



IGENE LABSERVE

Innovative • Interactive • Intuitive

VERTICAL AUTOCLAVE



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

We make various types of *vertical autoclave machines* as per intended use. Economy models come with powder coated MS exterior and stainless steel interior. Our Deluxe models are double walled vertical autoclaves and made with inner and exterior both of 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 in order to ensure that they are safe for users and samples.



FEATURES & BENEFITS

- ❖ 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 for lid opening
- ❖ Water level indicator
- ❖ Water inlet & outlet valves

TECHNICAL 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 to 20 psi		
Working Temp.	121°C to 125°C		
Controller	Auto set to 15psi & 121°C		
Pressure display	Analogue dial gauge		
Timer	Mechanical timer		
Hydraulic tested	Hydraulically Tested up to 40 psi (ASME Guideline)		
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 top		
Optional Accessories	Fully stainless steel construction (GMP) Up to 134°C temperature range PID temperature controller cum timer with alarm (buzzer) PLC with HMI interface with data logging 21 CFR Part 11 software Thermal Printer Lower water cut-off		

STANDARD SIZES / DIMENSIONS

Ordering Information	Dia. x Height	Volume	Watt
IG-22VA	250 mm x 450 mm	22 liters	1 KW
IG-35VA	300 mm x 500 mm	35 liters	2 KW
IG-50VA	350 mm x 550 mm	50 liters	3 kw
IG-75VA	400 mm x 600 mm	75 liters	4 kw
IG-95VA	450 mm x 600 mm	95 liters	4 kw
IG-120VA	450 mm x 750 mm	120 liters	5 kw
IG-175VA	550 mm x 750 mm	175 liters	6 kw

Mention Model type of Economy / Double Wall / Triple Wall before ordering. Customization with mentioned optional accessory also possible.

