

Veta 5 family

Veterinary Anesthesia Machine

configuration can differ

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

1

Battery type Lithium battery

Rated battery voltage

11.1 V

Battery capacity 5,000 mAh

Minimum battery run time

120 minutes

Multi-functional Communication Connector

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 Connector

Number One RJ45

Type 8 PIN RJ45

Function Supports connection to a PC for software upgrading

USB Connector

Number One

Type A type

Function Supports exporting the configuration information and history data from a USB 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

1 (O₂) /2 (O₂/Air)

Gas supply pressure gauge range

0kPa ~ 1000 kPa(0PSI~140PSI)

Oxygen Flush

Flow range 10L/min~15L/min

Flowmeter

Number 1 (O₂) /2 (O₂/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 Method 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

CO₂ Absorbent

Volume 1500mL

APL Valve

Range 0cmH₂O~70cmH₂O

Accuracy ±10cmH₂O or ±15% of the setting value,
which is greater

Blocking pressure

Original APL valve value+30cmH₂O

Airway Pressure Gauge

Type Mechanical

Range -20cmH₂O~100cmH₂O

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-Fill

Weight 6.0kg

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

Vt 5mL~1500mL

Pinsp 5cmH₂O~50cmH₂O

△P_{supp} 3cmH₂O~50 cmH₂O

PEEP OFF,3~30 cmH₂O

RR 2bpm~60bpm

Min RR 2bpm~60bpm

I:E 4:1~1:8

T_{insp} 0.2s~10.0s

P-Trig -20cmH₂O~-0.2cmH₂O

F-Trig 0.2L/min ~ 15L/min

Ventilator Monitoring Parameter

Vt 0mL~3000mL

MV 0L/min~100L/min

PEAK -20cmH₂O~120cmH₂O

PEEP 0cmH₂O~70cmH₂O

RR 0bpm~120bpm

Ventilator Monitoring Accuracy

Vt <75mL: ±15mL

≥75mL: ±20mL or ±10% of the reading,
whichever is greater

MV ±1L/min or ±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

CO₂ Gas Monitoring

Range	0.0% (0 mmHg) ~ 20% (152 mmHg)
Resolution	0.1%/1 mmHg
CO ₂ accuracy	0.0% (0 mmHg) ~ 5.0% (40 mmHg): ± 0.2 vol.% (± 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



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