

# Operator's Manual



## The Quietek™

### Congratulations!

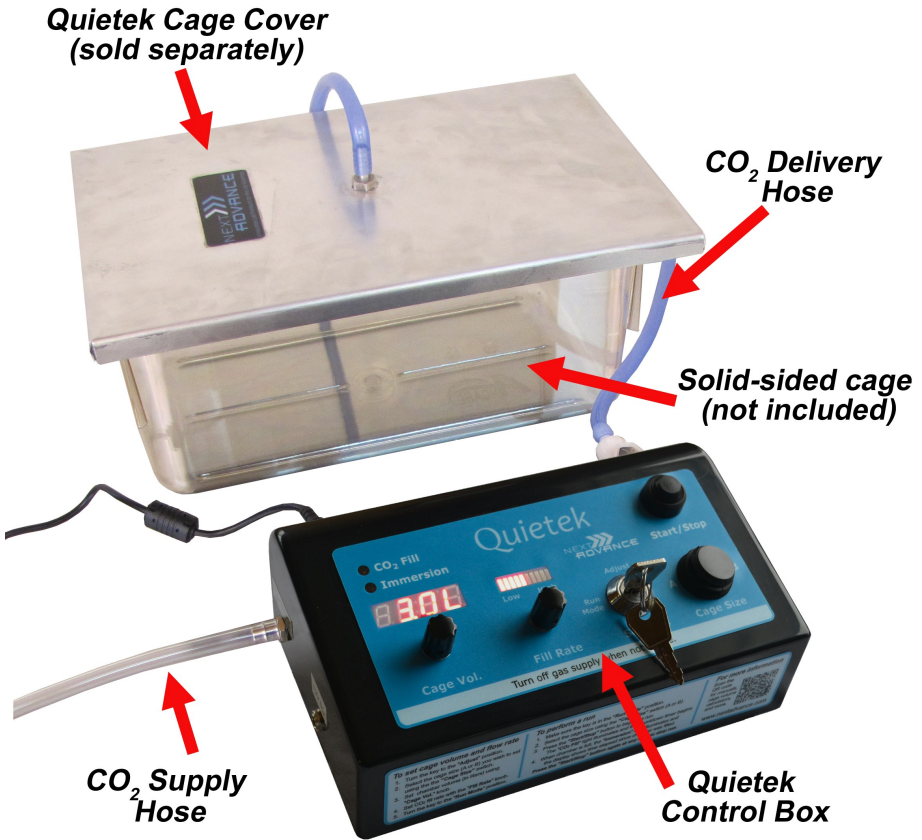
Congratulations on your purchase of the Quietek™ euthanasia system. Please read this operator's manual which explains proper operation of the instrument. This manual is posted on our website, [www.nextadvance.com](http://www.nextadvance.com). Click the SUPPORT button on the menu bar at the top of the page. Then select *Quietek Support* from the drop down.

We're confident that your Quietek will become an essential tool in your facility and we wish you success with your work.

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## Quietek Components



## Quietek Components



Caution: Follow the Instructions in the Operator's Manual



This product complies with European Low Voltage and EMC Directives



Please dispose of the Quietek in accordance with local regulations

## Preparing the Quietek for Use

- Insert the power supply lead into the receptacle (power jack) on the back of the Quietek control box, and plug the power supply into a standard outlet.
- Connect the CO<sub>2</sub> delivery hose to its fitting on the control box, and attach the other end to the barbed fitting on the cage cover. The Quietek 2 has fittings for operation with up to two cage setups.

Ensure that the cage cover is large enough so that bent edges fit entirely over the rim of the cage. If any part of the bent metal edge of the lid is in contact with the cage rim, the lid may not seat properly.

## Adjusting the Settings

Before you begin, determine the volume of your cage in liters. A cage volume calculator is available at [cagevol.nextadvance.com](http://cagevol.nextadvance.com).

- Select the setting that you wish to adjust (A or B) using the "Cage Size" switch. The Quietek can store two different cage volume/flow rate combinations.
- Turn the key to the "Adjust" position.
- Set the cage volume using the "Cage Vol." knob. Measurements are shown in liters.
- Set the desired fill rate using the "Fill Rate" knob. Flow rate is controllable within the range specified in the AVMA guidelines.

- RapidFill option: Press the Start/Stop button to configure RapidFill. Turn the Cage Size knob to set the time you wish RapidFill to be available during the run.
- Turn the key to the "Run Mode" position. If the key is removed in run mode, the machine will still run and the settings will not be adjustable.

**Note:** For the Quietek 2, settings A or B (depending on the orientation of the "Cage Size" switch) will apply to every cage or chamber that is connected to the device. You cannot have one cage run on A and the other one run on B at the same time.

