

Horizontal Rectangular High Pressure Autoclave



Brand : BioGenix®

DESCRIPTION



The inner/outer chamber, steam jacket and boiler are made of heavy gauge SS with leak proof argon arc welding. The space between the outer chamber and steam jacket is filled with glass wool to minimize thermal losses. Hydraulically tested to withstand 2.5 times the working pressure. Steam boiler is fitted with water level indicator, pressure gauge, low water cut off device and automatic pressure control devices. Fitted with safety valve as a safety device. Drain valve is fitted at the side bottom for easy draining/clearing. This affords a complete safety to the working personnel against explosive opening. Two separate valves are provided for evacuating steam from inner chamber and jacket as and when desired. Sterilization cycle is controlled by single point multiport valve. The chamber discharge line is fitted with a moisture trap to absorb the condensate automatically thus preventing moistening of the loaded material to be sterilized.

An automatic vacuum breaker is fitted to all units as a standard accessory in order to break vacuum in case of steam condensation.

The flanged immersion type heating element made from a very high grade material provide fast formation of pressure in the system and are protected through a electric low water level cut off device. All sterilizers are provided with triple safety features through a "Piezostate" (automatic pressure control system) and a spring loaded safety valve fitted to the boiler/steam generator.

The chamber is fitted with spring loaded safety valve and a dead weight release valve.

To work on 220/230 or 440 volts, 3 phase, 50 Hz AC supply.

BASIC FEATURE

- Horizontal Rectangular Autoclave features triple walled construction finish and comes mounted on painted mild steel/stainless steel metal finish based tubular stands that provides for necessary operation stability. With inner chamber, middle wall and outer walls constructed using stainless steel,
- the presence of safety valve, pressure gauge as well as steam release valve also provides for optimum functional interface.
- the automatic low water level cut-off device also provides for necessary safety support of element used in the process.

SPECIFICATION

Temperature range :	≥250 °C
Working Pressure	21±1kg/cm ² at 215 °C
Pressure Vessel	H×W×D 540mm×440mm×890mm
Heater	Ceramic 24KW
Supply	4400V, 3 PHASE
Capacity	191 Ltr

WORKING CAPACITY

Cat No.	Inner Size W× D× H	Capacity Ltr.	No. of Shelves Basket	Steam Source/ supply
BS-HRA 191	450×450×900	191Ltr	2	DIRECT
BS-HRA 335	600×600×900	335Ltr	2	DIRECT
BS-HRA 450	600×900×1200	450 Ltr	2	DIRECT
BS-HRA 850	600×900×150	850 Ltr	2	DIRECT

OPTIONAL

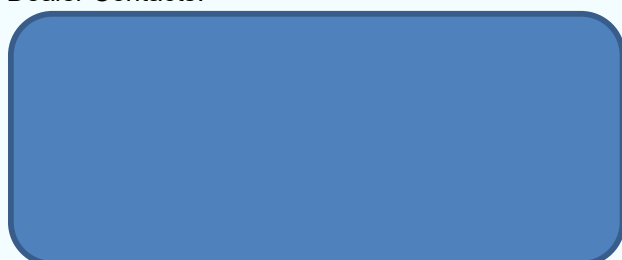
Automatic pressure control switch automatic low water cut off device , mechanical timer with alarm system, Temperature indicator (Digital/analog),Temperature chart recorders.

ADDITIONAL SPECIFICATION

- ⊕The Laboratory Cement Autoclave is suitable for conducting accelerated soundness tests on Cement or the Autoclave expansion test.
- ⊕The equipment consists of a Stainless Steel Pressure Vessel with insulated outer shell, fabricated out of high quality Stainless Steel Sheet. The pressure inside the vessel is controlled through a micro processor based PID controller Or PLC+HMI. The equipment is supplied complete with spring loaded safety valve pressure gauge, PID controller OR PLC+HMI with RTD for control of Heater unit.
- ⊕Rust proof stainless steel pressure vessel & enclosure. Microprocessor based PID controller or PLC+HMI for accurately controlling the temperature hence pressure. Three fold safety mechanism for the equipment & the operator .Reliable silicon rubber lid sealing gasket.

Key tags - High Pressure Horizontal Autoclave | High Pressure Cylindrical Horizontal Autoclave

Dealer Contacts:



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