



The new Andersen EO flexible chamber (EO-FCT) sterilizers offer the most gas efficient process on the market today. We offer a range of systems for human health care, 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 duodenoscope sterilization

## The Most Efficient Sterilizer



- Only 10.5 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 solution to completing its zero-emissions sterilization system
- Easy installation
- Replaceable cartridge lasts up to 200 cycles

# EOGas 3 Emissions by the Numbers



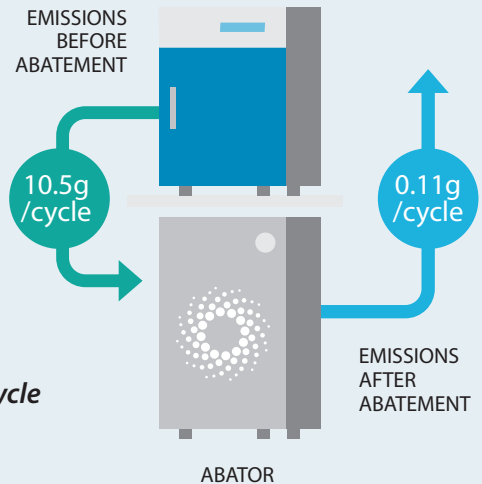
EOGas 3

## Single Cycle Emissions Data for Andersen EOGas 3 Sterilization System

**Single Load Emissions = 10.5g per cycle**  
**Full Load Emissions (10 Loads) = 105g per cycle**

## What are the emissions for an Andersen EOGas 3 Sterilization System with abator?

**Single Load Emissions = 0.11g per cycle**  
**Full Load Emissions (10 Loads) = 1.10g per cycle**



## Emissions Data for Andersen EOGas 3 Sterilization System:

The Andersen EOGas 3 systems use a 10.5-gram, 100% Ethylene Oxide (EO) cartridge. The cycle time is 16 hours of sterilization (some loads may require additional aeration).

<u>Annual Emissions based on typical usage:</u>	<u>Without Abator</u>	<u>With Abator (99% Removal Efficiency)</u>
Light Use (ten cycle per week):	12.03lbs./5,460g	0.12lb/54.43g
Medium Use (thirty cycles per week):	38.08lbs./16,380g	0.36lb/163.29g
Heavy Use (fifty cycles a week):	60.13lbs./27,300g	0.60lb/272.16g
Annual Maximum Emissions <sup>1</sup> :	132.8lbs./62,700g	1.33lb/603.28g

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

- Hours in a year:  $365 \times 24 = 8,760$
- Maximum potential number of EOGas 3 cycles in a year<sup>2</sup>:  $8,760 / 16 \text{ hour cycle} = 547[2]$
- Maximum potential grams used per year:  $547 \times 105\text{g} = 60,270\text{g}$
- Maximum potential emissions per year:  $60,270 / 454 = 132.8\text{lbs}/60.3\text{kg}$

### Hourly Emissions calculations:

- EOGas 3 releases 10.5g over a 16 hour sterilization/purge cycle, or approx. 1.5g /hour.
- WITH an abator, the EOGas 3 system releases an average of 0.02g 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.

