

LAIFUTE

NINGBO LAIFUTE MEDICAL TECHNOLOGY CO., LTD.

Pet Intensive Care Unit
Pet Oxygen Generator Module



NINGBO LAIFUTE MEDICAL TECHNOLOGY CO., LTD.

No.721, Yanhu Road, Yinzhou District, Ningbo, Zhejiang, China

Tel: +8613248582939
Whatsapp: +8613454732509
Email: jennifer@nblaifute.cn
Web: www.nblaifute.net





ABOUT US

Ningbo Laifute Medical Technology Co., Ltd., located in Ningbo Zhejiang Province China, has been dedicated to the research and development of pet intensive care unit since 2015. We are a National High-Tech Enterprise focused on the R&D, production and clinical solutions of veterinary critical care equipment.

Our founder Dr. Wu, a veterinarian with over 30 years of clinical experience, initiated our in-house pet intensive care unit development to better save the lives of pets. Guided by the mission of "Technology Guards Life", we are committed to advancing veterinary critical care technology and promoting the standardization and intelligent development of veterinary emergency and intensive care medicine.

We have a professional R&D team and maintain close collaborations with leading Chinese universities, including Zhejiang University, Shanghai Jiao Tong University and Southeast University, continuously exploring and developing advanced animal medical equipment.

Our core product is an integrated veterinary intensive care unit that combines oxygen therapy, CO₂ management, and precise temperature control. It supports multi-species application and is suitable for veterinary hospitals of different levels. Highly regarded by veterinarians across China, our products have also been exported to Southeast Asia, Europe and other international markets.

Looking forward, our five-year strategic focus is to build an integrated ecosystem of "Intelligent Monitoring – Data Center – Outcome Management" and become a guardian of life for more animals.



CERTIFICATES





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Pet Intensive Care Unit

V Series

LEILONG SE

LEILONG VL

LEILONG VL-SS

LEILONG LVL

LEILONG SSVL

LEILONG FVL

X Series

LEILONG XS

LEILONG XL

LEILONG XL-SS

LEILONG LXL

LEILONG SSXL

LEILONG FXL

LEILONG 3CWC Pro

Pet Intensive Care Unit

V Series



LEILONG SE

External Size: 985 × 745 × 785mm(LxWxH)
Internal Size: 730 × 540 × 540mm(LxWxH)

❖ Oxygen and Gas Management

- Oxygen Regulation** Oxygen concentration can reach 45%+ within 15 minutes (calculated with 10L oxygen input).
- Accurate Monitoring** Circulating full-chamber sampling ensures oxygen concentration remains safe and stable.
- Automatic CO₂ Management** Actively discharges CO₂ when levels exceed 4500 ppm to maintain healthy air.

❖ Environmental Control Functions

- Precise Temperature Control** Imported compressor, temperature range 15–45°C, full-chamber constant temperature control with an error margin of ≤1°C.
- Rapid Adjustment** Temperature can be adjusted by ±10°C within 10 minutes.
- Humidity Control** Independent dehumidification system meets low humidity requirements, humidity range: 20%-90%.

❖ Infection Control & Air Optimization

- UV Sterilization** Simultaneously disinfects chamber surfaces and air circulation ducts.
- Negative Ion Air Purification** Provides continuous deodorization, improves air quality, and helps relieve asthma and allergies.

❖ Clinical Treatment Support

- Nebulization Function** Built-in nebulizer allows patients to inhale medication inside the chamber.
- Dual-Mode Lighting** Warm Light: Provides a comfortable environment. White Light: Facilitates veterinary examination.
- Emergency Backup Power** Built-in 15-minute battery ensures continuous operation during power outages.

❖ Structural and User-Friendly Design

- Ultra-Low Noise** As low as 50 dB to reduce animal stress.
- Rounded Corner Design** No dead angles for easy cleaning.
- Smart Operation** 7-inch LED screen with intuitive interface for easy use by veterinarians.
- Durable Construction** 304 stainless steel material, rust-proof and pressure-resistant.
- UPS Socket** Supports connection of external devices.
- Easy Mobility** Each ICU unit is equipped with independent heavy-duty casters.
- Privacy Curtain** Protects animal privacy and reduces stress.
- Case Storage** Creates dedicated patient records and enables real-time data storage.
- Safety Assurance** Fault navigation and alarm system.
- Drawer-Style Maintenance Access** Simplifies servicing and ensures worry-free after-sales support.

