

Single Door Horizontal Autoclave

IG-HA



IGENE LABSERVE

Innovative • Interactive • Intuitive

FEATURES & SPECIFICATIONS

DESCRIPTION & FEATURES

Our horizontal autoclave units are made of stainless steel to ensure corrosion resistance surface. Triple walled construction ensures excellent level of safety. Boiler is fitted separately and connected to the chamber. Water level indicator is also attached to the boiler. Automatic low water cut-off is optional and fitted on demand only. Each unit is fitted with automatic pressure control switch; it is capable to manage pressure between 15 psi to 20 psi with accuracy of ± 1 psi. User can easily set the desired temperature with the help of digital controller fitted on the front side of the unit. In order to achieve trustable tight sealing of door, we always use neoprene rubber gasket. In order to make our horizontal autoclave well suited to your application and to make your work easier, we offer a range of optional accessories. HMI control option is also available. Before supplying to customer, our horizontal autoclaves are tested up to 30 psi pressure along with other parameters such as leakage, power control, temperature control, safety valves and important parts of the machine. Our stringent quality control process ensures our customers that they are buying finest quality products.

- ❖ Cylindrical / Rectangular design
- ❖ Stainless steel interior and exterior
- ❖ ISI marked flange / immersion heating elements
- ❖ Working pressure 15 psi to 20 psi
- ❖ Standard temperature 121°C
- ❖ Silicon rubber door gasket
- ❖ Digital Temperature controller
- ❖ Digital Timer and alarm (buzzer)
- ❖ Automatic pressure control switch
- ❖ Reliable steam pressure gauges
- ❖ Vacuum breaker and steam trap valve
- ❖ Brass safety valves
- ❖ Viewing glass water level check
- ❖ Triple walled construction
- ❖ Automatic water level cut-off
- ❖ Powder coated / chrome plated MS Stand

SPECIFICATIONS

Design Type	Cylindrical or Rectangular
Construction	Triple Walled
Inner chamber	SS 304 with full argon welding
External chamber	SS 304
Finishing	Mirror finished inner and external surface
Insulation	Glass wool
Boiler	Made of SS 304 sheet; water inlet & outlet valves; Water level glass window; Boiler safety valve
All piping	SS 304
Chamber condensate line	Fitted with steam trap and check valve
Working temperature	121°C
Working pressure	15 to 20 psi
Hydraulic tested on	30 psi
Controller type	PID temperature controller Digital timer controller with END cycle buzzer
Heaters	ISI mark immersion heaters
LID	SS 304 / Pressure locking device
Radial locking system	Chrome plated MS
Stand	Chrome plated MS
Pressure	Automatic pressure control switch Analog dial type pressure gauge Manual pressure release valves for chamber & jacket
Multiport valve	Selection of sterilization Only chamber pressure release Full chamber / jacket both pressure release
Tray	Perforated tray made of SS 304
Standard fittings	Mains MCB Silicon gasket Vacuum breaker Stream trap Pressure safety valve Boiler safety valve
Power supply	440 Volts 50Hz, Three Phase
Optional	Working at 30 psi with 134°C Provision of vacuum drying Low water cut-off Digital pressure display Auto release of pressure through solenoid valves Complete SS 304 / SS 316 construction (GMP model) PLC + Color HMI with Data logging, USB interface, Ethernet Thermal printer

HORIZONTAL AUTOCLAVE (CYLINDRICAL)

Model No.	Dia. x Height (mm)	Volume (Litres)
IG-H040	300 x 500	40
IG-H075	400 x 600	75
IG-H138	400 x 1100	138
IG-H176	500 x 900	176
IG-H178	550 x 750	178
IG-H215	500 x 1100	215
IG-H235	500 x 1200	235
IG-H339	600 x 1200	339
IG-H552	750 x 1200	552

HORIZONTAL AUTOCLAVE (RECTANGULAR)

Model No.	W x H x D (mm)	Volume (Liters)
IG-R182	450 x 450 x 900	182
IG-R243	450 x 600 x 900	243
IG-R324	600 x 600 x 900	324
IG-R432	600 x 600 x 1200	432
IG-R540	600 x 750 x 1200	540
IG-R810	600 x 900 x 1500	810

