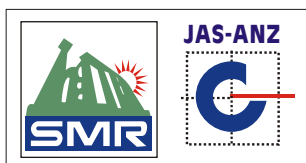




Horizontal Autoclave (Cylindrical)



An ISO 9001:2000 Company

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Construction :

The unit has outer chamber, inner Chamber, Boiler, Lid and Jacket - all made of AISI 304 grade stainless Steel. For controlling sterilization cycle, a three way valve or a multiport valve - made of S.S. is provided. The unit have a very efficient ms radial locking arrangement, fitted on ms ring, duly chrome plated. It is supplied complete with vacuum breaker, water level indicator, steam trap and automatic pressure control switch. The whole unit is mounted on a robust tubular ms stand. Operatable on single / three phase, 220/440 Volts, 50Hz A.C. supply.

Mode of Heating :

Electrically heated by special flange type/immersion type heaters bearing ISI mark, to work on single / three phase, 220/440 Volts, 50Hz A.C. Supply.

Working Pressure:

The pressure inside the chamber is variable from 5 psi. to 20 psi. But the normal recommended pressure for sterilization process is 1.2 Kgf /cm² (15 psi)

Working Temperature : 121° C **Working Pressure :** 1.26 Kgf /cm² (15psi) **Hydro test Pressure :** 2.5 Kgf /cm² (35 psi)

Working Chamber:

Diameter (mm)	X	Depth (mm)	Volume (Ltrs.)	Load (KW)
400	X	600	78	6
500	X	900	135	10
550	X	750	152	9
400	X	1100	162	12
500	X	1200	185	12
600	X	1200	300	18
750	X	1200	525	18

Note: Special sizes can be fabricated as per the customer's requirement.

Standard Controls :

- Multiple Operating (three way) Valve : To carry out all functions of sterilization cycle at one point i.e. steam to jacket, steam to chamber, exhaust and drying.
- Door : Single door shall be fitted with radical shooting arm, provided with automatic pressure locking device so that the door can not be opened till chamber pressure is fully exhausted.
- Quick Vacuum Drying Apparatus : This Allows the filtered and sterilized air to break the chamber vacuum & helps in quick-drying.
- Accidental Vacuum Breaker : A safety device so jacket against accidental vacuum in it and to remove residual air from it.
- Safety Valve : A safety device against excess pressure in jacket and steam generator.
- Dial Type Thermometer : Indicates sterilization temperature.
- Plug Screen : A device to prevent chamber, discharge line from lint / sediment.
- Chamber Condensate Line : Incorporated with spirax thermostatic steam trap and check valve for perfect condensation from chamber to achieve optimum temperature.
- Pressure & Compound Gauge : Indicates jacket and chamber pressure resp.
- Steam Generator (Boiler) : **Shall be attached underneath the jacket. It shall be fitted with -**
 1. ISI marked water immersion type industrial heating elements.
 2. An automatic water level cut off device.
 3. Water inlet & outlet valves.
 4. Water level indicating gauge glass with metal guard.
 5. Automatic pressurestat switch to control the boiler/jacket pressure.

Optional Accessories (Basic):

Automatic pressure control switch, automatic low water cut off device, mechanical timer with alarm system, temperature indicator (Digital/analog), temperature chart recorders

Optional Accessories (Advanced):

Microprocessor based temperature/pressure controller cum indicator with pressure transmitters, complete automatic operation through advanced PLC system, data control and acquisition systems with remote location operation facility, user friendly software packages for various reporting and analytical application

Universal Data Recorder & Processor Chart Recorder Microprocessor Based Controllers

Our Local Distributors

Note : We also manufacture fully Automatic PLC Based Sterilizers with Data Acquisition Systems with Customized Reporting & Validation Software.