V Series Large Capacity Models



Model: LEILONG VL

External Size	1200 × 921 × 1020mm(LxWxH)
Internal Size	1115 × 600 × 630mm(LxWxH)
Specifics	one control+one cabin (can be convert to two)

Model: LEILONG VL-SS

External Size	1200 × 921 × 1020mm(LxWxH)
Internal Size	1115 × 600 × 630mm(LxWxH)
Specifics	two controls+two cabins (can be convert to one)



Model: LEILONG LVL

External Size	1200 × 921 × 1910mm(LxWxH)
Internal Size	1115×600×630mm*2(LxWxH)
Specifics	two controls+two cabins (can be convert to four)



Model: LEILONG SSVL

External Size	1200 × 921 × 1910mm(LxWxH)
Internal Size	1115×600×630mm*2(LxWxH)
Specifics	three controls+three cabins (can be convert to two or four)



Model: LEILONG FVL

External Size	1200 × 921 × 1910mm(LxWxH)
Internal Size	1115×600×630mm*2(LxWxH)
Specifics	four controls+four cabins (can be convert to two or three)

Pet Intensive Care Unit

X Series



LEILONG XS

External Size: 1050 × 750 × 820mm(LxWxH)
Internal Size: 700 × 470 × 500mm(LxWxH)

❖ Oxygen and Gas Management

- Oxygen Regulation** Oxygen concentration can reach 45%+ within 15 minutes (calculated with 10L oxygen input).
- Accurate Monitoring** Circulating full-chamber sampling ensures oxygen concentration remains safe and stable.
- Automatic CO₂ Management** Actively discharges CO₂ when levels exceed 4500 ppm to maintain healthy air. An independent CO₂ adsorption tank enables precise adsorption and removal of carbon dioxide.
- Ammonia Adsorption** An external independent ammonia adsorption tank efficiently removes odors, purifies the air inside the chamber, and improves the respiratory environment.



❖ Environmental Control Functions

- Precise Temperature Control** Imported compressor, temperature range 15–45°C, full-chamber constant temperature control with an error margin of ≤1°C.
- Rapid Adjustment** Temperature can be adjusted by ±10°C within 10 minutes.
- Humidity Control** Independent dehumidification system meets low humidity requirements, humidity range: 20%-90%.

❖ Infection Control & Air Optimization

- UV Sterilization** Simultaneously disinfects chamber surfaces and air circulation ducts.
- Negative Ion Air Purification** Provides continuous deodorization, improves air quality, and helps relieve asthma and allergies.

❖ Clinical Treatment Support

- Nebulization Function** Built-in nebulizer allows patients to inhale medication inside the chamber.
- Dual-Mode Lighting** Warm Light: Provides a comfortable environment. White Light: Facilitates veterinary examination.
- Emergency Backup Power** Built-in 15-minute battery ensures continuous operation during power outages.

❖ Structural and User-Friendly Design

- Ultra-Low Noise** As low as 50 dB to reduce animal stress.
- Rounded Corner Design** No dead angles for easy cleaning.
- Smart Operation** 10-inch LED screen with intuitive interface for easy use by veterinarians.
- Durable Construction** 304 stainless steel material, rust-proof and pressure-resistant.
- UPS Socket** Supports connection of external devices.
- Easy Mobility** Each ICU unit is equipped with independent heavy-duty casters.
- Privacy Curtain** Protects animal privacy and reduces stress.
- Case Storage** Creates dedicated patient records and enables real-time data storage.
- Safety Assurance** Fault navigation and alarm system.
- Drawer-Style Maintenance Access** Simplifies servicing and ensures worry-free after-sales support.

X Series Large Capacity Models



Model: LEILONG XL

External Size	1505 × 920 × 1100mm(LxWxH)
Internal Size	1260 × 600 × 650(LxWxH)
Specifics	one control+one cabin (can be convert to two)

Model: LEILONG XL-SS

External Size	1505 × 920 × 1100mm(LxWxH)
Internal Size	1260 × 600 × 650(LxWxH)
Specifics	two controls+two cabins (can be convert to one)



Model: LEILONG LXL

External Size	1505 × 920 × 1800mm(LxWxH)
Internal Size	1260 × 600 × 650mm*2(LxWxH)
Specifics	two controls+two cabins (can be convert to four)



Model: LEILONG SSXL

External Size	1505 × 920 × 1800mm(LxWxH)
Internal Size	1260 × 600 × 650*2mm(LxWxH)
Specifics	three controls+three cabins (can be convert to two or four)



Model:LEILONG FXL

External Size	1505 × 920 × 2020mm(LxWxH)
Internal Size	1260 × 600 × 650mm*2(LxWxH)
Specifics	four controls+four cabins (can be convert to two or three)



Pet Intensive Care Unit



LEILONG 3CWC Pro

External Size: 1420*825*1670mm(LxWxH)

Internal Size: 600*600*600+600*600*700*2mm(LxWxH)

The actual installation size should be reserved at least 10CM



Water cooling temperature control system

Features an imported compressor with a built-in cold storage chamber, enabling rapid cooling within 10S



Three system central control

Three independent control units are integrated into a single screen, featuring an elegant layout and intuitive operation. Each chamber can be regulated independently with non-interfering parameters, fully meeting diverse treatment requirements.

