

Smart Air Super Vet ICU Quick Guide

This guide will cover the basic setup and functions of the Super Air Veterinary ICU.

System and controller functions



1. On/Off
2. Nebulization port
3. Access window
4. Controller
5. Oxygen flow meter
6. IV pole
7. Power Output

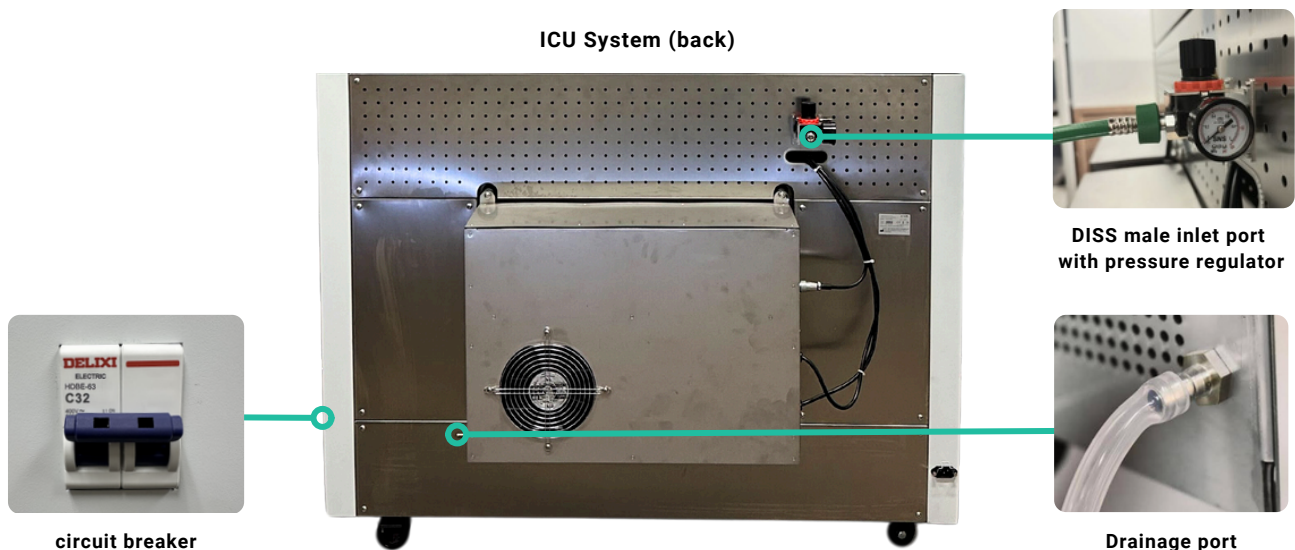


1. Temperature
2. Humidity
3. Oxygen/O2 setting
4. CO2
5. Lamp/Yellow light
6. Check/White light
7. Blue light

8. Nebulizer
9. Sanitization
10. Ionization
11. Internal circulation
12. External circulation
13. Setting/Calibration
14. Triage/tags

System set-up

ICU System (back)



Step 1: Power supply

- Connect power cord located near the right back corner of the unit.
- Turn on the circuit breaker located on the side of the unit.

This product is for veterinary use only.

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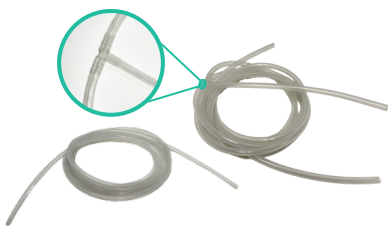
Step 2: Condensation drainage

- Connect one end of the (single/T-joint) drainage tube to the drainage port located on the back of the unit.
- Connect the other end of the drainage tube to an appropriate drip tray or lead the tube to facility's drainage.
- Use single drainage tubes for single ICUs.
- Use T-joint drainage tubes for twin ICUs.

Step 3: Connecting the ICU to the Oxygen Source:

- Connect the medical grade green colored oxygen hose to oxygen tank or wall oxygen outlet port.
- Attach the other end of the oxygen hose to the oxygen inlet port located on the back of the ICU.

Step 2



single or T-joint drainage tube



Medical grade O2 hose

Step 3



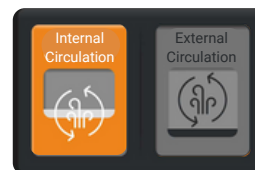
O2 tank or medical gas wall port



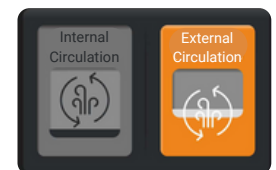
DISS male inlet port with pressure regulator

Circulation modes:

1. Internal Circulation:
 - When using O2 sources, start Internal Circulation to increase and reach the desired oxygen level in the chamber.
2. External Circulation:
 - You can manually activate External Circulation anytime for ventilation or adjusting the oxygen back to the ambient.
 - When CO₂ reaches the warning threshold (2000 ppm), the system automatically switches to External Circulation to lower CO₂ levels



Circulation modes



Lighting options:

- Yellow: Enhances patient environment and observation
- White: Improves visibility during examinations
- Blue: Speeds up skin and wound healing



Lighting options

Starting the ICU

Step 1: Initiating ICU

- Activate External Circulation, by pressing the "External Circulation" icon.
- If not, perform oxygen sensor calibration (refer to 'oxygen sensor calibration' in *Cleaning and Maintenance* section page 4).
- Open the flowmeter located on the front of the ICU and switch the ICU mode to "Internal Circulation" before starting oxygen supply.

