

Technical Specifications

Ventilation Modes	
IPPV, A/C, PCV, SIMV, SIGH	

Ventilator Parameter Ranges	
Flow meter	O <sub>2</sub> (0.1-10L/min) N <sub>2</sub> O (0.1-10L/min)
Rapid oxygen supply	35L/min-75L/min
Tidal volume (Vt)	0, 20 mL ~ 1500 ML
Frequency (Freq)	1bpm ~ 100 bpm
I/E	4:1 ~ 1:8
PEEP	0cmH <sub>2</sub> O ~ 30 cmH <sub>2</sub> O
Pressure triggering sensitivity(PTr)	-20 cmH <sub>2</sub> O~20 cmH <sub>2</sub> O(Based on PEEP)
Flow trigger sensitivity (FTr)	0.5 L/min ~ 30 L/min
Pressure control (PC)	5 cmH <sub>2</sub> O ~ 60 cmH <sub>2</sub> O
SIGH	0(off) 1/100 ~ 5/100
Apnea ventilation	OFF, 5 s ~ 60 s
Pressure limit	20 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O

Monitoring Parameters	
Frequency (Freq)	0 /min ~ 100 /min
Tidal volume (Vt)	0 mL ~ 2000 ML
MV	0 L/min ~ 100 L/min
Oxygen concentration	15 % ~ 100 %

Oscillographs Display	
P-T (pressure – time)	
F-T (flow – time)	
P-V loop (pressure – volume loop)	
V-T (volume – time )	
ETCO <sub>2</sub> -T (ETCO <sub>2</sub> – time)	

Alarms and Protection	
The AC power failure alarm	Power failure or no connection
Low voltage alarm for back up battery	< 11.3±0.3V
No tidal volume	≤5ML within 6s
High oxygen concentration alarm	19%-100%
Low oxygen concentration alarm	18%-99%
High airway pressure alarm	20cmH <sub>2</sub> O-100cmH <sub>2</sub> O
Low airway pressure alarm	0cmH <sub>2</sub> O-20cmH <sub>2</sub> O
High minute volume alarm	Adult (5L/min-20L/min)
Low minute volume alarm	Paediatric (1L/min-15L/min) (0-10L/min)
Continuous pressure alarm	(PEEP+1.5kPa) over 16s
Suffocation warning	5s-60s no spontaneous ventilation
The maximum limited pressure	< 12.5 kPa
Fan error	Show on screen
Oxygen deficit	Show on screen

Working Conditions	
Gas source	O <sub>2</sub> , N <sub>2</sub> O
Pressure	280kPa-600kPa
Voltage	100-240V
Power frequency	50/60Hz
Input power	80VA

Size	
Wooden case packing size	L 680*W 740*H 1400mm
G.W.	100KG
N.W.	70KG



DM-6A



DM-6B



DM-6C

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DM-6A  
Veterinary Anesthesia System

Friendly Powerful Reliable

# DM-6A Veterinary Anesthesia System

## Application

Designed for safe, simple and controllable inhalation anesthesia for animals. The Veterinary Anesthesia machine provides rapid control of anesthetic depth with little resistance to respiration from high to low acuity, simple to complex cases, small to big animals.



APL valve



Bellow

## Trust Points

- Simplicity: Four static casters with self-locking function.
- Precision in an anesthesia ventilator with multiple ventilation modes: IPPV, A/C, PCV, SIMV, SIGH and MANU.
- Compact interface and touch screen give you better operating experience.
- Flexible configurations able to customize your requirements.
- International standard and advanced technology suitable for wide range use.
- Over 5,000 units are installed in more than 200 countries.
- Designed and manufactured by Perlong Medical with over 23 years of experience in veterinary field.

## Safety

- Three levels alarm system, visual and sound alarm information.
- Intelligent dual system controls ensure safe use in clinics.
- With lots of alarm, reminder and protection functions.
- Advanced power management control technology.
- Built-in backup battery provide the emergency power supply to the unit.



Breathing circuit



Halothane: 0~5%   Enflurane: 0~5%   Isoflurane: 0~5%   Sevoflurane: 0~8%

1 set vaporizer for standard, can be installed 2 vaporizers in all.



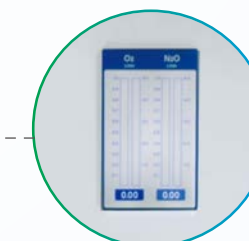
10.4" Touch Screen



Pressure gauge

## Advantages

- 10.4" TFT LCD touch screen displays the ventilation parameters, alarm information and oscillographs.
- Electronic flow meter, instantly know the fresh gas flow to the animals.
- Integration breathing circuit design, ensure easy operation and keep tidy.
- Multiple working modes such as volume control and pressure limit, adapt to wide range animals.
- Vaporizer with temperature, flow compensation and self-lock function, keep safety anytime.
- Multiple parameters monitoring interface, make every parameter clear, let users know the animal conditions in all aspects.
- ETCO<sub>2</sub> module and Anesthesia Gas Scavenging System (AGSS) are optional.
- Pressure-time, low-time loop oscillographs and high precision ETCO<sub>2</sub>, O<sub>2</sub> concentration show in real time.
- Wide use range including animals within 200KG.



