

**TECHNICAL SPECIFICATION**  
**VERTICAL AUTOCLAVE SINGLE DRUM**

1. The Autoclave made of Single piece deep drawn stainless steel jacket along with SS lid.
2. **Type:** Cylindrical construction, Chamber : SS 316 & Jacket : SS 304
3. **Working Voltage :** 220V±10V/ 440V±10V, AC, 50 Hz
4. **Sterilizing pressure :** 1.2 to 1.5 Kgf/cm<sup>2</sup> (15 to 22 psi) at 121°C
5. **Chamber Size:** 300 X 500 mm, Volume: 35 Ltr., Heating Element: 3 KW
6. High Grade strong stainless steel, Triple walled construction.
7. Positive radial self-locking safety doors.
8. Hydrostatically tested to withstand 2.5 times the working pressure.
9. Sealed with Neoprene/Silicon long-lasting and durable gasket.
10. Digital display for Jacket and Chamber pressure and temperature.
11. Outer jacket insulated to prevent heat loss; with a high grade insulation material
12. Mounted on 304 stainless steel frame with ground leveling flanges.
13. Temperature and pressure cut-off device.
14. Auto cut-off at low water level
15. Rust-proof 304 grade stainless steel.
16. Equipment should have separate steam release valve and drainage system.
17. Minimum of two safety valves with auto-release at 16 and 20.
18. Manufacturer should have BIS certificate. (valid documentation should be submitted in technical Bid)
19. Operational Manual containing instruction & plan for installation, operation of the sterilizer and routine maintenance & service should be provided along with autoclave.
20. Installation will be done by the firm free of cost.
21. Service Network of Firm in Rajasthan is essential.
22. Guarantee: One year against any manufacturing defect.
23. Technical approval after sample demonstration. (if required)

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*Dr M*

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