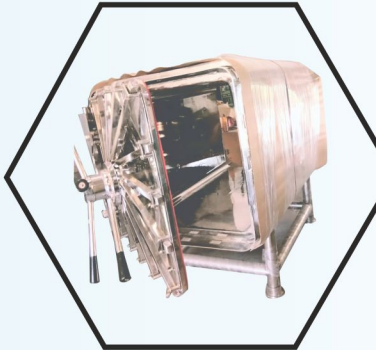




Salvesion

Salvesion Pharm

Ethylene Oxide Gas Steriliser



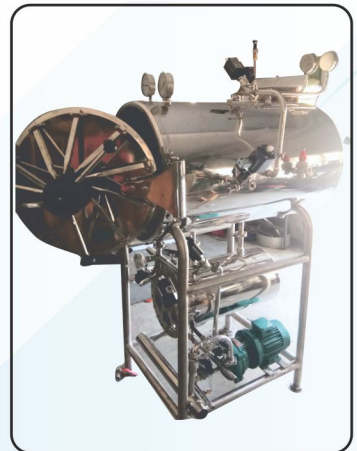
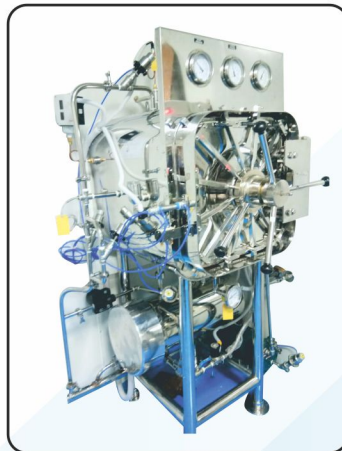
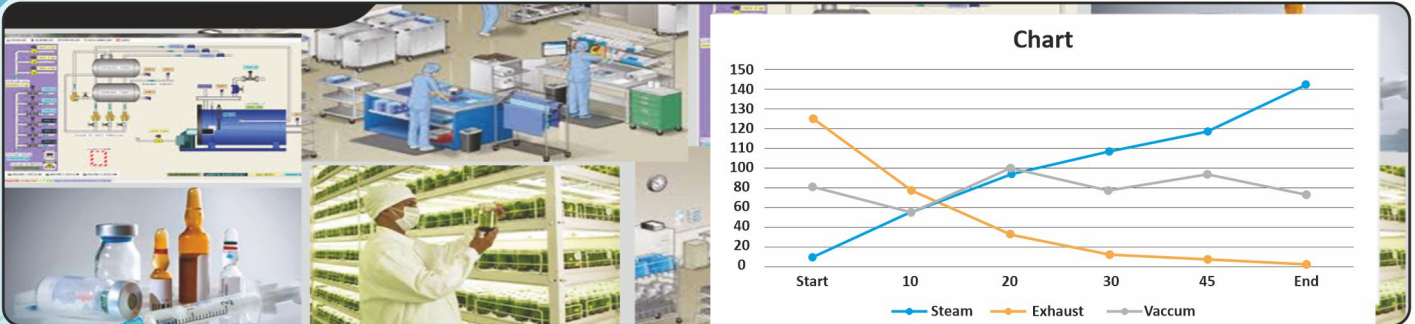
Rectangular Horizontal Sterilizers



Vertical Autoclave.



Cylindrical Horizontal Sterilizers



CYLINDRICAL, VERTICAL, RECTANGULAR, E.T.O. & STEAM STERILIZERS

Salvesion Pharm - Semi - Automatic Sterilisers For Medium Sized Health Care Facilities & Cardiac Centres.

Complete EO Sterilisation Soution:

(Salvesion Pharma) - has pioneered the concept the concept of Ethylene Oxide (EO) Sterilisation in India. The EO sterilisation method has overcome the problem of sterilising materials such as plastic, rubber, electrical & sensitive electronic equipment, which otherwise could not be sterilised by autoclaving and dry heating process, as these were susceptible to high temperature & moisture. EO Sterilisation has benefited medical device manufacturers, hospitals, pharmaceutical companies and helped them enhance the quality of their products service.



STANDARD CHAMBER DIMENSIONS

1	2 Cu. Ft	12 th (H) x 12 th (W) x 24 th (D)	300 x 300 x 600 mm
2	4 Cu. Ft	12 th (H) x 12 th (W) x 48 th (D)	300 x 300 x 1200 mm
3	5 Cu. Ft	15 th (H) x 18 th (W) x 36 th (D)	375 x 450 x 900 mm
4	8 Cu. Ft	18 th (H) x 18 th (W) x 42 th (D)	450 x 450 x 1050 mm

Ethylene Oxide Gas Sterilizers (Eto)

“ABF” Ethylene Oxide Gas Sterilizers have been specifically designed For sterilization of products sensitive to high temperatures and to humidity (Syringes, Defluxers, Catheters, Cartridges for Dialysis, Plastic articles, Bandages, Sutures, etc.). Such autoclaves can be used even for sterization of powders which deteriorate by heating exposure. For the wide range of product that can be treated, such serilizers find appicatio in Disposable Surgical Products, Para Pharmaceutical and Pharmaceutical Industry, Laboratories, Hospitals and Food Processing Industries.



“ABF” Steripro

Computerized System for Sterilizer : - High flexibility of control system mounted on autoclaves allows to Perform cycles, automatic control cycles (vacuum leak test pressure leak test) and cycles free programmable By it is possible to choose operating parameters (time, humidity, gas concentration etc.) according to type Load, packaging and product Placing inside the chmber. automated EtO Sterilizers.

