

Sl.No.	SPECIFICATION OF LABORATORY VERTICAL AUTOCLAVE MACHINE
1	The Autoclave should be a manual vertical top load heavy duty machine and it should be suitable for ASL-II application. The Autoclave Door gaskets should be typically constructed with solid silicone rubber – a minimum of ¼” thickness.
2	Material of construction should be.Complete Stainless Steel 316 with Double Jacketed
3	The system should have the operating temperature of 134°C pressure at 2kg/cm of steam pressure.
4	The system should be Microprocessor based Programmable PID Digital temperature Controller cum Indicator of having accuracy of + 0.3° C or even better
5	The system should have the capacity 130 liters +/- 2%
6	The system should have the Auto Pressure & Temperature Control with Timer system for easy operation of the unit.
7	The system should have Indication for end of cycle completion and Safety alarm system.
8	The system should have Auto Low Water Level Cut-off with Alarm Safety Indication Facility in order to avoid heater damage during dry run without water.
9	System should have water inlet and outlet valves
10	System should have gauges for measuring inner and outer steam pressure
11	System should be equipped with a water level gauge and an automatic low water protection.
12	The system should have S.S Heater Guard Stand.
13	The offer should include the Stainless Steel perforated basket.
14	The quoted model should be Convenient for easy loading of samples with bigger Dia & smaller height construction
15	System should have automatic pressure control switch, safety valve and eject valves and also there should be additional safety for double protection
16	The system should be suitable for operating on 440v 50Hz, 3 phase
17	The system should have minimum 3 year warranty
18	The supplier should produce the material testing report, jacket pressure testing report at the time of installation.
19	The system should be supplied with operation and maintenance manual.
20	Installation and training should be a part of the offer.
21	The supplier should compulsary have the site visit for better understanding the requirement like installation space, power requirement etc
22	The company should have the office and service team in bangalore
23	Spare gasket must be included