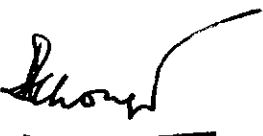


ANNEXURE - A.

SPECIFICATION OF HORIZONTAL AUTOCLAVE

- Shape - Cylindrical/Rectangular.
- Inner Chamber Volume - 250 – 300 Litres.
- Inner Chamber Stainless Steel - SS.316 grade of thickness 6 to 8 mm.
- Outer Chamber Stainless Steel - SS.304 grade.
- Should be insulated with 50 mm thick resin bounded glass wool.
- Door should be of SS.316 grade of 12 mm (hinge type with radial locking using shooting bolts) and provided with silicon gasket which can withstand temperature upto 140 degree celcius (automatic safety lock and unlock)
- Working pressure and Temperature - 1.2 to 2.2 Kg/sq. cm. (15 psi to 30 psi) at 121 degree – 135 degree celcius
- Electrical Steam Generator :- Non corrosion stainless steel/Chromium plated brass.
- Heater plate brass/Stainless Steel - 18 KW.
- Pipeline complete with stainless steel and brass fitted with ball type and solenoid valve.
- Stand :- Stainless Steel/High quality non corrosion steel.
- Instrumentation :- Temperature, Pressures, Vaccum Gauges, Steam Traps, Vaccum driers – 3 HP to create 26 Hg of efficient drying (motor should be less than 80 DP and no vibration) water level indicator on steam generator.
- Safety device : Pressure switch and safety valve (.3 to 3.5 Kg/cm²), self locking door when chamber is under pressure. Vaccum breaker for jacket. Steam generator with guage glass valves and low water protection with audio visual indicator.
- Automatic alarm system.
- Automatic high pressure water feeding pump.
- Should have ISI/BIS mark (IS 3829).
- Power requirement - 440 volts (Three phase) 50 Hz AC power.


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