

HORIZONTAL CYLINDRICAL AUTOCLAVE (DOUBLE WALLED) FULLY AUTOMATIC MSW-103(FAD)

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.
- ◆ Solenoid valve for automatic purging and exhaust (user settable)
- ◆ 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 (FAD)	#HCA-100 (FAD)	#HCA-135 (FAD)	#HCA-165 (FAD)	#HCA-200 (FAD)	#HCA-250 (FAD)	#HCA-300 (FAD)
Capacity	88 ltrs	100 ltrs	135 ltrs	165 ltrs	200 ltrs	250 ltrs	300 ltrs
Heater Load	9.0 KW	9.0 KW	9.0 KW	9.0 KW	9.0 KW	12.0 KW	12.0 KW
Controller	Microprocessor based Fully Automatic Fuzzy Logic Control system with timer buzzer (AUTO TIME CONTROL). It is fitted with low water cut-off for general safety of heating element. Available with automatic purging facility and exhaust valve. With scaled Digital Pressure Indicator displayed directly on the main control panel						
Display	A separate temperature indicator is provided						
Exhaust of Pressure	Automatic through a manual exhaust valve						
Sterilizing Pressure	1.2 kgf/cm ² (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.



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