Electronic flowmeter





Technical Specifications

Ventilation Modes	
IPPV, A/C, SIMV	

Ventilator Parameter Ranges	
Flow meter	O <sub>2</sub> (0-5L/min)
Rapid oxygen supply	35L/min-75L/min
Tidal volume (Vt)	0, 20 ML ~ 1500 ML
Frequency (Freq)	1bpm ~ 100 bpm
I/E	2:1 ~ 1:6
Pressure triggering sensitivity (PTR)	-20 cmH <sub>2</sub> O ~ 0 cmH <sub>2</sub> O (Based on PEEP)
Flow trigger sensitivity (FTr)	0.5 L/min ~ 30 L/min
SIGH	0(off) 1/100 ~ 5/100
Apnea ventilation	OFF, 5 s ~ 60 s
Pressure Limit	20 cmH <sub>2</sub> O ~ 100 cmH <sub>2</sub> O

Monitoring Parameters	
Frequency (Freq)	0 /min ~ 100 /min
Tidal volume (Vt)	0 mL ~ 2000 ML
MV	0 L/min ~ 100 L/min

Oscillographs Display	
P-T (pressure – time)	
F-T (flow – time)	

Working Conditions	
Gas source	O <sub>2</sub>
Pressure	280kPa-600kPa
Voltage	100-240V
Power frequency	50/60Hz
Input power	60VA

Alarms and Protection	
The AC power failure alarm	Power failure or no connection
Low voltage alarm for back up battery	< 11.3±0.3V
No tidal volume	≤5ML within 6s
High oxygen concentration alarm	19%-100%
Low oxygen concentration alarm	18%-99%
High airway pressure alarm	20cmH <sub>2</sub> O-100cmH <sub>2</sub> O
Low airway pressure alarm	0cmH <sub>2</sub> O-20cmH <sub>2</sub> O
High minute volume alarm	Adult (5L/min-20L/min)
Low minute volume alarm	Paediatric (1L/min-15L/min) (0-10L/min)
Continuous pressure alarm	(PEEP+1.5kPa) over 16s
Suffocation warning	5s-60s no spontaneous ventilation
The maximum limited pressure	< 12.5 kPa
Fan error	Show on screen
Oxygen deficit	Show on screen

Wooden Case Size	
Main component packing size	L 810*W 760*H 520mm
G.W.	53KG
N.W.	30KG
Accessory packing size	L 650*W 690*H 520mm
G.W.	40KG
N.W.	20KG



DM-6A



DM-6B



DM-6C

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DM-6B  
Veterinary Anesthesia System

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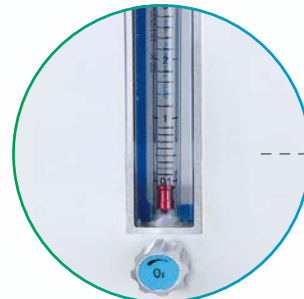
# DM-6B Veterinary Anesthesia System

## Application

Designed for safe, simple and controllable inhalation anesthesia for animals. The Veterinary Anesthesia machine provides rapid control of anesthetic depth with little resistance to respiration from high to low acuity, simple to complex cases, small to big animals.



APL valve



Flowmeter



Pressure gauge



Halothane: 0~5%    Enflurane: 0~5%    Isoflurane: 0~5%    Sevoflurane: 0~8%

1 set vaporizer for standard, can be installed 2 vaporizers in all.

## Advantages

- 7" TFT LCD screen displays the ventilation parameters, alarm information and oscillographs.
- High precision flow meter, instantly know the fresh gas flow to the animals.
- Integration breathing circuit design, ensure easy operation and keep tidy.
- Multiple working modes such as volume control and pressure limit, adapt to wide range animals.
- Vaporizer with temperature, flow compensation and self-lock function, keep safety anytime.
- Multiple parameters monitoring interface, make every parameter clear, let users know the animal conditions in all aspects.
- ETCO<sub>2</sub> module and Anesthesia Gas Scavenging System (AGSS) are optional
- Real time pressure-time, flow-time loop oscillographs included.
- Wide use range including animals within 200KG.

