

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 ₂) or two(O ₂ /Air)
Gas supply pressure gauge range	0kPa ~ 1000 kPa(0PSI~140PSI)

Oxygen Flush

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

Number	One(O ₂) or two(O ₂ /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
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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
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APL Valve

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

Airway Pressure Gauge

Type	Mechanical
Range	-20cmH ₂ O~100cmH ₂ 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
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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	5cmH ₂ O~50cmH ₂ O
ΔPsupp	3cmH ₂ O~50 cmH ₂ O
PEEP	OFF,3~30 cmH ₂ O
RR	2bpm~60bpm
Min RR	2bpm~60bpm
I:E	4:1~1:8
Tinsp	0.2s~10.0s
P-Trig	-20cmH ₂ O~-0.2cmH ₂ O
F-Trig	0.2L/min ~ 15L/min

Ventilator Monitoring Parameter

Vt	0mL~3000mL
MV	0L/min~100L/min
PEAK	-20cmH ₂ O~120cmH ₂ O
PEEP	0cmH ₂ O~70cmH ₂ O
RR	0bpm~120bpm

Ventilator Monitoring Accuracy

Vt	<75mL: ±15mL ≥75mL: ±20mL or ±10% of the reading, whichever is greater
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MV	$\pm 1\text{L/min}$ 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): $\pm 0.2\text{ vol.}\%$ ($\pm 2\text{ mmHg}$) 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