

MODEL EO SERIES SEL 120



Putting Right Products In Right Hands



We Care for Your
“EQUIPMENTS”

SEL SERIES TABLE TOP ETO STERILIZER



INTRODUCTION :

Sterility Equipments has reliable EO sterilizer that provides the latest technological advances in the industry. SEL sterilizer uses Ethylene oxide to sterilize heat and/or moisture sensitive devices.

"Sterility Equipments" Models Available in Semi Automatic / Fully Automatic

MODELS	SIZE IN FEET	CAP. IN LITER	CAPACITY IN CU/FT
SEL 50	1' X 1' X 2'	50 Ltr.	2 Cu/Ft
SEL 70	1 X 1 X 2.6'	70 Ltr.	2.6 Cu/Ft
SEL 85	1' X 1' X 3'	85 Ltr	3 Cu/Ft
SEL 100	1' X 1' X 4'	100 Ltr	4 Cu/Ft
SEL 120	1' X 1' X 4.6'	120 Ltr	4.6 Cu/F
SEL 135	1' X 1' X 5'	135 Ltr	5 Cu/Ft
SEL 245	1.5' X 1.5' X 4'	245 Ltr	9 Cu/Ft

SIZES CAN BE DESIGNED AND DEVELOPED AS PER CUSTOMER DEMAND

"Sterility" Ethylene Oxide is widely used in the medical industry to sterilize consumables or products which are heat and/or moisture sensitive. Ethylene oxide (ETO or EO) sterilization plays an important role in an effective healthcare infection control program because of its reliability and gentleness. Our system is specifically very suitable to sterilize all size Hospitals, CATH LABS, Medical Institutions, Eye specialists, Ortho specialists, General surgery centers, Gynaec care units, Cardio thoracic Surgeons, Interventional cardiologists, Plastic / Cosmetic surgeons, Neuro surgeons, research centers, speciality laboratories, Private Surgeons Nursing Homes, Day Care Centers.

ETO STERILIZATION PROCESS :

Most ETO sterilization lines involve three different stages. These can be separated into three different cells depending on the size or amount of devices to treat :

- PRE CONDITIONING
- STERILIZE
- DEGASSER / AERATION

When cells are separated, automated loading/unloading systems are required. These save operator time as well as keeps protected from exposure to a polluted environment, which could be detrimental to health.

FEATURES :

- Control system provides strict control of vacuum, chamber temperature, exposure / aeration time etc. To assure consistent, accurate performance.
- Screen on the control panel indicate specific phases during the operation.
- A leak test function takes a prevision of any leakage possibility and the sterilizer can be started only when the vacuum is completely drawn.
- Use individual gas canister of 100% ethylene oxide. It eliminates potential leakage from tanks or fittings.
- Negative chamber pressure ensures that gas cannot escape into operating area.
- Aeration system reduces the potential for operator exposure to EO.
- An effective air filter is used to prevent contaminated air from entering into the chamber.
- The construction of chamber and cabinet are made of high quality stainless steel for high performance of corrosive resistance against.
- Material of construction built for internal chamber is of SS 316 / SS 304.
- PLC - Display : 4"3' Color touch screen
- Automation Hardware: PLC (CE approved, CLASS 1 DIV2 Groups ABCD)

STERILIZER STAGE :

Due to nature of Ethylene Oxide our SEL sterilizer run whole cycle in negative pressure to avoid any direct human contact in case of leakage We design SEL series sterilizer with inside puncture of EO cartridge for safety purpose.

The sterilization phases are :

- Temperature achieving
- Preconditioning time
- Pre vacuum
- Pre Vacuum hold
- Leakage checking
- RH injection
- RH dwell
- RH Soak time
- EO gas injection/ EO cartridge puncture
- EO Exposure time
- Post vacuum
- Air dilution
- Post Vacuum
- Air dilution
- Aeration(min 3Hrs)

We provide online printing facility on small thermal printer along with time stamp to ensure cycle running successfully.

SAFETY DEVICES :

- Cycle does not start unless chamber is locked.
- High temperature deviation in chamber actuates audible alarm and protective device cuts off the heating source immediately.
- A leak test function takes a prevision of any leakage possibility and the sterilizer can be started only when the vacuum is completely drawn.
- RCCB protects control units when short circuit or overload occurs.
- Warranty: 24 months from the date of installation and commissioning has been done from our end.



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