

## Specifications for Autoclave

1. Chamber volume should be 90-100 liters.
2. It should operate with saturated steam under pressure of 15 to 22 PSI (adjustable).
3. It should have sturdy double wall construction with boiler made of stainless steel at least 16 gauge sheet.
4. Should provide heat resistant SILICON door gasket withstand upto 140 Deg. C.
5. Outer shell should also be made of stainless steel.
6. Stand shall be made of Mild steel with anticorrosion paint.
7. Boiler and outer shell should be provided with air insulation.
8. Lid should be made of steel sheet and tightened by radial locking.
9. Joint-less gaskets should be made of Neoprene rubber.
10. Sterilizer should be fitted with water level arrangement to indicate water position inside the boiler.
11. Pressure gauge, air/steam release cock and two safety valves should be provided.
12. It should have immersion type heating element
13. It should be supplied with cord and plug to work on 220 Volts 50 cycles A.C. supply.
14. Safety features of sterilizers: Doorlocking facility, Low water protection system, Pressure cut off facility and all other necessary safety features.
15. The sterilizer should be fitted with suitable PLC (Microprocessor) for fully automatic cycle operation instead of manual operating valve with digital displays of Chamber Pressure, temperature etc.
16. The unit should be manufactured as per IS specifications Mark ISI:3829 and also should bear the certification.
17. Vendor has to support the specifications with manufacturer's brochure failing which offer may be rejected. Vendor has to demonstrate the equipment at DAV University, Jalandhar, within specified time limit, if asked for; failing which offer will be rejected.
18. The sterilizer should have minimum 2 years warranty with service facility at DAV University, Jalandhar