

VERTICAL AUTOCLAVE

IG-VA Series



IGENE LABSERVE

Innovative • Interactive • Intuitive

FEATURES & SPECIFICATIONS

DESCRIPTION

Vertical autoclaves are also known as top-loading sterilizers that come cylindrical. These are widely used in hospitals, Operation Théâtre (OT), and microbiology laboratories for the sterilization of various media and cultures. The working of a vertical autoclave is simple to understand; to open, a radial locking mechanism is fitted at the top of the lid, and a foot lever (pedal) is attached at the bottom. The user has to press the pedal and lift the lid.

We make various types of vertical autoclave machines for per intended use. Economy models come with a powder-coated MS exterior and stainless-steel interior. Our Deluxe models are double-walled vertical autoclaves and made with inner and exterior stainless steel; while the Triple Walled models have another chamber and all three walls are made of thick gauge of stainless-steel sheets. We make every vertical steam sterilizer following ASME guidelines to ensure that they are safe for users and samples.

FEATURES

- Stainless steel interior
- Digital temperature indicator Digital Temperature Controller
- ISI marked flange/immersion heating elements
- Up to 121°C temperature range
- Silicone rubber gasket
- Automatic pressure control switch
- Stainless steel basket
- Reliable steam pressure gauges
- Double or triple-walled construction
- Pedal lid opening
- Water level indicator
- Water inlet & outlet valves

SPECIFICATIONS

Construction	Economy Model	Double Walled Model	Triple Walled Model
MOC Exterior	Painted MS sheet	SS 304 (mirror finish)	SS 304 mirror finish)
No. of walls	Two	Two	Three
Lid	Polished MS	SS 304	SS 304
Interior	SS 304 with silicon gasket		
Working Pressure	15-30 psi		
Working Temp.	121°C to 134°C		
Controller	PID-based controller, Auto set to 15 psi & 121°C		
Pressure display	Analogue dial gauge		
Timer	Mechanical timer		
Programmable	Programmable automatic start timer		
Hydraulic tested	Hydraulically Tested up to 30 psi (ASME Guideline)		
Lid lock	Single-hand easy lock system for operating and closing.		
Basket	Stainless steel basket	Stainless steel basket	Not Required
Power supply	220 Volts 50Hz		
Standard Fittings	Low water indicator; Automatic pressure switch; Pedal lifting device Steam release valve; Water outlet valve; Spring loaded safety valve Power cable with three pin tops		
Optional Accessories	Fully stainless-steel construction (GMP) Up to 134°C temperature range PID temperature controller cum timer with alarm Thermal Printer Lower water cut-off		

STANDARD SIZES / DIMENSIONS

Ordering Information	Dia. x Height	Volume	Watt
IG-23VA	250 mm x 450 mm	23 liters	1 kW
IG-35VA	300 mm x 500 mm	35 litres	2 kW
IG-50VA	350 mm x 550 mm	50 litres	3 kW
IG-75VA	400 mm x 600 mm	75 litres	4 kW
IG-95VA	450 mm x 600 mm	95 liters	4 kW
IG-120VA	450 mm x 750 mm	120 litres	5 kW
IG-175VA	550 mm x 750 mm	175 litres	6 kW

NOTE: Model type of Economy / Double Wall / Triple Wall before ordering. Customization with the mentioned optional accessory is also possible. Model type of Economy / Double Wall / Triple Wall before ordering. Customization with the mentioned optional accessory is also possible.