Environmental Control Functions

- Precise Temperature Control** Temperature range 15–45°C, full-chamber constant temperature control with an error margin of $\leq 1^{\circ}\text{C}$.
- Rapid Adjustment** Temperature can be adjusted by $\pm 10^{\circ}\text{C}$ within 10 minutes.
- Humidity Control** Independent dehumidification system meets low humidity requirements, humidity range: 20%-90%.

Oxygen and Gas Management

- Oxygen Regulation** Oxygen concentration can reach 45%+ within 15 minutes (calculated with 10L oxygen input).
- Accurate Monitoring** Circulating full-chamber sampling ensures oxygen concentration remains safe and stable.
- Automatic CO2 Management** Actively discharges CO2 when levels exceed 4500 ppm to maintain healthy air.

Infection Control & Air Optimization

- UV Sterilization** Simultaneously disinfects chamber surfaces and air circulation ducts.
- Negative Ion Air Purification** Provides continuous deodorization, improves air quality, and helps relieve asthma and allergies.

Clinical Treatment Support

- Nebulization Function** Built-in nebulizer allows patients to inhale medication inside the chamber.
- Dual-Mode Lighting** Warm Light: Provides a comfortable environment. White Light: Facilitates veterinary examination.
- Emergency Backup Power** Built-in 15-minute battery ensures continuous operation during power outages.

Structural and User-Friendly Design

- Ultra-Low Noise** As low as 45 dB to reduce animal stress.
- Rounded Corner Design** No dead angles for easy cleaning.
- Durable Construction** 304 stainless steel material, rust-proof and pressure-resistant.
- UPS Socket** Supports connection of external devices.
- Easy Mobility** Each ICU unit is equipped with independent heavy-duty casters.
- Safety Assurance** Fault navigation and alarm system.
- Drawer-Style Maintenance Access** Simplifies servicing and ensures worry-free after-sales support.



Model Comparison Chart



	V SERIES					
Model	LEILONG SE	LEILONG VL	LEILONG VL-SS	LEILONG LVL	LEILONG SSVL	LEILONG FVL
Control	1	1	2	2	3	4
Cabin	1	1 can be convert to 2	2 can be convert to 1	2 can be convert to 4	3 can be convert to 2 or 4	4 can be convert to 2 or 3
External Size/mm	985 × 745 × 785	1200 × 921 × 1020	1200 × 921 × 1020	1200 × 921 × 1910	1200 × 921 × 1910	1200 × 921 × 1910
Internal Size/mm	730 × 540 × 540	1115 × 600 × 630	1115 × 600 × 630	1115*600*630*2	1115*600*630*2	1115*600*630*2
Screen Display	7-inch	7-inch	7-inch	7-inch	7-inch	7-inch
Temperature Control	15℃-45℃	15℃-45℃	15℃-45℃	15℃-45℃	15℃-45℃	15℃-45℃
Air Conditioner	Japan Panasonic	Japan Panasonic	Japan Panasonic	Japan Panasonic	Japan Panasonic	Japan Panasonic
Oxygen Concentration Regulation	○	○	○	○	○	○
Accurate Humidity Control with Dehumidification	○	○	○	○	○	○
Negative Ion Air Purification	○	○	○	○	○	○
UV Sterilization	○	○	○	○	○	○
Nebulization Therapy	○	○	○	○	○	○
Warm Light & Medical Examination Light	○	○	○	○	○	○
Automatic Hypoxia Alarm System	○	○	○	○	○	○
Fault Navigation and Alarm System	○	○	○	○	○	○
Emergency Air Exchange System for Power Outages	○	○	○	○	○	○
Real-time Data Storage	○	○	○	○	○	○
Pet Information Input and Storage	○	○	○	○	○	○
Quick OS Upgrade Port	○	○	○	○	○	○
External Circulation Activated when CO2 >4500 ppm	○	○	○	○	○	○
CO2 Adsorption Tank with Auto-purge	×	×	×	×	×	×
NH3 Adsorption Tank for Air Deodorization/Purification	×	×	×	×	×	×

