HORIZONTAL CYLINDRICAL
H.P. STEAM STERILIZER
FULLY AUTOMATIC WITH LCD DISPLAY

MSW-104(FAD)

MAC

CONSTRUCTIONAL FEATURES

MOC (Inner Chamber)	SS-304
MOC (Jacket)	SS-304
MOC (Outer Cover)	SS-304
MOC (Door & Ring)	SS-304
Door Type /Locking	Single Radial Type Locking Door
Door Gasket	Silicon
MOC (Stand)	Heavy duty all SS Frame – 304
MOC (Control Panel)	Heavy duty SS-304

AUTOMATION & CONTROL

Self-Locking Safety Door	Under pressure and heat resistant SILICON door gasket.
Water Level Gauge Glass	Show water level with SENSOR
Safety Valves	Spring loaded valve in jacket for over pressure protection Weight safety valve in jacket for over pressure protection
Pressure Switch	For Pressure cut off & low power consumption
Low Water Cut Off	To protect electric heaters (Safety For Heating Element)
Earth Safety System	For safety of operator and machine (Safety For Human Life)
Steam Deflector	For better vacuum and dryness
Air Vent / Steam Trap	Moisture trap
Pressure Gauge	To indicate steam pressure of jacket
Compound Gauge	To indicate chamber steam pressure and vacuum
Alarm System	Process completion buzzer system
Display	Steam pressure/ temp.
Insulation	High heat proof miniral wool
Working Cycle	1 - Standard Speed Working Pressure (121°C) 2- High Speed Working Pressure (134°C) (1.2 kg) to (2 .5 kg)
Operating System (For Manual)	Multiport Valve (Pre Vacuum, Sterilizer, Fast Exhaust, Vacuum)
Additional Accessories	Water Level Gauge Glass
Working Temperature	121°C / 134°C
Working Pressure	25 Lbs To 32 Lbs

FULLY AUTOMATIC DIGITAL MODEL

Model	#HCSS-80(PROFAD)	#HCSS-162(PROFAD)	#HCSS-165(PROFAD)	#HCSS-250(PROFAD)
Chamber Size	400x600 mm	400x1100 mm	500x900 mm	500x1200 mm
Capacity	80 Ltrs.	162 Ltrs.	165 Ltrs.	250 Ltrs.
Electric Load	6.0 KW	9.0 KW	9.0 KW	9.0 KW
Controller	Microprocessor Based Fully Automatic Fuzzy Logic Control System with Alphanumeric Digital backlit LCD display with Set Value (SV) and Process Value (PV)			
Timer (Auto Time Control) & Buzzer	Fitted with AUTOMATIC DIGITAL MINUTE TIMER which starts automatically when set/desired value of temperature is achieved. When the set time period is over the heaters get switched off automatically with alarm for cycle end			
Other Features	µProcessor based Controller with time and temperature programmable by user. Class 'A' Platinum (Pt-100) sensor, enabling precise and accurate monitoring. Low water level alarm and cut off for safety of heater. Sensor open alarm and display. End of cycle buzzer to alert the user and auto reset. Solenoid Valve for automatic purging and exhaust (user settable).			

OPTIONS

a)   Automatic water feed system can be incorporated in the boiler, so that at higher level it switched off the water pump and restart it at lower level automatically.

b)   Vacuum pulsing through a closed coupled water ring high vacuum pump for creating forced vacuum and fast drying process.

c)   TFT Touch Screen Display Controller in lieu of LED / LCD Controller.

d)   Printer Port (Dot Matrix) with data logger and USB Port for taking data (Paperless Data Recording) and Saving ON PC. (Dot Matrix Printer to customer scope)

e)   Double Door to cost extra.