## Trust Points

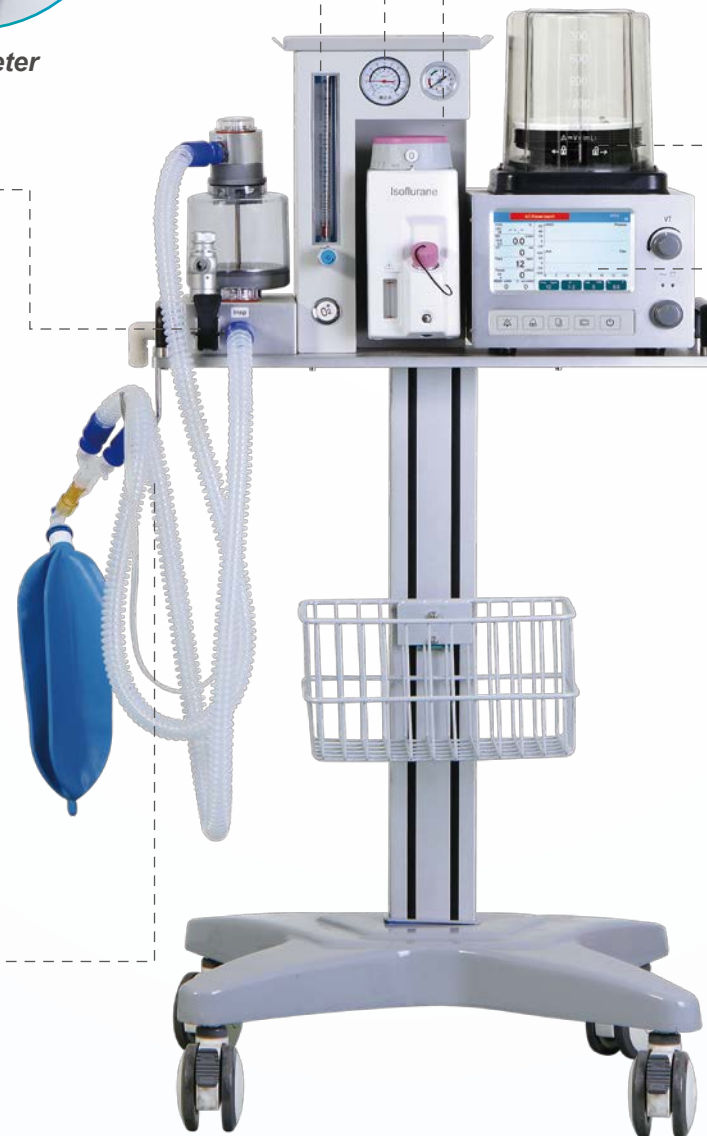
- Simplicity: Four static casters With self-locking function.
- Centered Ventilation: Precision in an anesthesia ventilator with multiple ventilation modes: IPPV, A/C, SIMV and MANU.
- Compact interface and big screen give you better operating experience.
- Flexible configurations able to customize your requirements.
- International standard and advanced technology suitable for wide range use.
- Over 5,000 units are installed in more than 200 countries.
- Designed and manufactured by Perlong Medical with over 23 years of experience in veterinary field.

## Safety

- Three levels alarm system, visual and sound alarm information.
- With lots of alarm, reminder and protection functions.
- Advanced power management control technology.
- Built-in backup battery provide the emergency power supply to the unit.



Breathing circuit



7" TFT screen



Bellow





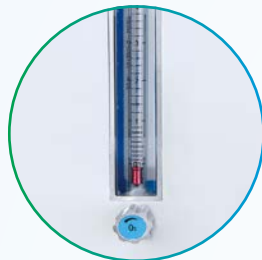
# DM-6C Veterinary Anesthesia System

*Friendly Powerful Reliable*

## Application

Designed for safe, simple and controllable inhalation anesthesia for animal.

The Veterinary Anesthesia machine provides rapid control of anesthetic depth with little resistance to respiration from high to low acuity, simple to complex cases, small to big animals.



Flowmeter



Pressure gauge



Breathing bag



Basket



Veterinary Mask  
(Optional)



# DM-6C Veterinary Anesthesia System

## Trust Points

- Simplicity: Four static casters with self-locking function.
- Option: Wide range application for animals within 200Kgs.
- International standard and advanced technology suitable for wide range use.
- Pressure gauge and flow meter ensure accurate adjusting of parameters.
- Over 2,000 units are installed in more than 200 countries.
- Designed and manufactured by Perlong Medical with over 23 years of experience in veterinary field.

## Features

- High precision flow meter, instantly know the fresh gas flow to the animals.
- Integration breathing circuit design, ensure easy operation and keep tidy.
- Vaporizer with temperature, flow compensation and self-lock function, keep safety anytime.

## Vaporizer



1 set vaporizer for standard, can be installed 2 vaporizers in all.

## Specifications

Flow meter	O <sub>2</sub> (0~5L/min)
Rapid oxygen supply	35L/min~75L/min
<b>Monitoring parameters</b>	
Airway pressure	0 cmH <sub>2</sub> O~100cmH <sub>2</sub> O
<b>Working conditions</b>	
Gas source	O <sub>2</sub>
Pressure	280kPa~600kPa

<b>Main component wooden case packing size</b> L 645*W 590*H 630mm	
G.W.	45KG
N.W.	20KG
<b>Accessory wooden case packing size</b> L 650*W 690*H 520mm	
G.W.	40KG
N.W.	20KG

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