



**SUN STERI & MEDI CARE  
ASSOCIATE**



## **VERTICAL CYLINDRICAL STEAM STERILIZER (AUTOMATIC)**

**Application:** For use in Microbiology, QC & Research laboratories, Pharmaceutical Industry etc.

Electrically operated single / double / triple chamber Autoclave (steam) Unit.

- Sterilization media is steam created by heating water
- Total Container Pressure Capacity: 0 -30 PSI

## TECHNICAL SPECIFICATION

- 1) Vertical Double/Triple wall design has double chamber for steam and water.
- 2) Working chamber made of Stainless Steel 304/ 316 grade of 3 mm thickness. The Bottom of the Chamber too is fabricated from SS 304/ 316 grade.
- 3) Outer cover made of stainless steel 1 mm thick
- 4) Lid, flange & bottom sheet also made of stainless steel. All joints are argon welded.
- 5) Food grade silicon gasket, heavy duty industrial heater
- 6) Working Pressure range: 15 to 22 PSI at Gauge. Surgical instruments, Dressing material, injection liquid, linen by means of steam under pressure of 15-22 PSI (Adjustable)
- 7) Pressure gauge 0-30 PSI mounted on Lid, Safety valve & Steam release valve. Pressure Gauge 0 – 2 Bar.
- 8) Hydro static test of chamber at 60 PSI- G
- 9) Lid Operation: Manually Hand lifting knob type. Foot lifting arrangement to open door. ( Available for above 18" Dia .)
- 10) Electrical: 230 V/ 32A / 50Hz Electrical Load (Single Phase)
- 11) Temperature Control: Microprocessor based digital display
- 12) Temperature Sensor: PT – 100    Temperature Range: 121° C to 125° C
- 13) Temperature resolution: 0.1° C. Temperature Accuracy:  $\pm 0.5^{\circ}$  C
- 14) Our Autoclave made is of lid and container with Wing nuts closing systems / Radial Locking Arm System. Wing Nut - The Wing nut are fabricated/casted from SS and a Bakelite knob is fitted on top for easy operation and operator safety Or / Radial Locking Arm System GI casting black painted. Door and Joints are made from SS material.
- 15) LID Handle: Handle with attached stainless steel stud and insert molded Bakelite material.
- 16) Pressure Gauge Dia Size: 51 mm / As per Autoclave Size.
- 17) Lifting Handle - Two handles are given On both sides of the metal ring. They are sturdy and can be used to lift the whole autoclave even when it is hot.
- 18) Accessories - Stainless steel crafted Stand is provided for placing the inner basket in a manner where the material does not touch the water filled in the chamber.
- 19) Electrically operated solenoid valves, etc. Auto Exhaust Facility. Digital Screen Display.
- 20) Data Record & Print facility Available. Adjustable Time in 1 Min. to 99 Minutes.
- 21). Automatic phases handled Chamber Steam controlling, temp maintaining, sterilization time Holding, Auto-Exhaust, Cycle end.

## SAFETY FEATURERS:

- 1) Safety valve for chamber.
- 2) Automatic purging system. (Option is available for Fully Automatic model only)
- 3) Water Level Controller System for Heater protection.
- 4) Electronic safety system for MICROPROCESSOR BASED CONTROLLER AND WLC.
- 4) Separate Ball Valves for water Inlet & Drainage.
- 6) Dial type Pressure Gauge to indicate pressure in the Chamber.
- 7) Pressure Release valve to release excess pressure from chamber.
- 8) Audio visual Alarm system after completion of cycle.
- 9) Gauge glass facility for water visibility from outside.



## Vertical Autoclave – (Automatic) Chamber Size & Capacity:

Chamber Dia x Height in mm	Chamber Dia x height in Inch	Capacity in Liter	Heater Load in Kw
300 x 450 in mm	12" x 18"	32 Ltr	2 Kw
350 x 500 in mm	14" x 20"	50 Ltr	3 Kw
400 x 600 in mm	16" x 24"	75 Ltr	4 Kw
450 x 650 in mm	18" x 26"	100 Ltr	4 Kw
450 x 750 in mm	18" x 30"	125 Ltr	6 Kw
500 x 750 in mm	20" x 30"	150 Ltr	6 Kw
550 x 750 in mm	22" x 30"	175 Ltr	6 Kw

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