

MEHROTRA   
**Biotech**

**AUTOMATIC**

**VERTICAL AUTOCLAVE**





## INTRODUCING VERTICAL AUTOCLAVE

At Mehrotra Biotech, we are specialized in design & manufacturing of standardized as well as customized models specially designed to meet the challenging demands of scientists, doctors and specialized research applications. Over a short period of time Mehrotra Biotech has been established as a reliable manufacturer of vertical autoclave in India. We are supplying our Autoclave catering to variety of customers ranging from research laboratories, hospitals, educational institutions and various R&D laboratories of leading national and multinational companies.

## CONSTRUCTION

The Vertical Autoclave is specifically made for the sterilization of medical and surgical solid instruments in dental, medical and veterinary clinics, first aid rooms, laboratories etc. The solid build outer body of the autoclave is stable and rigid on its own.

The inner chamber is electrically & thermally insulated with the body to protect the user for any risk of shock or heat. The Autoclave is electrically heated using steam as the sterilizing agent. A computerized control unit ensuring a fully automatic sterilization cycle and precise control and monitoring of physical parameters and a clear documentation of the sterilization cycle controls the autoclave.

The control system provides adequate protection, to ensure the safety of personnel and reliable operation with a minimum of shut down time.

This Autoclave is equipped with a safety pressure gauge that is used as a guide only. Should there be a power failure during the operation of the autoclave, the pressure gauge indicates to the operator that there is pressure in the chamber.

# SALIENT FEATURES

- Strong **metal frame body** with Stainless Steel Chamber
- **Stainless steel** constructed **radial safety lock** arrangement
- Easy to **slide open & close lid operation**
- **Auto cut-off Safety valve**
- Automatic **sterilization cycle control & monitoring**
- **Auto Pressure release** after cycle completion
- Low **water level indicator** alarm and cutoff
- High Accuracy **pressure and temperature gauge**.
- **Microprocessor based digital controller** with **intuitive touch Full colour display**.
- Body mounted **digital Current & Voltage meter**.
- **Insulated boiler** chamber & outer body.
- **Over Temperature protection** by auto cut-off feature
- Quick **USB data import feature**.

# TECHNICAL SPECIFICATIONS

Model	VA40	VA60	VA80	VA120	VA150	VA180
Ext Dim (LXWXH)	22x35x36 in	31x32x48 in	31x32x48 in	31x32x54 in	40x32x54 in	40x32x54 in
Material	AISI 304 SS Chamber & MS POWDER COATED OUTER FRAME BODY					
Chamber Dim (DxH)	12 x 20 inch	16 x 20inch	16 x 28 inch	16 x 29 inch	20 x 24in	22 x 28in
Volume	40L	60L	90L	120L	150L	180L
Temp Range	121°C					
Max. Pressure	15psi					
Power Cons.	2KW	3.0KW	3.0 KW	4KW	6KW	6KW
Controller	PID/ON-OFF digital controller or Full Color TFT display with data logger					
Safety Devices	Dial Type Pressure Gauge Auto Cut-off Pressure valve Low water alarm Voltage meter Auto Pressure release sensor.					
Temp. Sensor	PT100					

# ACCESSORIES

- Stainless steel basket with bottom stand
  - Drain Valve (Pre Installed)
  - Power Cord
  - **OPTIONAL** : Automatic purging system through solenoid valve with automatic steam release after sterilization.
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