

Veta 5Plus

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(O₂) or two(O₂/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(O₂) or two(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 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

CO₂ Absorbent

Volume 1500mL

APL Valve

Range 0cmH₂O~70cmH₂O
Accuracy ±10cmH₂O or ±15% of the set value,
whichever 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-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
Target Adaptive Volume Support (VS+)
Volume Support (VS)
Volume Control Ventilation (VCV)
Pressure Control Ventilation (PCV)
Synchronized Intermittent Mandatory
Ventilation (SIMV)

Setting Parameter

V_t 5mL~1500mL
P_{insp} 5cmH₂O~50cmH₂O
ΔP_{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

V_t 0mL~3000mL
MV 0L/min~100L/min
PEAK -20cmH₂O~120cmH₂O
PEEP 0cmH₂O~70cmH₂O
RR 0bpm~120bpm

Ventilator Monitoring Accuracy

V_t <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

CO₂ Gas Monitoring

Range	0.0%(0mmHg) ~ 20% (152mmHg)
Resolution	0.1%/1mmHg
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