

# HORIZONTAL RECTANGULAR OUTER SQUARE BODY AUTOCLAVE

## TAI 907 - A

- 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, 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 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 a 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
- PID purging system

## OPTIONAL - FULLY AUTOMATIC

- 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 <sup>2</sup> (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 <sup>2</sup> (60 psi)                                                                                       |
| TUBULAR STAND    | : 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                                                                                             |
| BASKET           | : High 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 |

