



Andersen EO flexible chamber technology (EO-FCT) sterilizers offer the most gas efficient process on the market today. We offer a range of systems for medical, industrial and veterinary applications.

**FDA cleared** and **ISO approved**, there is an Andersen sterilizer to meet your needs. When installed with an Andersen emissions abator, these high-efficiency systems produce effectively **zero emissions** to the environment.

## The Most Effective Sterilant



- Proven reliability
- 58% of all medical devices are sterilized with EO
- FDA recommended for material compatibility and endoscope sterilization

## The Most Efficient Sterilizer



- Only 17.6 grams of EO per cycle
- Eliminates chamber dead space with high-efficiency EO-Flexible Chamber Technology (EO-FCT)
- Ability to sterilize long, narrow and multi-channel lumens.

## Zero Emissions Process



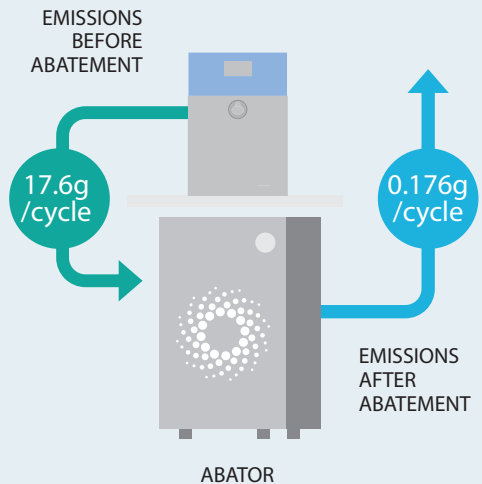
- Andersen's abator completes our zero emissions sterilization system
- Easy installation
- Replaceable cartridge lasts up to 200 cycles

# Anprolene Emissions by the Numbers



Single Cycle Emissions Data for Andersen Anprolene Sterilizer  
**Emissions = 17.6g per cycle**

What are the emissions for an Andersen Anprolene Sterilization System with abator?  
**Emissions = 0.176g / cycle**



## Emissions Data for Andersen Anprolene Sterilization System:

The Andersen Anprolene sterilizer uses a 17.6 gram, 100% ethylene oxide (EO) cartridge. The cycle time is 12- to 24-hours of sterilization with a 2-hour aeration cycle, for a total 14-hour minimum cycle. Additional aeration may be necessary.

<u>Annual Emissions based on typical usage:</u>	<u>Without Abator</u>	<u>With Abator (99% Removal Efficiency)</u>
Light use (one cycle per week):	2 lb/.92 kg	0.02 lb/0.01 kg
Medium use (two cycles per week):	4 lb/1.83 kg	0.04 lb/0.02 kg
Heavy use (five cycles a week):	10 lb/4.57 kg	0.1 lb/0.05 kg
Annual <b>Maximum</b> Emissions:	24.3 lb/11 kg	0.24 lb/0.11 kg

### Annual Maximum Emissions calculations:<sup>1</sup>

- Hours in a year:  $365 \times 24 = 8,760$
- Maximum potential number of Anprolene cycles in a year:  $8,760 / 14 \text{ hour cycle} = 625.7^2$
- Maximum potential grams used per year:  $626 \times 17.6 = 11,018$
- Maximum potential emissions per year:  $11,018 / 454 = 24.3 \text{ lb} / 11 \text{ kg}$

### Hourly Emissions calculations:

- Anprolene releases 17.6 g over a 14 hour sterilization/aeration cycle, or approx. 1.3 grams /hour.
- WITH an abator, the Anprolene system releases an average of .0126 grams EO/hour.

1. The Annual Maximum Emissions calculation assumes that a sterilizer is run 24 hours a day, seven days a week, for all 365 days of a year. This calculation is used by some regulatory agencies to determine the maximum potential emissions from a system. It does not include additional aeration time and does not reflect the usage or the emissions of a typical user/facility.

2. Assumes no additional aeration. In practice, many loads will require 12 to 24 hours of additional aeration in the cabinet.

