

Horizontal Rectangular High Pressure Autoclave

- Gasket: made of joint less silicon rubber.
- Exhaust pressure: manual through the exhaust valve.
- Sterilizing pressure: 1.2 to 1.5 kgf/cm² (15 to 20 psi) at 121C.
- Operating pressure: from 15 psi to 20 psi.
- Pressure gauge: 0.2.1 kgf/cm² (30 psi).
- Tubular stand and supporting ring: made of mild steel or stainless steel.
- Pressure Vessel= SS 304 Grade Stainless Steel.
- External Wall=SS 304 Grade Stainless Steel.
- Top Lid=SS 304 Grade Stainless Steel.
- Basket= SS 304 Grade Stainless Steel.

INCLUDING:

- Automatic pressure cut off switch.
- Digital temperature indicator cum. controller Vacuum breaker.
- Water level indicator
- Automatic self locking system.
- Automatic low water cut off switch.
- Moisture trap.



About:

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- The inner/outer chamber, steam jacket and boiler are made of heavy gauge SS with leak proof argon arc welding.
- The space between the outer chamber and steam jacket is filled with glass wool to minimize thermal losses.
- Hydraulically tested to withstand 2.5 times the working pressure.
- Steam boiler is fitted with water level indicator, pressure gauge, low water cut off device and automatic pressure control devices. Fitted with safety valve as a safety device.
- Drain valve is fitted at the side bottom for easy draining/clearing.
- This affords a complete safety to the working personnel against explosive opening.
- Two separate valves are provided for evacuating steam from inner chamber and jacket as and when desired.
- Sterilization cycle is controlled by single point multiport valve.
- The chamber discharge line is fitted with a moisture trap to absorb the condensate automatically thus preventing moistening of the loaded material to be sterilized.
- An automatic vacuum breaker is fitted to all units as a standard accessory in order to break vacuum in case of steam condensation.
- The flanged immersion type heating element made from a very high grade material provide fast formation of pressure in the system and are protected through a electric low water level cut off device.
- All sterilizers are provided with triple safety features through a “Piezostate” (automatic pressure control system) and a spring loaded safety valve fitted to the boiler /steam generator.
- The chamber is fitted with spring loaded safety valve and a dead weight release valve.
- To work on 220/230 or 440 volts, 3 phase, 50 Hz AC supply.

Technical Specification of Horizontal Rectangular High Pressure Autoclave



Dimention (inch)	18X18X36	18X24X36	24X24X30	24X24X48	36X36X60	36X36X72
Inner Dimension	450x450x900	450x600x900	600x600x900	600x600x1200	900x900x1500	900x900x1800
Capacity	180 liters	240 liters	320 liters	430 liter	1300 liter	1500 liters
Heater Load	12 KW	18 KW	18 KW	18 KW	36 KW	48 KW

OPTIONAL:

- Fully automatic PID purging system
- Fully automatic system with HMI PLC based autoclave with data logger digital pressure indicator cum controller, digital temperature controlled system can be installed on order.
- Multiport Valve

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