	X SERIES						OTHERS	
Model	LEILONG XS	LEILONG XL	LEILONG XL-SS	LEILONG LXL	LEILONG SSXL	LEILONG FXL	3CWC Pro	LEMON VS
Control	1	1	2	2	3	4	1	1
Cabin	1	1 can be convert to 2	2 can be convert to 1	2 can be convert to 4	3 can be convert to 2 or 4	4 can be convert to 2 or 3	3	1
External Size/mm	1050 × 750 × 820	1505 × 920 × 1100	1505 × 920 × 1100	1505 × 920 × 1800	1505 × 920 × 1800	1505 × 920 × 2020	1250*825*1670	1050*735*620
Internal Size/mm	700 × 470 × 500	1260 × 600 × 650	1260 × 600 × 650	1260 × 600 × 650*2	1260 × 600 × 650*2	1260 × 600 × 650*2	600*825*200*2 600*825*600	860*530*530
Screen Display	10-inch	7-inch	7-inch	7-inch	7-inch	7-inch	10-inch	LED
Temperature Control	15℃-45℃	15℃-45℃	15℃-45℃	15℃-45℃	15℃-45℃	15℃-45℃	15℃-45℃	15℃-40℃
Air Conditioner	Japan Panasonic	Japan Panasonic	Japan Panasonic	Japan Panasonic	Japan Panasonic	Japan Panasonic	hydrocooling	Japan Panasonic
Oxygen Concentration Regulation	○	○	○	○	○	○	○	○
Accurate Humidity Control with Dehumidification	○	○	○	○	○	○	○	○
Negative Ion Air Purification	○	○	○	○	○	○	○	×
UV Sterilization	○	○	○	○	○	○	○	×
Nebulization Therapy	○	○	○	○	○	○	○	×
Warm Light & Medical Examination Light	○	○	○	○	○	○	○	○
Automatic Hypoxia Alarm System	○	○	○	○	○	○	○	×
Fault Navigation and Alarm System	○	○	○	○	○	○	○	×
Emergency Air Exchange System for Power Outages	○	○	○	○	○	○	○	×
Real-time Data Storage	○	○	○	○	○	○	○	×
Pet Information Input and Storage	○	○	○	○	○	○	○	×
Quick OS Upgrade Port	○	○	○	○	○	○	○	×
External Circulation Activated when CO2 >4500 ppm	○	○	○	○	○	○	○	×
CO2 Adsorption Tank with Auto-purge	○	○	○	○	○	○	×	×
NH3 Adsorption Tank for Air Deodorization/Purification	○	○	○	○	○	○	×	×



Pet Oxygen Generator Module

YCO3-5L

YCO3-V4-10L

ZY-5L, ZY-10L

Respiratory Anesthesia Oxygen Generator Module

ICU Air Purification Device

CO₂ Adsorption Device



Pet Oxygen Generator Module

Model:YCO3-5L

Small and powerful	Long life, stability, medical grade quality
Convenient and flexible	Move position on demand
Low noise	More scientific structural design, ultimate noise reduction processing
Intelligent control	Automatic start and stop, and automatic distribution of oxygen flow



Pet Oxygen Generator Module

Model:ZY-5L/ZY-10L

Powerful performance	ICU Specialized oxygen concentrator
Multiple combinations	There are 5L and 10L models available, suitable for oxygen use in all ICU equipment
Flexible cooperation	Suggested pairing: Small single-cabin ZY-5L; Large double-cabin ZY-10L
Dynamic control	It has an automatic start and stop function, which extends the service life, and reduces the energy consumption of the hospital



Pet Oxygen Generator Module

Model:YCO3-V4-10L

Surging power	4-cylinder compressor
Continuous working hours	7*24H non-stop operation
Intelligent control	Automatic start and stop, energy-saving and extended service life
Long distance oxygen supply	150M ultra long distance conveying

Respiratory Anesthesia Oxygen Generator Module

Model:AIO

Professional counterparts	Suitable for oxygen use in 100% respiratory anesthesia machines
Powerful performance	400Kpa stable output provides 93%+/8L+ oxygen supply
Wide range of assignments	It can be used not only for oxygen supply in operating rooms but also for diversion at any high-pressure oxygen supply point, and can serve as a basic unit for central oxygen supply.





ICU Air Purification Device

Model:AD-An

Improve the air quality in the ICU

CO2 Adsorption Device

Model:AD-CO2

Efficient removal of CO2 from the ICU



Equipment connect (Optional)

After binding the WeChat mini program, it can connect to the product for operation