Step 2: Set parameters

- Temperature: Press the "Temperature" icon, set the target temperature (59~99°F), and press "Confirm."
- Oxygen concentration: Press the "Oxygen" icon, set targeted oxygen level (21~80%), and press "Confirm."
- Reconfirm the ICU is set to "Internal Circulation."
- Humidity is also monitored in the range of 55 – 75%RH.
- When CO₂ levels reach 2000 ppm, the system automatically switches to External Circulation to ventilate and lower CO₂ levels.



Flowmeter

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Once parameters are set (Temperature, Oxygen, etc.) based on your requirements for the patient, carefully place the patient(s) into the ICU.



Routine operation

Nebulization:

1. Connect the nebulizer to the "Nebulization" port located on the front of the ICU.
2. Ensure the infused medication is filled within the max line of the nebulizer bottle for quiet operation.
3. Press the "Nebulizer" icon to activate nebulization (orange illumination lights up when activated).
4. Press "Time" icon to set/adjust the timer.

Disinfection:

1. Press the "Sanitize" icon to activate chamber disinfection (orange illumination lights up when activated).
2. Press "Time" icon to set/adjust the timer. Our technology allows patients to remain in the ICU

Ionization therapy:

1. Press the "Ion Therapy" icon to activate ionization therapy (orange illumination lights up when activated).
2. Press "Time" icon to set/adjust the timer.

Nebulizer removal



Push the port in and pull nebulizer out

Ending treatment

Transition to "External Circulation"

1. **Activate External Circulation.**
2. Close the oxygen flowmeter and turn off the Oxygen supply.
3. Open the chamber doors and remove the patient.

Oxygen adjustment

1. Wait for internal Oxygen concentration to stabilize at ~21%.

Power off

1. Remove patient from ICU.
2. Press power button to shut down the ICU.



External Circulation

Cleaning and maintenance

Routine cleaning:

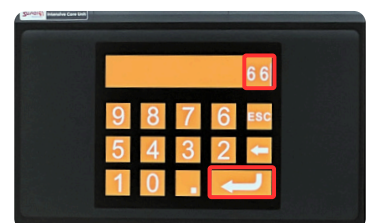
- Wipe the ICU with alcohol-soaked gauze after each use.
- Avoid high-pressure water or flames.
- Our technology allows animals to remain in the ICU.

Oxygen sensor calibration:

- Activate "External Circulation" for 2 minutes.
- If the O2 concentration is still not reading ~21%, press the "SET" icon on the top-right corner of the front panel to access the calibration menu.
- Enter password 66 and press Enter.
- Wait approximately 1 minute for the "Sampling Value" shown on the left side of the screen to stabilize.
- Once "Sampling Value" is confirmed stabilized, press "OK" icon in the upper "Daily Calibration" section, then "Save" icon next to "OK" icon, and finally press "Return" icon at the bottom of the screen to complete calibration.

Condensation management:

- Regularly check the A/C drain tray and empty it as necessary.
- Check and clear drainage tubes for blockages.



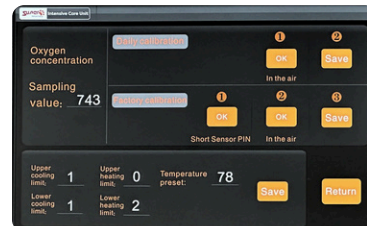
Calibration Menu Password

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Troubleshooting

1. **Unit won't turn on** - Check power source, power cable connections, and the circuit breaker.
2. **Temperature or oxygen issues** - Verify settings and calibration.
3. **Nebulizer not working** - Check connections or replace the module.
4. Please refer to the Smart Air ICU User Manual or contact our ICU Support Team for more troubleshooting.



Accessories

	Front door curtain Item #: Front_Curtain_C1, Front_Curtain_C2, Front_Curtain_C4		Nebulizer & attachment accessories Item #: Nebulizer_Set
	Wheels for Super Air Unit Item #: Wheel_ICU		Single/3-way Drainage tube for A/C Item #: Drain_Tube
	Dual-hole Front Door Silicon cap Item #: Silicon_HoleCap		Mounting pole assembly for IV bag Item #: Mounting_Pole

Important Warranty Information

To activate your warranty and ensure the best service experience, please complete your product registration within 10 days of the product installation.

By registering, you will:

1. Verify your warranty coverage.
2. Gain access to customer support and service updates.
3. Receive exclusive product information and tips.

Please visit the following link or scan the QR code to complete your warranty registration.

Please have your product serial number handy: <https://bionetus.com/icu-registration/>

The warranty applies exclusively to service parts and is valid for a period of 12 months from the date of product purchase. Please note that this warranty covers parts only and explicitly excludes labor costs, which are the responsibility of the customer. Additionally, warranty validation requires the completion of a warranty registration, including all necessary installation information



Smart Air ICU
Warranty Registration



Smart Air ICU
Introduction Video



Smart Air ICU
User Manual

For support, contact us at 1-877-924-6638 or e-mail to icu-support@bionetus.com