

# ANESTHESIA MACHINES

## Mindray Veta 3X

### Portable Veterinary Anesthesia Machine

The Mindray Veta 3X Anesthesia Machine is built for the demands of modern veterinary practices, this portable unit offers unmatched precision, safety, and reliability. The Veta 3X stands out with its compact and lightweight design, making it the ideal choice for both stationary and mobile medical settings.

#### Key Features:

- Wall mount, mobile trolley, or tabletop options
- ACGO switch between rebreathing and non-rebreathing circuits
- Adjustable APL valve with one finger push occlusion
- One click, "twist free" CO2 absorbent canister
- Comes with V60 Tec 7 vaporizer
- Knob for hand free leak testing ability
- Cable Management System: Conceals wiring and organizes cables, enhancing safety and aesthetics.
- Optional VetaBain: Specifically designed for non-rebreathing systems. Great for small animals.
- Optional accessories: IV pole, monitor mount, Bains Block, O2 concentrator tray, dual e-tank holder, mobile trolley, wall mount kit



# Mindray Veta 3X Technical Specifications

## Dimensions and Weight

### Main Unit (Placing on the Tabletop)

Standard Weight ≤44.09 lbs ≤ 20 kg  
(Excluding the anesthesia gas filter canister; including accessories)

Maximum Weight ≤ 55.12 lbs ≤ 25 kg  
(Including the anesthesia gas filter canister, monitor (declared weight 5 kg), AGSS and accessories)

Height	15.75 in	400mm
Width	15.75 in	400mm
Depth	11.81 in	300mm

### Main Unit (Installing on the Basic Trolley)

Standard Weight ≤ 50.71 lbs ≤ 23 kg  
(Excluding the anesthesia gas filter canister; including accessories)

Maximum Weight ≤ 70.55 lbs ≤ 32kg  
(Including the anesthesia gas filter canister, monitor (declared weight 5 kg), AGSS and accessories)

Height	51.18 in	1300mm
Width	18.11 in	460mm
Depth	20.08 in	510mm

### Main Unit (Installing on the High-configuration Trolley)

Standard Weight ≤ 66.14 lbs ≤ 30 kg  
(Excluding the anesthesia gas filter canister; including accessories)

Maximum Weight ≤ 88.18 lbs ≤ 40kg  
(Including the anesthesia gas filter canister, monitor (declared weight 5 kg), AGSS and accessories)

Height	51.18 in	1300mm
Width	21.65 in	550mm
Depth	27.56 in	700mm

### Top Shelf

Length	12.20 in	310mm
Width	8.27 in	210mm
Weight limit	11.02 lbs	5kg

## Pneumatic System Specifications

### Pipeline Supply

Gas type	Oxygen
Gas pressure range	280 kPa~600 kPa(40PSI~87PSI)
Input connector:	NIST or DISS
Connector #:	One
Con. accuracy range	

### Oxygen Flush

Flow range	15L/min~25L/min (the gas supply pressure 280kPa)
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### Flowmeter

Range	0L/min ~ 4 L/min
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### Auxiliary Common Gas Outlet (ACGO)

Type	Mechanical switch
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## Anesthetic Breathing System Specifications

### Connector

Manual bag port	0.87 in OD / 0.59 in ID	22 mm OD / 15 mm ID conical
Inhalation	0.87 in OD / 0.59 in ID	22 mm OD / 15 mm ID conical
Exhalation	0.87 in OD / 0.59 in ID	22 mm OD / 15 mm ID conical
Scavenging port	1.18 in OD	30 mm OD conical

### CO2 Absorbent

Volume	800 mL ± 100 mL
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### APL Valve

Range	0cmH2O~70cmH2O
Blocking pressure	Original APL valve value+30cmH2O

### Airway Pressure Gauge

Type	Mechanical
Range	-20cmH2O~100cmH2O

## Anesthetic Vaporizer Specifications

### Vaporizer

Filling methods	Sevoflurane: Pour Fill, Key Filler, Quik-Fil Isoflurane: Pour Fill, Key Filler
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Weight	13.23 lbs (6.0 kg) empty 14.33 lbs (6.5 kg) full
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Filling volume	360 ml (dry wick) 300 ml (moist wick) 260 ml (between the minimum & maximum marks)
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Concentration range	greater of ±0.25vol.% or ±20% of set value Isoflurane: 0 vol.%~6 vol.% Sevoflurane: 0 vol.%~8 vol.%
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## Fresh Breathing System Layout



# Mindray Veta X3 Specifications ( Continued)

## Anesthetic Gas Scavenging System Specifications

### Active AGSS

Size 16.93 in × 5.20 in × 4.72 in (430 mm × 132 mm × 120 mm)

Pump rate 25L/min~50L/min (Low-flow)  
75L/min~105L/min (High-flow)

### Passive AGSS

Connector 1.18 in OD 30 mm OD conical

### Anesthesia gas filter canister tray

Canister size ≤ 5.12 in diameter (≤ 130 mm)

Weight limit 4.41 lbs (2 kg)



## 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

