

# HORIZONTAL CYLINDRICAL AUTOCLAVE (SEMI AUTOMATIC) (DOUBLE WALLED) MSW-103(SAD)

**MAC**

## APPLICATIONS

- ◆ "MAC" Horizontal Double Walled Autoclaves are most ideal for critical applications requiring assured and reliable total destruction of all living micro-organisms.
- ◆ An ideal tool for Laboratories, hospitals, nursing homes, R & D labs etc.

## CONSTRUCTIONAL & SALIENT FEATURES

- ◆ Double walled unit horizontally mounted on a sturdy, heavy M.S. duly painted.
- ◆ Both inner chamber and outer wall made of S.S.
- ◆ Pressure is adjustable from 10-20 psi.
- ◆ Fitted with pressure gauge, safety valve and steam release valve.
- ◆ Available with separate boiler.
- ◆ For units fitted with S.S. Boiler, separate valves for injecting the steam into the main chamber and releasing the steam in atmosphere after use are provided.
- ◆ Automatic Vacuum Breaker is provided to break the vacuum in case of formation of vacuum due to steam condensation.

## CONTROL PANEL AND SWITCHGEARS

- ◆ Automatic Low Water Level Cut-Off Device fitted for general safety of the element.
- ◆ Fitted with Automatic Pressure Control Switch.
- ◆ Fitted with dial thermometer to indicate the inner chamber temperature.
- ◆ Lid is made of thick machined stainless steel plate.
- ◆ Supplied without jacket (Double walled chamber with separate boiler).
- ◆ Industrial grade energy efficient heaters reduce power bills drastically.



Jointless Silicon  
Rubber Gasket

# Images for reference purpose only, may change according to model & size

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## TECHNICAL SPECIFICATIONS & ORDERING INFORMATION

MODEL	#HCA-88(SAD)	#HCA-162(SAD)	#HCA-165(SAD)	#HCA-221(SAD)
Inner Dimensions (Dia x Height)	400x600mm	400x1100mm	500x900mm	500x1200mm
Capacity	88 ltrs	162 ltrs	165 ltrs	221 ltrs
Heater Load	6.0 KW	9.0 KW	9.0 KW	9.0 KW
Controller	Semi Automatic Digital Temperature Indicator-Cum-Controller			
Timer (Auto Time Control)	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.			
Display	A separate temperature indicator is provided			
Exhaust of Pressure	Automatic through a manual exhaust valve			
Sterilizing Pressure	1.2 kgf/cm <sup>2</sup> (15 psi) at 121°C			
Operating Pressure	From 15 Psi to 22 Psi (adjustable)			
MOC (Pressure Vessel)	Stainless Steel (SS-304)			
MOC (Boiler)	Stainless Steel (SS-304)			
MOC (External Wall)	Stainless Steel (SS-304)			
MOC (Top Lid)	Thick machined stainless steel plate			
Tubular Stand and Support Ring	Made of Mild Steel			
Power Supply	220/230V AC, 50/60Hz or 430/440 Volts, 3 Phase Supply			
Gasket	Made of Jointless Silicon Rubber			

## OPTIONS

- 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.
- Vacuum pulsing through a closed coupled water ring high vacuum pump for creating forced vacuum and fast drying process.
- TFT Touch Screen Display Controller in lieu of LED /LCD Controller.
- 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)
- Double Door to cost extra.

**MAC**

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