



MEHROTRA Biotech

HORIZONTAL AUTOCLAVE



HORIZONTAL AUTOCLAVE SINGLE DOOR AND HORIZONTAL AUTOCLAVE PASS THROUGH DUAL DOOR

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 horizontal 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 Horizontal Autoclave is specifically made for the sterilization of medical and surgical 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 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.

APPLICATION

Mehrotra Biotech Autoclaves are used in BSL Laboratories, CSSD, Clean Rooms, Hospitals, Research Labs, Microbiology Labs to perform sterilization and in the chemical industry to cure coatings and vulcanize rubber and for hydrothermal synthesis.

FEATURES

- It comes with a capacity of 150L.
- Temperature range is up to 134^o C.
- Pressure range is up to 32psi.
- It has dual pressure control switch for controlling the pressure High/low.
- Ensuring High Accuracy $\pm 1\%$ and 2^oC for pressure control, compound gauges and temperature gauges.
- Protected from power surge.
- Automatic door locking system with high accuracy ± 2 psi.
- Steam Safety valve for over pressure and Vacuum Breaker safety.
- Robust and tripled layered construction provides High Pressure and High Temperature.
- Single sheet used in chamber for minimum welding which gives extra safe smooth sur-face with rounded edges.
- Joint-less silicon gasket for no leakage and trouble free service life.
- Teflon and Silicon "O" ring die pressed seal for longer and trouble free service life.
- The wall panels, fitting, boiler back plate, jacket, front panel, back panels are made up of Stainless Steel thereby ensuring easy cleaning and are compatible to use in BSL3 Laboratory.
- It comes with Air filter for re-pollution control.
- It comes with High Vacuum System which provides Uniform and saturated steam.
- Designed for Fast sterilization process.
- Touch screen programmable logic controller with recoding facility.
- Password protection.
- Printing facility available.
- Water injector pump for High pressure auto feed water to boiler.
- Safety Features: Over Load, Low Water, Over Pressure, High/Low temperature, Dual sensor for Low water level, Single Phase preventer.
- Emergency Planner available in both automatic and manual operation.
- Complies to CE, NABH / QCI/HIC Norms.
- ISO 900:2015, 13485:2016 certified.

TECHNICAL SPECIFICATION

MODEL NO	HA 150
Temperature Range	Up to 34 ^o C.
Temperature Gauges	2 ^o C.
Pressure Range	Up to 32 psi
Accuracy	+/- 1%
Chamber Shape	Rectangular
Door Type	Double Door
Door Locking	Auto Door Locking system with accuracy +/- 2 psi.
Material of construction (Chamber, Door, Jacket)	Stainless Steel 304
Material of construction (Boiler Back Plate, Front Panel, End Ring)	Stainless Steel 304
Protection	Password protection.
Display	Touch screen programmable logic controller with recoding facility
Safety	Over Load, Low Water, Over Pressure, High/Low temperature, Dual sensor for Low water level, Single Phase preventer.
Safety Valve	Over pressure and Vacuum Breaker safety.
Additional Accessory	SS trolley for transport purpose, small SS boxes for autoclaving

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