



ELECTRONICS SYSTEMS
(Division of Electronics Instrumentation & Lab Equipments)

HIGH PRESSURE AUTOCLAVE (DOUBLE DOOR)

MATERIAL OF CONSTRUCTION : STANDARD MODEL

- 1) Chamber -SS 304 6mm thk
- 2) Jacket -MS Boiler quality 10mm thk
- 3) Outer Cover / - 304 1 mm thickness.
- 4) Stand - -MS 14 swg round pipe.
- 5) Locking Rod -MS Chrome Plated.
- 6) Door - SS 304 in 12 mm Thickness.

Working size : as per customer requirement

SIELANT FEATURES.:

Working Pressure : 1.2KG

Working Temperature : 121 °C for quick & perfect sterilization.

Hydro test Pressure : Jacket 4.4kgf/ cm²g

Chamber -- 3.3kgf/ cm²g

Steam Exhaust from Chamber : 2 minute only

Sterilization period : 15 to 20 minutes maintaining above pressure and Temperature in chamber.

DETAILED CONTROLS & FITTINGS.

Multi port valve : To carry out all functions of sterilization cycle at One point, i.e. steam to jacket, steam chamber. From Jacket, fast/ slow exhaust & vacuum/ drying.

Door (Radial Arm Door): Shall be fitted with radial arms & automatic Pressure locking device so that the door cannot be opened till pressure is fully exhausted from the chamber.

Quick Vacuum drying - : This allows the filtered and sterilized air to break the Apparatus chamber vacuum which helps in quick drying.

Accidental Vacuum breaker / : A safety device for Jacket against accidental vacuum and Jacket air valve for automatic air removal.

Safety valve : A safety device against excess pressure in jacket/ steam Generator.

Chamber temperature gauge : Provided a dial type thermometer at front in discharge line to indicate sterilization temperature.

Pressure gauge : To Indicate steam pressure in Jacket & boiler.

Compound gauge : To Indicate steam pressure and vacuum in chamber.

Drain line : Connected with out let S.S. funnel junction and water trap Arrangement to avoid air contamination.

Steam generator : Shall be attached to underneath the Jacket. It shall be Fitted with:

1. Water immersion type industrial heating elements.(I.S.I. MARKED)
2. A magnetic automatic water level switches to protect heaters.
3. Water level indicating gauge glass tube with S.S. guard.
4. Water inlet & outlet valves. (N.R. type)
5. Automatic pressure stat switch to control the boiler Jacket pressure.

Digital Temp. Controller : To show set temp/set time/ actual temp/Auto Sterilization and buzzer alarm after completion of cycle.

Electrical Control box : Equipped with Heavy duty Air break contactor Heaters ON-OFF and process toggle switch indicating lamps.

OPTIONALS:

- With S.S. Loading Carriage & M.S. Transfer trolley
- With printer for online data recording.

APPLICATIONS

1. PHARMA
2. BIOLOGICAL SAFETY
3. RESEARCH INSTITUTES
4. UNIVERCITIES
5. AGRICULTURAL AND HORTICULTURAL LABS IN COLLEGES.
6. HOSPITALS

