

100% Ethylene Oxide Sterilisation



The EO Gas 4 steriliser breaks the 4-hour barrier with the proven reliability of 100% ethylene oxide (EtO) sterilisation.

EO Gas 4 now makes it possible to achieve sterilisation with ethylene oxide in 3.5 hours. The heated EO Gas 4 cabinet along with Andersen's bag and cartridge technology maximises gas efficiency and minimises gas usage; only 17.6g of gas per cycle. Turn-around time for delicate medical items has never been this fast.

Andersen's purge probe technology uses active aeration to flush the sterilisation bag with a constant flow of fresh air at the end of the sterilisation cycle.

Warm air is circulated throughout the chamber walls to maintain a constant temperature thus ensuring effective sterilisation and aeration.

Two-button interface and digital display makes EO Gas 4 easy to use. Sterilisation status and cabinet temperature are shown throughout the cycle. Items that retain EtO may require additional aeration. Optional 6-hour cycle available for devices with long lumens.

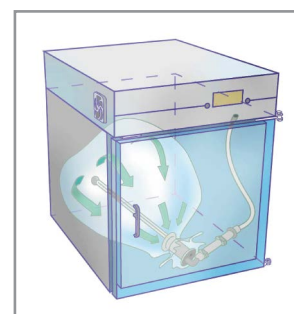
Micro-Dose System:

EtO is provided in glass ampoules. When activated these release EtO directly to the heart of the load delivering a high level of sterility with a very small amount of gas.



Active Aeration:

Its unique combination of purge probe and sterilisation bag allows air to be removed from around the items prior to sterilisation, and clean air to "wash" them after the sterilisation cycle.



The EO Gas Series 4 steriliser delivers 10⁻⁶ SAL sterilisation and aeration, in the one cabinet, in 3½ hours.



Maximum Performance • Minimum Gas

EOGas 4 reaches a Sterility Assurance Level (SAL) of 10^{-6} in 3 hours using only 17.6g of ethylene oxide.

Safe for the environment

EPA registered (Environmental Protection Agency), a combination of purge and ventilation systems ensures that operators are not exposed to EtO. Outside, the EtO reacts with moisture and forms biodegradable chemicals. The gas ampoule and sterilisation bags (and indeed the abator cartridge) may be disposed of as household waste.

Exhaust Gas Abator

The customer may choose to pass the exhaust gases through an abator. The abator cartridge absorbs over 99.9% of the EtO in the exhaust stream.

This may be required by a strict local regulation, or the customer may be venting the exhaust into the central waste gas system rather than directly to the outside. The unit uses a disposable cartridge, which will abate 200 cycles with 17.6 ampoules.

EOGas 4 compared to other Low Temperature Sterilisers:

- The widest range of material and product compatibility (other than foods, liquids, or drugs).
- Ability to sterilise long, narrow, and multi-channel lumens.
- All sides and surfaces are sterilised; no “shadowing”.
- Compatible with all common packaging materials.
- Will not damage delicate instruments like harsh chemical sterilants.



Studies:

Narrow lumen performance:

The Series 4 sterilised spore strips held at the closed end of a stainless steel, 1.5 meter long, single-ended, 1mm lumen.

Accelerated aeration:

Aeration of a Pentax colonoscope following sterilisation in an EOGas cabinet reduced EtO residues in 45 minutes to a level suitable for patient use.

Free Key Operator Training

Andersen provides free training for as many operators as required, for the lifetime of the cabinet.

Specifications:

AN4000.11

Dimensions: (W x H x D)

External dimensions:
See diagram

Internal dimensions:
45.7cm x 34.9cm x 64.1cm

Total Weight:
76.2 kg

Power Supply:
230 ± 10%, 50-60 Hz

