

HIGH PRESSURE HORIZONTAL STERILIZER / AUTOCLAVE



MODEL : MA - 10H

TECHNICAL SPECIFICATIONS

Construction : Triple walled with steam jacket and separate boiler.

Inner chamber and steam jacket are made up of Heavy gauge S.S. 304 Sheet with leak proof argon-arc welding. The sterilizer has single piece S.S 304 Door. All the sterilizers are hydraulically tested to withstand 2.5 times the working pressure. Mounted on tubular steel frame with ground leveling screwed flanges. The Outer jacket is wrapped with asbestos sheet or glass wool to minimize the heat losses and is covered by polished Stainless steel sheet for that elegant appearance.

Steam Generator : Made of heavy Stainless Steel 304. Heavy ring mounted in front of the boiler with water gauge glass for water level indication Fitted with flange type S.S heating elements and low water level cutoff device Fitted with water inlet and outlet valves.

Pressure Control : The "PIEZOSTAT" (Pressure Control device) is incorporated in all electrically operated sterilizer. It economizes on power consumption and reduces the frequent opening of the steam release

Heating Elements : Flanged type, immersion heating elements are made of high grade material.

Safety Door : Sterilizer has hinged radial-locking door and cannot be opened when under pressure.

Single Point Control : Complete sterilizing cycle is controlled from one point with the help of "Multiport Valve" fitted at front top. Two speeds of steam exhaust are available; fast and slow. Easily readable jacket and chamber pressure on gauges mounted on the multi port valve. A moisture trap is fitted in the chamber discharge line to absorb the condensate automatically to prevent moistening of the subject matter to be sterilized.

OTHER FEATURES :

- Triple Safety : the Sterilizer is provided with the triple safety features. At the boiler level by a PIEZOSTAT which automatically limits the pressure to the required set value and a spring loaded safety valve in case of its failure which releases the steam to keep pressure within the safety limits. At the chamber level, a spring loaded safety valve to release the steam in case the pressure exceeds the safety limit. All these safety features function independent of one another and sequentially i.e. one takes over the charge in case of other's failure.
- A plug screen prevents the discharge line from choking. The plug is easily removable for daily cleaning.
- A Dial thermometer / Digital Temp. Indicator is provided to show the chamber temperature.
- Vacuum breaker is provided to break vacuum in case of formation of vacuum due to steam Condensation.

OPERATING TEMPERATURE :

Sterilizing temp. : 121°C / 134°C
 Sterilizing Pressure : 1.2 to 1.5 kg / cm² (15psi to 22psi)
 Power Requirement : Suitable to operate on 415 V volts. 3ph, 50Hz, AC supply.



MODEL : MA-10H

FULLY AUTOMATIC HORIZONTAL STERILIZER / AUTOCLAVE

MODEL : MA - 10H (FA)

TECHNICAL SPECIFICATIONS

The construction of Autoclave is similar to Horizontal model Autoclaves (MA-10H), BUT FITTED WITH Microprocessor based temp. controller which enables automatic purging of cold air, sterilizing hold time and cycle end with automatic exhaust of pressure. All steps are user settable. The cycle is completed without any human intervention. Also fitted with low water level arrangement, solenoid valves and other accessories as standard feature. Suitable to operate on 415V, 3phase AC supply.

RECTANGULAR HORIZONTAL STERILIZER

CAPACITY	LENGTH (mm)	HEIGHT (mm)	DEPTH (mm)
291l/row	561	561	: 11
336l/row	611	611	: 11
411l/row	611	611	2311
651l/row	771	771	2361
: 83l/row	: 11	: 11	2311
2326l/row	: 11	: 11	2611

CYLINDRICAL HORIZONTAL STERILIZER

CAPACITY	DIA (mm)	DEPTH (mm)
86l/row	511	711
261l/row	511	2211
286l/row	611	: 11
291l/row	661	861
351l/row	611	2311
396l/row	661	2311



MODEL : MA-10H (FA)

OPTIONAL ATTACHMENT AT EXTRA COST :

1. SS 316/304 Loading / Unloading Trolley Carriage.
2. Steel (Power Coated) Tubular Transfer trolley for carriage.
3. Double Door System.
4. Chamber Inside, Outside, Jacket & Door of Stainless Steel 316 instead 304.
5. Water Ring Vacuum Pump to create vacuum of 24 inch Hg (at30°C).
6. High pressure feed water pump, for automatic filling of water into steam generator under pressure.