



# ETHYLENE OXIDE STERILIZERS

“Low-Temp” Medical Sterilizers for Hospitals



Manual

- **Low cost of ownership and Low power consumption.**
- **Small Footprint and no compressor needed.**
- **Time tested Sturdy Design.**
- **Automatic Temperature Control.**
- **Uses 100% E.O. gas cartridge - 40gms.**
- **Sterilization cycle in vacuum, hence much safer.**
- **Chamber and Internal Piping made from stainless steel.**



These are dedicated **“Low Temp”** Medical Sterilizers using Ethylene Oxide as the sterilant gas. They are capable of sterilizing medical devices even in packed form. With the increasing use of plastics, electronics and other heat sensitive or heat labile materials in the manufacturing of medical devices, used in modern day surgical procedures in hospitals, there is a need for a sterilization method which operates on low temperature that will not harm the plastic or polymer based devices and yet is extremely effective and offers a broad spectrum of applications. One such time tested method of sterilization which is both low temperature and yet very effective is “Ethylene Oxide Sterilization”.

The healthcare and medical costs especially surgical costs are rising day by day. This is due to the fact that medical devices are very expensive. If these expensive devices were discarded after every surgery, the surgical costs would most likely triple. Hence expensive medical devices are re-sterilized and re-used. The reuse of medical devices however brings along with it the challenges of infection like Hepatitis and HIV being passed from first user to the second user and here our Ethylene Oxide Sterilizers are a life saver and a great help to the patients as they are capable of safely sterilizing medical devices and equipment which can then be used again.

We offer in our **Manual range of Ethylene Oxide Sterilizer**, Table top units which are used in small Hospitals and eye clinics. These units are operated manually and hence the onus of responsibility of safe use is on the user. A cartridge puncturing mechanism is provided outside chamber enclosure and the 100% E.O. gas cartridge has to be inserted in this mechanism only when the chamber is in vacuum and then punctured manually. The unit is provided with three manual control valves - one for Vacuum- one for Fresh Air / Vacuum Break and one for the Gas flow control. It's also provided with three indicating switches - one for Mains ON' one for Heater ON and one for Vacuum ON. A micro processor based digital temperature controller is also provided to accurately display and control the temperature of the chamber. A stainless steel tray is provided for loading the material for sterilization. An easily operable flat door with dual locking arrangement makes the use of this machine very user friendly and yet safe.

Model No.	Volume Appx.	Chamber Size H x W x D	100% E.O. Gas Qty.	Application
ME - 2CF	56 Ltrs.	12" x 12" x 24"	40gms	Suitable for Clinics & Small Hospitals-General Hospital Sterilization
ME - 2.6CF	72 Ltrs.	12" x 12" x 32"	40gms	Suitable for Clinics & Small Hospitals-General Hospital Sterilization



**AKSA INDUSTRIAL PROCESS CONTROLS PVT. LTD.**  
**(AN ISO 9001 : 2015 & ISO 13485 : 2016 CERTIFIED COMPANY)**

**Regd. Office**

G/D-1, Neelkanth Udyog Bhavan,  
 Sakinaka Junction, Sakinaka,  
 Andheri (East), Mumbai - 400 072.  
 Maharashtra, INDIA.  
 Website : [www.aksaster.com](http://www.aksaster.com)  
 Email : [info@aksaster.com](mailto:info@aksaster.com)

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**Service Point**