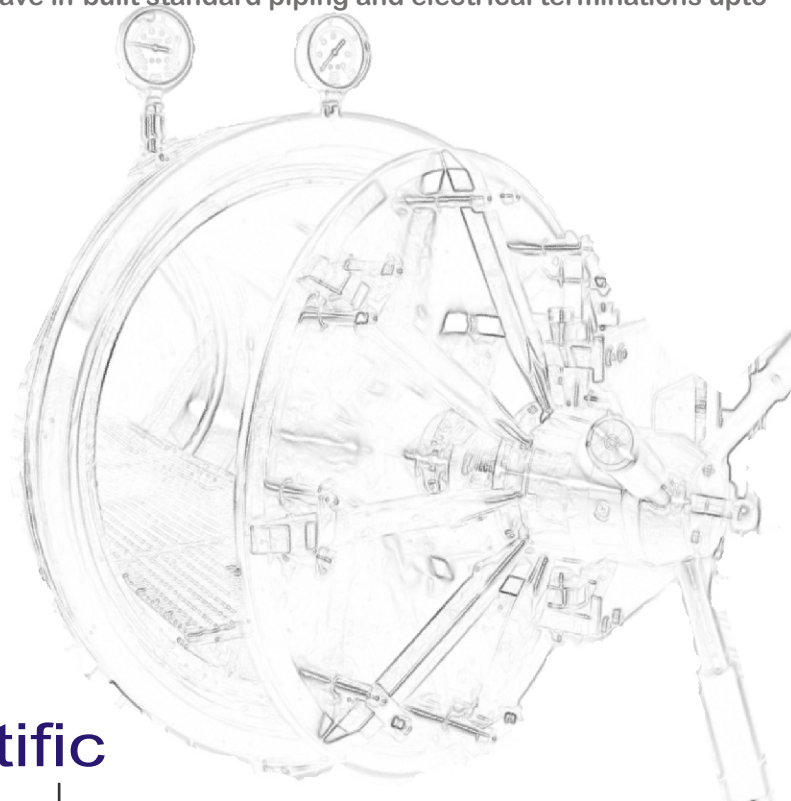


## Advanced Control System

- ✓ PLC Based Control Systems is offered as an option
- ✓ PLC is offered in Combination with a Touch Screen HMI for easy handling
- ✓ PLC based Control system is easily upgradeable to Software based control
- ✓ PLC and Touch Screen are housed in a SS Control panel
- ✓ Trend graph of the entire sterilization cycle is stored and are available in real time in the Touch Screen HMI
- ✓ Graphs can be exported to Windows applications like Excel, Access etc.. for further processing
- ✓ Auto as well as Manual operation possible in PLC based control system
- ✓ Digital Pressure Indication / Control is available optionally

## Accessories

- ✓ SS Carriage - 1no. forms part of the supply
- ✓ Mild steel Loading Trolley - 1no forms part of the Supply. Additional Trolley / Carriage can be ordered in M.S / S.S
- ✓ Spare Moulded Silicone gasket forms part of the standard supply
- ✓ All contact parts will be in Stainless Steel as Standard Construction
- ✓ Equipment will have in-built standard piping and electrical terminations upto Battery limits.



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# Borg



## Autoclaves / Steam Sterilizers

[www.borgscientific.com](http://www.borgscientific.com)

This Brochure provides an insight into our Sterilab Series Sterilizer range, Related applications and service.



# VERTICAL AUTOCLAVES - STERILAB SLV Series

## Features of Sterilab Series

- ✓ Automatic & Manual Models available
- ✓ Inner Chamber is made of Thick gauge Stainless Steel SS 304
- ✓ Outer Chamber is also made of thick gauge Stainless Steel SS 304 / MS as per customer's choice
- ✓ Ceramic Wool insulation in between the chambers
- ✓ Pressure Switch based "Cut- off" regulation.
- ✓ Heavy gauge wing nuts for perfect locking as standard & Radial locking mechanism as optional
- ✓ Water Level indicator for safety
- ✓ Heavy Duty heating coils for faster heating
- ✓ Integrated Micro Controller with Large Graphical LCD Display for user friendly operation
- ✓ Temperature Control range from ambient to 134 C
- ✓ Control accuracy: 0.1 C
- ✓ Timer in-built, Default is 99hrs
- ✓ Automatic Pressure maintenance @ 1.2bars
- ✓ Hydro tested at twice the operating pressure
- ✓ Future Upgradation for PLC / Software based control possible
- ✓ Pressure transmitter for Digital Pressure Indication / Control is available as an option
- ✓ Low Level Water indication with Cut-off, to safeguard the heaters
- ✓ High Speed Version for 2.1 Bar operation offered as an option



