

**TECHNICAL SPECIFICATION**  
**VERTICAL AUTOCLAVE DOUBLE DRUM**

**Specification of Vertical Autoclave Double Drum, ISI Marked IS: 3829 Part III**

1. The Unit Comprises of Stem jacket electrically heated, inner chamber and Lid made of Stainless Steel sheet.
2. **Working Voltage** : 220V±10V/ 440V±10V, AC, 50 Hz
3. **Type**: Cylindrical, Chamber : SS 316 & Jacket : SS 304
4. **Sterilizing pressure** : 1.2 to 1.5 Kgf/cm<sup>2</sup> (15 to 22 psi) at 121°C
5. **Chamber Size**: 400 X 600 mm, Volume: 75 Ltr., Heating Element: 6 KW
6. High Grade strong stainless steel SS 304, 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. Analog display for Jacket and Chamber pressure and temperature.
11. Outer jacket of mild steel insulated to prevent heat loss.
12. Mounted on tubular Mild steel frame with ground leveling flanges.
13. Internal joints should be argon arc welded.
14. Safety Features: Low water Protection Device, Automatic Pressure / Switch, Safety Valves.
15. Should have 2 bins for loading.
16. Manufacturer should have BIS certificate. (valid documentation should be submitted in technical Bid)
17. Operational Manual containing instruction & plan for installation, operation of the sterilizer and routine maintenance & service should be provided along with autoclave.
18. Installation will be done by the firm free of cost.
19. Service Network of Firm in Rajasthan is essential.
20. Guarantee: One year against any manufacturing defect.
21. Technical approval after sample demonstration. (if required)

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**Executive Director (EPM)**  
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