

HORIZONTAL RECTANGULAR HIGH PRESSURE AUTOCLAVE

TAI 907

- The inner/outer 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.
- 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 when desired.
- 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.
- The flanged immersion type heating element made from a very high grade material which provides fast formation of pressure in the system and are protected through an electric device.
- All sterilizers are provided with triple safety features through "Piezo state" and a spring – loaded safety valve fitted to the boiler/steam generator.
- The chamber is fitted with spring loaded safety valve and dead weight release valve.
- Works on 220/230 or 440 volts, 3 phase, 50 Hz AC supply.

SALIENT FEATURES

- 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
- Multiport Valve

OPTIONAL - FULLY AUTOMATIC

- PID purging system
- HMI & PLC based controller with data logger, digital pressure controller, digital temperature controlled system
- Double Door
- PRINTER: Thermal Printer
- Vacuum Pump
- Custom software can be installed

TECHNICAL SPECIFICATION

GASKET	: Made of joint less silicon rubber
EXHAUST PRESSURE	: Manually through the exhaust valve, sterilizing pressure: 1.2 to 2.5kgf/cm ² (15 to 35 Psi) at 121°C to 134°C
WORKING PRESSURE	: From 15 psi to 35 psi
PRESSURE GAUGE	: 0.2.1 kgf/cm ² (60 psi)
TUBULAR STAND AND	: SS 304 Grade Stainless Steel
SUPPORTING RING	: SS 304 Grade Stainless Steel
PRESSURE GAUGE	: SS 304 Grade stainless Steel
EXTERNAL WALL	: SS 304 Grade Stainless Steel
TOP LID	: SS 304 Grade Stainless Steel
TRAY	: SS 304 Grade Stainless Steel

DIMENSION INCH	DIMENSION (MM)	CAPACITY	LOAD
18X18X36	450X450X900	180 Liter	12 KW
18X24X36	450X600X900	240 Liter	18 KW
24X24X30	600X600X900	320 Liter	18 KW
24X24X48	600X600X1200	430 Liter	18 KW
36X36X60	900X900X1500	1215 Liter	36 KW
36X36X72	900X900X1800	1530 Liter	48 KW

