

# Autoclave - Regular Top Loading

## Introduction:

GENESIS offers a range of autoclave - regular top loading, which are used for sterilizing the steam. Fabricated using qualitative stainless steel and others, our autoclave is known for its durability and superior performance. Available in the following sizes and capacities, we can also provide tailor autoclave as per requirements.

## Applications:

- Genesis Preset Semi-Automatic Digital Autoclaves are ideal for all applications requiring, routine destruction of all living micro-organisms.
- Ideal for all Hospitals, Nursing Homes, Speciality Doctors, Microbiology Labs, R&D and Industry.

## Standard Features:

- Preset Digital Temperature Indicator cum Controller linked to a preset timer with 1°C resolution and  $\pm 1^\circ\text{C}$  accuracy.
- Pt100 Sensor for precise control and monitoring.
- Pressure Gauge and temperature Indicator.
- Safety valve.
- Low Water Level cut off.
- Ergonomic Design.
- Pressure release valve.
- End cycle buzzer.
- Automatic purging for efficient sterilization.
- ISI grade energy efficient type heater, custom made for Autoclaves.

## Construction:

- Inside and outside chamber are fully stainless steel.
- Hydraulically die pressed lid from stainless steel plate.
- Flange, fly screw, cross pin, heater cover stand are also fully stainless steel.
- All internal joints argon welded, ground and polished to give crevice free internals.



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## Advantages:

- Automatic purging for efficient sterilization.
- Preset (at 121°C) Digital temperature indicator cum Controller linked to a preset (20 min) timer.
- Low water level cut off.
- Fitted with a Safely Valve for added safety.
- End of cycle buzzer.
- Supplied with traceable certificate for Pressure Gauge and temperature Indicator.

<b>Standard Working</b>	121°C (250°F) and 15 psi.
<b>Temperature controller</b>	Microprocessor based PID controller.
<b>Pressure controller</b>	Semi-Automatic "PIEZOSTAT"
<b>Display</b>	7 Segment LED Dual Display.
<b>Low water protection</b>	Yes.
<b>Timer with alarm system</b>	1~9999 min (End of cycle buzzer).
<b>Insulation</b>	High quality Glass or Ceramic blanket.
<b>Standard basket</b>	Stainless steel basket.

All electrical appliances work on 230VAC, 50Hz, single phase. Other Voltages available on request.  
Due to continuous improvement in design, the product supplied may have modified features.

Model		Chamber Volume/Capacity	Working Chamber Size (Ø x D)	Heater
#19025VM	#19025VS	25 L	250 x 450 mm 10 x 18 inch	1.5 kW
#19035VM	#19035VS	35 L	300 x 500 mm 12 x 20 inch	2.0 kW
#19055VM	#19055VS	55 L	350 x 550 mm 14 x 22 inch	3.0 kW
#19075VM	#19075VS	75 L	400 x 600 mm 16 x 24 inch	3.5 kW
#19100VM	#19110VS	110 L	450 x 710 mm 18 x 24 inch	4.0 kW

- 'S': If the external body is made of SS 304 (Stainless Steel 304), the model's name will end with S (e.g., Model: #xxxxxS).
- 'M': If the external body is made of mild steel, the model's name will end with M (e.g., Model: #xxxxxM).