limit	10kg

#### Oxygenerator Frame

Oxygenerator size  
<530×310×650mm

Weight limit 30kg

**Castor** 4, all with brakes

#### Display

Size	8"
Resolution	1024*768
Brightness	Adjustable (1-10 level)
Touch screen	Capacitive

#### LED Indicator

AC power LED	One (green. Lit when an AC power supply is connected)
Battery LED	One (green. Lit when an AC power supply is connected; and extinguished when the battery is full or the machine is powered off.)

#### Audio Indicator

Speaker Produces alarm tones and key tones; and supports multi-level volumes.

### Electrical Specifications

#### AC Power Input

Voltage	100 to 240 V~
Frequency	50 Hz/60 Hz

#### Internal Batteries



Number of batteries

One

Battery type Lithium battery

Rated battery voltage

10.95 V

Battery capacity 5,000 mAh

Minimum battery run time

120 minutes

#### Multi-functional Communication Port

Number One

Type DB9 male

Function Supports the communication between the anesthesia machine and external devices to calibrate the pressure; and supports the connection with the weigher to transfer the overweight signals and to calibrate or zero the weigher.

#### Wired Network Port

Number One RJ45

Type 8 PIN RJ45

Function Supports connection to a PC for software upgrading

#### SB Port

Number One

Type A type

Function Supports exporting the configuration information and history data from a SB port; and supports upgrading the software.

### Pneumatic System Specifications

#### Pipeline Supply

Gas type Air, oxygen

Gas supply pressure range

280 kPa~600 kPa(40PSI~87PSI)

Input connector NIST or DISS

Connector number  
One(O<sub>2</sub>) or two(O<sub>2</sub>/Air)

Gas supply pressure gauge range  
0kPa ~ 1000 kPa(0PSI~140PSI)

### Oxygen Flush

Flow range 10L/min~15L/min (the gas supply pressure  
280kPa)

### Flowmeter

Number One(O<sub>2</sub>) or two(O<sub>2</sub>/Air)  
Range 0L/min ~ 4 L/min  
Accuracy ±0.1L/min or ± 10% of the indicated value,  
whichever is greater

### Auxiliary Common Gas Outlet (ACGO)

Type Mechanical switch

### Anesthetic Breathing System Specifications

#### Breathing System Leakage

Test Methods Manual / Auto  
System leakage ≤75mL/min (under 3kPa)

#### Connector

Manual bag port 22 mm OD / 15 mm ID conical  
Inhalation 22 mm OD / 15 mm ID conical  
Exhalation 22 mm OD / 15 mm ID conical  
Scavenging port 30 mm OD conical

#### CO<sub>2</sub> Absorbent

Volume 1500mL

#### APL Valve

Range 0cmH<sub>2</sub>O~70cmH<sub>2</sub>O  
Accuracy ±10cmH<sub>2</sub>O or ±15% of the set value, whichever  
is greater  
Blocking pressure  
Original APL valve value+30cmH<sub>2</sub>O

#### Airway Pressure Gauge

Type Mechanical  
Range -20cmH<sub>2</sub>O~100cmH<sub>2</sub>O  
Accuracy ± (2.5% of the full scale reading + 4% of the actual  
reading)

### Anesthetic Vaporizer Specifications

#### Vaporizer

Filling methods Isoflurane: Pour Fill, Key Filler  
Sevoflurane: Pour Fill, Key Filler, Quik-Fil  
Weight 6.0kg (empty)  
6.5kg (full)  
Filling volume 360 ml (dry wick)  
300 ml (moist wick)  
260 ml (between the minimum and maximum  
marks)

Concentration range

Isoflurane: 0 vol.%~6 vol.%

Sevoflurane: 0 vol.%~8 vol.%

Concentration accuracy range  
±0.25vol.% or ±20% of set value, whichever is  
greater.

### Anesthetic Gas Scavenging System Specifications

#### Active AGSS

Size 430mm×132mm×120mm  
Pump rate 25L/min~50L/min (Low-flow)  
75L/min~105L/min (High-flow)

#### Passive AGSS

Connector 30 mm OD conical

#### Weighing scale

Canister size ≤130mm (diameter)  
Weight limit 2kg  
Range 0-2000g  
Accuracy ±10g

### Anesthetic Ventilator Specifications

Drive Turbine

Working mode

Standby/Manual/ACGO  
Volume Support (VS)  
Volume Control Ventilation (VCV)  
Pressure Control Ventilation (PCV)  
Synchronized Intermittent Mandatory Ventilation  
(SIMV)

#### Setting Parameter

V<sub>t</sub> 5mL~1500mL  
P<sub>insp</sub> 5cmH<sub>2</sub>O~50cmH<sub>2</sub>O  
ΔP<sub>supp</sub> 3cmH<sub>2</sub>O~50 cmH<sub>2</sub>O  
PEEP OFF,3~30 cmH<sub>2</sub>O  
RR 2bpm~60bpm  
Min RR 2bpm~60bpm  
I:E 4:1~1:8  
T<sub>insp</sub> 0.2s~10.0s  
P-Trig -20cmH<sub>2</sub>O~-0.2cmH<sub>2</sub>O  
F-Trig 0.2L/min ~ 15L/min

#### Ventilator Monitoring Parameter

V<sub>t</sub> 0mL~3000mL  
MV 0L/min~100L/min  
PEAK -20cmH<sub>2</sub>O~120cmH<sub>2</sub>O  
PEEP 0cmH<sub>2</sub>O~70cmH<sub>2</sub>O  
RR 0bpm~120bpm

#### Ventilator Monitoring Accuracy

V<sub>t</sub> <75mL: ±15mL  
≥75mL: ±20mL or ±10% of the reading,  
whichever is greater

MV	$\pm 1\text{L}/\text{min}$ or $\pm 15\%$ of the reading, whichever is greater
PEAK	$\pm 3.0\text{cmH}_2\text{O}$ or $\pm 8\%$ of the reading, whichever is greater
PEEP	$\pm 3.0\text{cmH}_2\text{O}$ or $\pm 10\%$ of the reading, whichever is greater
RR	$\pm 1\text{bpm}$ or $\pm 5\%$ of the reading, whichever is greater

### Gas Monitoring Specifications

#### CO<sub>2</sub> Gas Monitoring

Range	0.0%(0mmHg) ~ 20% (152mmHg)
Resolution	0.1%/1mmHg
CO <sub>2</sub> accuracy	0.0% (0 mmHg) ~ 5.0% (40 mmHg): $\pm 0.2$ vol.% ( $\pm 2$ mmHg) 5.0% (41 mmHg)~ 10% (76 mmHg) (excludes 5%): $\pm 5\%$ of actual reading 10% (77 mmHg)~20% (152 mmHg) (excludes 10%): $\pm 10\%$ of actual reading

### Environment Specifications

#### Operation

Temperature (°C)	10 to 40
Relative humidity (noncondensing)	15% to 95% R.H.
Barometric pressure (kPa)	70 to 106.7

#### Storage

Temperature (°C)	-20 to 60
Relative humidity (noncondensing)	10% to 95% R.H.
Barometric pressure (kPa)	50 to 106.7