ANDERSEN STERILIZERS

High Efficiency Gas Sterilization Systems

Andersen's EO Flexible Chamber Technology (EO-FCT) sterilizers offer the most gas-efficient process on the market today. We offer a range of FDA Cleared and ISO approved systems for medical, industrial and veterinary applications.

When paired with an Andersen emissions abator, these high-efficiency systems produce effectively zero emissions to the environment. Andersen's abators are easy to install and their replaceable cartridges last 200 cycles.

The Most Effective Sterilant

- Proven reliability
- 50% of all medical devices are sterilized with EO
- FDA recommended for material compatibility and duodenoscope sterilization

The Most Efficient Sterilizer

- Use a 17.6 gram EO microdose each cycle
- Eliminates chamber dead space with our proprietary technology (EO-FCT)
- Ability to sterilize long, narrow and multi-channel lumens.

Zero Emissions Process

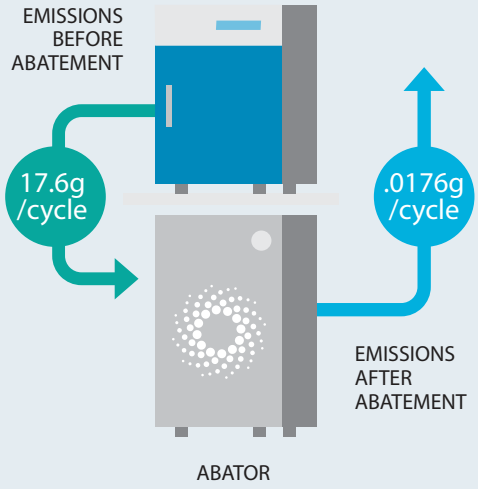
- Andersen's AN5100 Abator completes this zero emissions sterilization system
- Demonstrated 99.9%[1] efficiency
- Dry catalyst resin converts EO to biodegradable organic compounds

EOGas 4 Emissions by the Numbers


EOGAS 4

Single cycle emissions for an Andersen Anprolene Sterilizer: **17.6 grams.**

With the addition of an optional emissions abator (AN5100): **0.0176 grams.**



Emissions Data for Andersen EOGas 4 Sterilization System:

The Andersen EOGas 4 sterilizer uses a 17.6 gram, 100% ethylene oxide (EO) cartridge. The cycle time is 3 hours of sterilization with a 0.5-hour purge cycle, for a total 3.5-hour minimum cycle. Additional aeration may be necessary.

Annual Emissions based on typical usage:	*Without Abator*	*With Abator (99.9% Efficiency)*[1]
Light use (two cycles per week):	4 lbs / 1.8 kg	0.004 lbs / 0.002 kg
Medium use (five cycles per week):	10 lbs / 4.5 kg	0.010 lbs / 0.005 kg
Heavy use (ten cycles per week):	20 lbs / 9.1 kg	0.020 lbs / 0.009 kg
Annual Maximum Emissions:	97.1 lbs/ 44 kg	0.097 lbs / 0.044 kg

Annual Maximum Emissions calculations:[2]

- Hours in a year: 365 x 24 = 8,760
- Maximum potential number of EOGas 4 cycles in a year: 8,760/3.5 hour cycle = 2,502.9[3]
- Maximum potential grams used per year: 2,502.9 x 17.6 = 44,050
- Maximum potential emissions per year: 44,050/453.6 = 97.11 lbs / 44 kg

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1. *These tested efficiency numbers are based upon Andersen Sterilizers' laboratory test - "Efficiency Testing for the AN5100 Cartridge Abator and the AN5200 Barrel Abator."*
2. *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.*
3. *Assumes no additional aeration. In practice, many loads will require 12 to 24 hours of additional aeration in the cabinet.*