## Technical Data

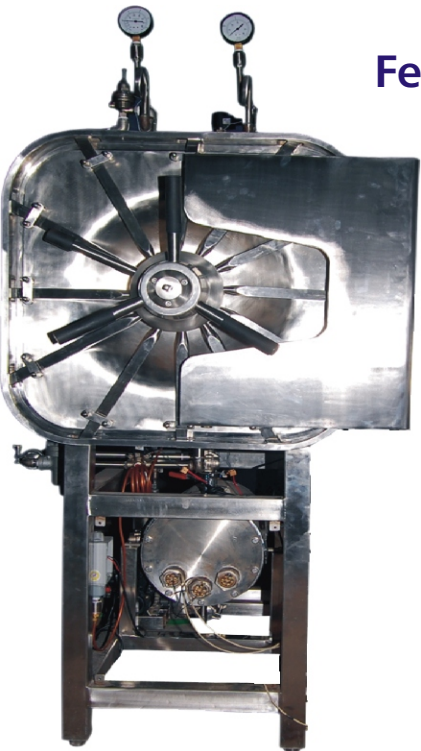
Feature	Vessel		Performance	Power	
	Size (mm)	Volume (Ltr)	Max. Temp (°C)	Voltage (AC)	Wattage (kW)
SLV 22	250 X 450	22	134	220	1.5
SLV 30	300 X 450	30	134	220	2.0
SLV 50	350 X 550	50	134?	220	2.0
SLV 100	450 X 650	100	134	220	4.0
SLV 150	500 X 750	150	134	415	6.0
SLV 200	600 X 750	200	134	415	9.0
SLV 200C	950 X 850	600	134	415	9.0

C - Custom Model

# STEAM STERILIZER HORIZONTAL - SSH & SSHC Series

## Features of Steam Sterilizer

- ✓ Single & Double Door versions
- ✓ Direct Steam Type. Other types can also be offered on request
- ✓ Inner Chamber is made of SS 304 - Optionally SS 316
- ✓ Outer Chamber is made of SS 304 - Optionally MS
- ✓ Ceramic Wool insulation is provided to arrest radiation of heat.
- ✓ Pressure switch based Cut-off regulation
- ✓ Dual Pressure gauge indicator
- ✓ Radial locking mechanism is standard supply
- ✓ Automatic Steam Generator placed below the chamber for ease of operation. Can also be provided as a Stand alone unit
- ✓ Automatic refill of Water in Steam Generator using Float mechanism. Manual refill can also be offered.
- ✓ Integrated Micro Controller with Large Graphical LCD Display for user friendly operation
- ✓ Temperature Control range from ambient to 134 C
- ✓ Control accuracy: 0.1 C
- ✓ Timer in-built, default is 99hrs
- ✓ Automatic Pressure maintenance @ 1.2bars, high pressure models also available
- ✓ Future Upgradation for PLC / Software based control possible
- ✓ Pressure transmitter for Digital Pressure indication / control is available as an option
- ✓ Special High quality Flanged coil heaters user for long time durability
- ✓ High Speed Version for 2.1 Bar operation offered as an option



## Technical Data

Model	Vessel		Performance		Power	
	Size (mm)	Volume (Ltr.)	Pressure (Psi)	Temperature (°C)	Voltage (V)	Wattage (KW)
SHC 1420	400 x 600	75	15	121	220	4
SHC 1730	500 x 900	175	15	121	220	8
SHC 2034	600 x 1000	280	15	121	440	9
SSH 2204	600 x 600 x 1200	430	15	121	440	12
SSH 3305	900 x 900 x 1500	1220	15	121	440	18
SSH 4406	1200 x 1200 x 1500	2610	15	121	440	24
SSH 5506	1500 x 1500 x 1800	4050	15	121	440	24