Standerd Operating Value

Sterilization Time :

Usual gas exposure time is 3/4 hours. Sterilization time Dependson both type of Packaging and process parameters.

Product Temperature :

40/60 C set temperature value is non-stop holded by forced circulation of water inside the jacket and, optionally, inside the this system is very reliable with no risk of overheating and temperature differences by steam use

Product Humidity :

40/70 RH% Such value is obtained with sterilizer under vacuum condition to allow best conditioning of sterilization load.

Gas Concentration inside the sterilizer :

Variable on the basis of used gas mixture and operating pressure.

**CYLINDRICAL
HORIZONTAL AUTOCLAVES**

**RECTANGULAR
HORIZONTAL AUTOCLAVES**

Chamber Width (inch/mm)	Chamber Depth (inch/mm)	Chamber Volume (Liters Appx)	Chamber Width (B) (inch/mm)	Chamber Height (H) (inch/mm)	Chamber Depth (L) (inch/mm)	Chamber Volume (Liters Appx.)
16 / 405	24 / 610	80	24 / 610	24 / 610	48 / 1220	432
20 / 510	36 / 915	146	24 / 610	36 / 915	60 / 1525	810
20 / 510	48 / 1220	194	36 / 915	36 / 915	48 / 1220	972
24 / 610	48 / 1220	356	36 / 915	48 / 1220	48 / 1220	1296

Note : In addition to the above various special sizes are also manufactured as per the customer requirement. Table top ETO, Vertical, Bulk, Horizontal cylindrical models with double door are available.

Materials used in our autoclaves construction.

- Chamber & Jacket 304 stainless steel grade.
- Positive self locking mild steel door with 304 SS hinge.
- Boiler body complete 304 stainless steel grade.
- Gun metal plated multiport control valve. (Manual models only).
- Analog - pressure, Compound and temperature gauges.
- Complete autoclave mounted on mild steel tubular frame with ground leveling flanges.
- Sterilizing temperature setting at 121/134 °C as required by the customers.
- ISI marked heaters used.
- Pneumatically actuated solenoid valves or direct acting solenoid valves used in auto-mated system as per customers requirement.
- Control panel with touch screen HMI & optional semi controls including storage of cycle reports and graph.
- Water base/Oil base vacuum pump in auto models.

Safety features in our autoclaves.

- All autoclaves hydrostatically tested twice the working pressure.
- 2 spring loaded safety valves.
- Pressure control switch-to avoid accidental access pressure buildup.
- Float switch for boiler low water level cut-off and for heater protection.
- Float switch for boiler low water level cut-off and for heater protection.
- Pressure lock device for the door. To avoid accidental opening of door under pressure.
- Plug screen in steam drain line. To avoid blockage of steam drain line.

Safety features in our autoclaves.

- Chamber & Jacket 316 stainless steel grade.
- Complete door 304/316 stainless steel grade.
- Complete stand 304/316 stainless steel grade.
- Digital temperature meter (manual models).
- Water base/Oil base vacuum pump for high vacuum (manual models).
- Combination of ETO designed with steam sterilizer.

1. Pre Vacuum Phase

4. Gas Inlet Phase

7. Air Wash Phase

2. Vacuum Hold Phase

5. Gas Exhaust Phase

8. Cycle Over

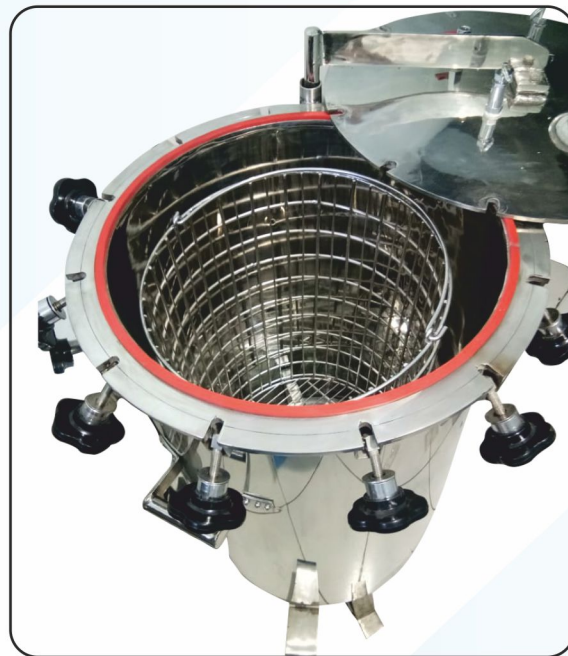
3. RH Injecion and RH Hold Phase

6. Gas Exhaust Phase

Vertical Autoclave.

- Automatic vertical autoclave designed for medical clinical, bacteriological, research laboratories, pharmaceuticals, fertilizer plants etc.
- Specifications :
- Single wall, double wall, triplax wall models available.
- Chamber internal walls & outer cover made from high grade stainless steel materials.
- Machine designed with pressure gauge, steam release valve, safety valves.
- Basket supplied with instrument as per design.
- Plc based control for temperature, timer, etc.
- Low water cut off to safeguard heater.
- Jointless silicon to make chamber leak proof.

Size In MM	Cap in LTR	Rating K.W. Watts	No. of Drums	Model
250 x 450 MM	22	2	-----	BIVSS-2
300 x 450 MM	35	2	2(9" x 11")	BIVSS-3
350 x 550 MM	52	3	2(9" x 11")	BIVSS-5
450 x 600 MM	95	2+2	2(12" x 11")	BIVSS-9
550 x 750 MM	175	3+2	2(12" x 15")	BIVSS-17
550 x 900 MM	200	3+3	-----	BIVSS-20



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