## Performing a Run

- For every cage or chamber being used, confirm that the lid is properly fitted, with the lining in full contact with the cage rim.
- Open the valve on the CO<sub>2</sub> source.
- Ensure that the key lock is in the "Run Mode" position. **Run will not start if the key is in the "Adjust" position.**
- Press the "Start/Stop" button. If you are using the Quietek 2, press the "Start/Stop" button(s) for the cage(s) that you want to use. The "CO<sub>2</sub> fill" light corresponding to the cage you are using will illuminate, and the timer will count down until set cage volume of gas has been delivered.
- When the cage is filled, the CO<sub>2</sub> flow will stop. The "Immersion" light will illuminate and the timer will show time elapsed since immersion began.

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- To stop the run, press "Start/Stop" again. The controller will reset, and another run can be performed with the same settings if desired. The CO<sub>2</sub> supply does not need to be shut off between runs.

- **RapidFill option:** RapidFill is enabled when the last bar on the rate display begins to flash. Turn the "Fill Rate" knob 1/2 turn to the right to enter RapidFill mode. The rate display will begin to scroll. The run can still be stopped by pushing the Start/Stop button.

- If you wish to perform a run with different settings, you can change the "Cage Size" switch to the other position if the settings have been saved previously. To perform a run with new settings, adjust the parameters as described in the "Adjusting the Settings" section above.

**Emergency stop: The run can be stopped at any time by pressing the "Start/Stop" button.**

**Note:** If the CO<sub>2</sub> pressure is below 15 psi, the digital display will alternately flash "CO<sub>2</sub>" and "LO".

### Purging the Chamber

To purge, tip the chamber over to release CO<sub>2</sub>. This process may take several minutes based on the size of the chamber and air flow in the area.

### Cleanup

After use, shut off the CO<sub>2</sub> supply. Wipe down the inside of the lid with

warm water and then spray with 70% ethanol or another suitable cleaner. The unit may be unplugged if desired.

The Quietek controller box can also be wiped down with a water and mild detergent such as Alconox. Ethanol or other alcohols will dull the finish of the box. The unit should not be immersed in liquid.

### Troubleshooting

**If the Quietek doesn't turn on,** the plug of the power supply cord may not be in a live wall outlet or the power supply connector may not be fully inserted in the socket on the side of the Quietek.

**If the cage volume indicator is flashing "CO<sub>2</sub>" and "LO",** the CO<sub>2</sub> pressure from the supply tank or line is too low for the Quietek to operate properly. Check the CO<sub>2</sub> source to make sure that it is securely connected to the device.

**Note:** Some institutions may require external confirmation of the gas flow rate from the Quietek controller. This may be most conveniently done by disconnecting the lid and attaching a precision CO<sub>2</sub> flowmeter to the tube.

### Support

FAQs and other helpful information are available on our website, <http://www.nextadvance.com>. Under the Products tab on the left-hand menu bar, click the link to the Quietek. If you cannot find an answer there, please

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contact customer service by email at support@nextadvance.com or by telephone at 1.518.674.3510.

## Specifications

Size: depends upon model

Weight: depends upon model

Power Requirement: 12 V, 0.70 Amp

Relative Humidity: 5 - 90%  
noncondensing

Operating Temperature: 4 - 40°C

Altitude: <2000m

Storage Temperature: -40 - 40°C

CO<sub>2</sub> Pressure Requirement: 20-75 psi

Meets requirements **CE** (-CE models only)

## Warranty

Next Advance warrants its Products against defects in materials and workmanship for time periods which vary according to the Product. Within these time periods, Next Advance will replace or repair, without charge to the original purchaser, any part which is defective. The Quietek warranty is one year.

The warranty is void if the Product is defective due to product accident, product modification, exposure to radiation other than for sterilization, connection to an improper electrical supply, lack of proper maintenance, contamination, improper installation or misuse. If the product is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired. The

warranty shall also not apply to defects arising from fire, flood, lightning or other conditions unrelated to correct operation of the Product.

Next Advance's liability is limited, at the company's election, to (1) refund of the original purchaser's purchase price for the Product (2) repair of the Product, or (3) replacement of the Product or defective parts. Evidence of purchase by the original purchaser is required. Next Advance may also request documentation of proper maintenance, if applicable.

Next Advance makes no other warranty, expressed or implied, with respect to its Products. NEXT ADVANCE MAKES NO WARRANTY RESPECTING THE MERCHANTABILITY OF THE PRODUCTS OR THEIR SUITABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR USE. Next Advance shall not be liable for indirect, special, incidental or consequential damages of any nature.

Any recovery for any claim shall be limited to the original purchase price for the product.

## OPERATOR'S RESPONSIBILITY

Provide proof of purchase and provide normal care and maintenance.

## Warnings and Cautions

Read the use's manual before operating.

No serviceable parts are inside.

Use only with CO<sub>2</sub> supply line or tank.

For indoor use only.

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Pollution Degree 2 per EN 61010-1.

Enclosure Protection: Not Protected  
Against the Ingress of Moisture.

Do not immerse in liquid.

Before using the Quietek, touch a bare metal surface to discharge static electricity.

All brand and product names used in this manual are the trademarks of their respective owners.

**Note:** No animals were harmed or euthanized for the main purpose of developing or testing this product.

## Contact Information

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