

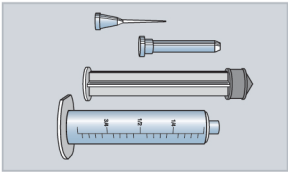


# EOGas® Series 3+

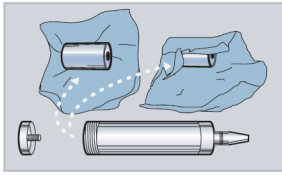
## Quick Reference for EOGas® 100% EtO (Ethylene Oxide) sterilizers

Please refer to the EOGas Series 3+ Operator Manual for complete instructions

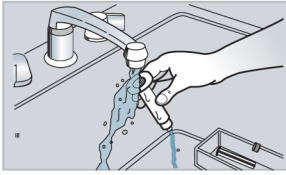
### PREPARATION



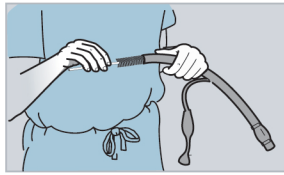
1. Disassemble items before sterilization in order for the ethylene oxide gas to penetrate freely.



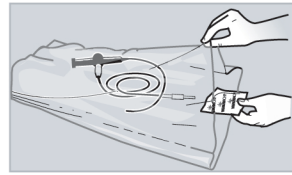
2. When sterilizing instruments that contain batteries, first remove the batteries, then wrap them separately. EtO is highly flammable and care must be taken to avoid sparks or flame.



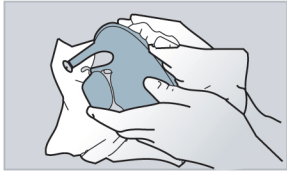
3. Clean all instruments thoroughly in water and detergent to loosen protein & residues.



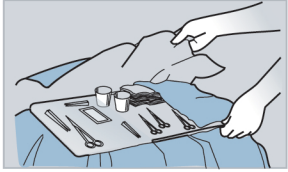
4. Coatings of dry protein (like pus, blood or feces) protect microorganisms and slow the sterilization process. Therefore, scrub instruments to a "surgically clean" standard before sterilizing.



5. If an item cannot be immersed in water, create a humidification chamber by placing a Humidichip® (AN1071) in a sterilization bag with the item, and twist-tie the bag closed. Leave the item in the bag for four hours.



6. Items must be drained, then towel and/or air-dried completely before processing. Do not dry them with hot-air. Heat can desiccate bacterial spores, making them more resistant to sterilization.



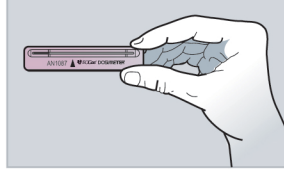
7. Wrap items individually in Self-Seal Pouches (AN2310 - AN2350), Seal and Peel® (AN820-AN870), CSR wrap or other compatible material.



8. Seal and Peel packaging is designed for use with EOGas Series 3+ and allows you to create see-through, peel-open, extended shelf-life pouches.



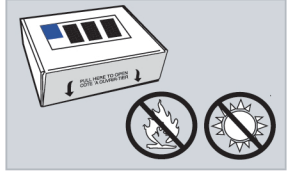
9. Apply at least one Exposure Indicator, (AN85 or AN86 Package Closure Indicator Tape) to each package. The color change to blue will indicate that package was exposed to the sterilant. Exposure Indicators do not indicate sterility, only exposure.



10. Dosimeters® (AN1087) change color on exposure to ethylene oxide gas in proportion to the length of time and the temperature within the cabinet. If the yellow crystals turn to blue from left to right as far as the triangular mark (▲), you can be certain that the sterilization parameters for properly prepared items have been met.



11. Ethylene oxide (EtO) gas is extremely flammable in concentrations above 3.0% (30,000 ppm). Avoid breathing EtO vapors. EtO is irritating to the lungs and mucous membranes.

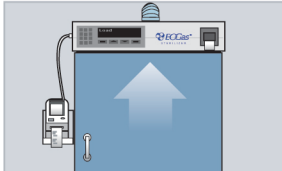


12. Store the EOGas® dispenser kit in a well ventilated room between 59° and 86° F, away from direct sunlight. Keep the box lid closed when not in use. Keep the Humidichip pouch tightly sealed to prevent drying of the chips.

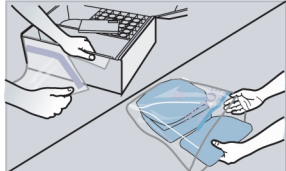
### STERILIZATION



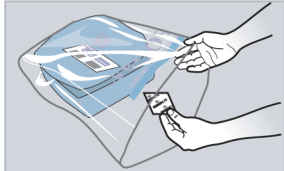
1. Press the LOAD button on the control panel keypad and enter the bag identification



2. The cabinet will be purged by a high-capacity blower, removing any residual sterilant in the cabinet. This takes 5 minutes. The temperature may decrease temporarily from its set point of 50°C; this is normal.



3. Unroll one sterilization bag from the EOGas dispenser box and tear it off at the perforations. Place the wrapped items to be sterilized into the bag. Do not pack the bag too full. Leave ample space to seal the bag on the blue line on the open end.



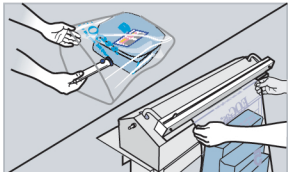
4. Take one AN1071 Humidichip® from the EOGas dispenser box and place it in the sterilization bag. Use two chips if the load contains primarily dry cotton or paper.



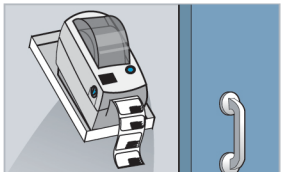
5. Remove one EOGas cartridge from the dispenser box. Be certain that the number printed on the EOGas cartridge corresponds with the number printed on the sterilization bag you have chosen.



