

# 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-162(FAD) | #HCA-165(FAD) | #HCA-221(FAD) |
|---------------------------------|--|---------------|---------------|---------------|
| 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                      | 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 <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.

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