6. The cartridge has a trigger guard which prevents inadvertent release of the gas. Tape holds the trigger guard in place. Remove the tape and trigger guard but do not press the cartridge trigger yet.



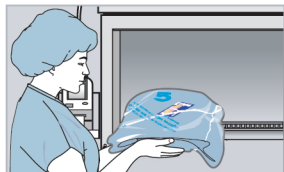
7. Place the EOGas cartridge into the sterilization bag. Place the Dosimeter® and/or biological indicator in the core of the load. Press the excess air out of the bag. Heat seal it where indicated by the blue line. Check the seal visually to be certain that it is complete.



8. The label printer automatically prints the load data on two self-adhesive labels. Remove one label and adhere it to the sterilization bag. The second label may be placed on a load tracking chart.



9. After 5 minutes, a chime will sound and the display will show "DOOR UNLOCKED", showing that the purge cycle is complete and the sterilizer door is unlocked. Enter the security passcode (if applicable) and open the sterilizer door.



10. Place the sterilization bag on a shelf in the sterilizer.

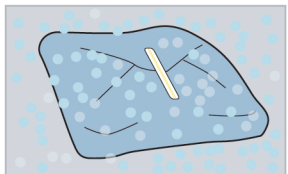


11. Grasp the cartridge through the sealed sterilization bag and press the trigger with your thumb until you feel a snap. This action releases the gas from the cartridge into the diffusion bag. Close the door. It will lock automatically in three minutes.

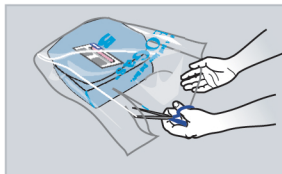


12. Leave the sterilization bag undisturbed in the sterilizer for 16 hours. During this time, other loads can be removed if their cycle time has elapsed. New loads can be added, provided there is sufficient space in the sterilizer. At the end of the 16-hour cycle, press UNLOAD to purge the cabinet and remove the bag.

### POST - STERILIZATION



1. Large, gas absorbing items, especially implants and devices that will contact blood or living tissue may require additional aeration time. Please refer to device manufacturer's guidelines on aeration after EtO sterilization, and to the "EOGas Sterilizer Operation / Extended Aeration" section of the Operator's Manual for full instructions on extended aeration.



2. **EXTENDED AERATION IN EOGAS CABINET.**

If extended aeration is desired, slit each appropriate bag down the center to aerate.

Close door and press:  
0 = 5 min.  
1 = 1 hr.  
2 = 2 hr.  
3 = 3 hr.  
4 = 4 hr.

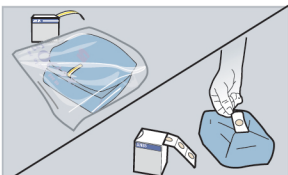


3. Unload sterilization bag in well ventilated area.

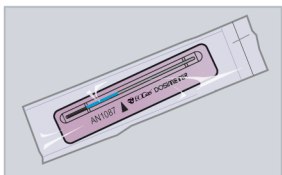


4. The sterilization bag and exhausted cartridge may be disposed of in ordinary rubbish. The cartridge and sterilizing bag are single-use items and must be discarded after the cycle.

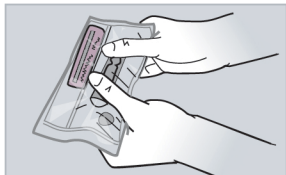
### CONTROLS & MONITORS



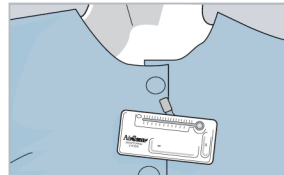
**CHEMICAL EXPOSURE INDICATORS:** These are visual indicators that the sterilization package has come into contact with the EtO. They do not replace biological indicators. Adhere a chemical indicator (AN85, AN86) to individual package - or insert a Dosimeter at the point of sterilization (Step 7 above, "Sterilization" section).



**CHEMICAL EXPOSURE INTEGRATORS** such as the **AN1087 Dosimeter** provide immediate visual confirmation that time, temperature, and EtO concentration were sufficient for sterilization to occur.



**BIOLOGICAL INDICATORS (BI's):** A self-contained BI (such as the AN1080 Steritest, AN2200, or AN2203) should be used on a regular basis to test the procedure. It should be placed in the most challenging area of the load; Refer to Sterilization - Step 7. At the end of the cycle, incubate the culture medium in an incubator. Check for a 24 - and 48 - hour color change. BI's are sensitive to gas concentration, cycle time, and average cycle temperature. Please refer to complete instructions packaged with BIs.



**SINGLE USE - PERSONNEL MONITORING:** Airsense® Monitors (AN91, AN92, & AN93) measure personnel exposure to airborne concentrations of EtO. The badge is worn by the operator for the prescribed time (15 minutes to obtain the STEL level or 8 hours to obtain the TWA level). Badges are sensitive to smoke, perfume, and sunlight. These may provide a false reading. Refer to complete package instructions. A handheld monitor can also monitor EtO vapors wherever positioned.

## Key Operator Certification and Training

We recommend that all operators at your facility are formally trained before they use the sterilizer for the first time. The Andersen Key Operator Certification Program is available **free of charge** for the lifetime of your sterilizer.

*Have you been certified?*

### Contact Us

To speak with an Andersen Representative, please call:

**800-523-1276**

Se habla Español

After business hours, in case of emergency please call:

**800-255-3924**

**Andersen Products, Inc.**  
Health Science Park • 3202 Caroline Drive  
Haw River, NC 27258-9564 USA  
800-523-1276 • fax 336-376-8153

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