

A. Horizontal Rectangular High Pressure High Vacuum Double Door Sterilize (1 set)

1	Horizontal Rectangular High Pressure High Vacuum steam Sterilizer. The chamber size: 600 x 600 x 1500mm (2' x 2' x 5'), double hinged door, suitable for operation on electricity. Electric load 21KW. Capacity 810 ltrs (minimum).
2	The chamber and doors should be made of stainless steel AISI 316 quality and electric steam generator would be made of stainless steel AISI 304 quality. The jacket would be made of boiler quality steel.
3	The chamber should be hydraulically tested to 2 times the working pressure. The normal working pressure would be 2.1 Kg/cm <sup>2</sup> corresponding to temperature 134oC.
4	The unit also should be incorporated with water ring vacuum pump to create vacuum of 24 mm Hg when the temperature of cooling water to the pump is less than 30oC for total evacuation of the air from the chamber, thus allowing complete sterilization of the load in shortest possible time
5	The unit should be manufactured as per Bureau of Indian Standards specification and should bear certification mark ( IS 3829 )
6	The sterilizer would be supplied with the following mountings and fittings:
7	Automatic with pre-selected and variable programs
8	Self sterilizing vacuum drier
9	One spring loaded safety valve and one vacuum breaker
10	Chamber discharge line would consist of one plug screen, one swing check valve, one steam trap
11	Automatic self locking device - The door would have automatic locking device when it is under pressure.
12	Stainless steel electric steam generator fitted with heaters, one low water protection and one automatic pressure controller, one air break contactor with indicating lamps, gauge glass assembly for the steam generator. The heaters should be mounted on a thick stainless steel plate
13	The unit should be provided with High Pressure Feed Water Pump for filling water into the steam generator when under pressure with interconnecting piping etc. The Heart of the system is PLC based microprocessor with the facility of HMI (Human-Machine-Interface) which is incorporated with the sterilizer. The technician should be able to program the cycles with his choice of different settings of time, temperature and corresponding pressure, which can be used to sterilize various types of contents / materials.
14	ACCESSORIES: One spare element and two gaskets Lead Free Autoclave Steam Indicator Tape, one inch, 60 yards long - 18 rolls.

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C. Ultrasonic Cleaner (1 set)

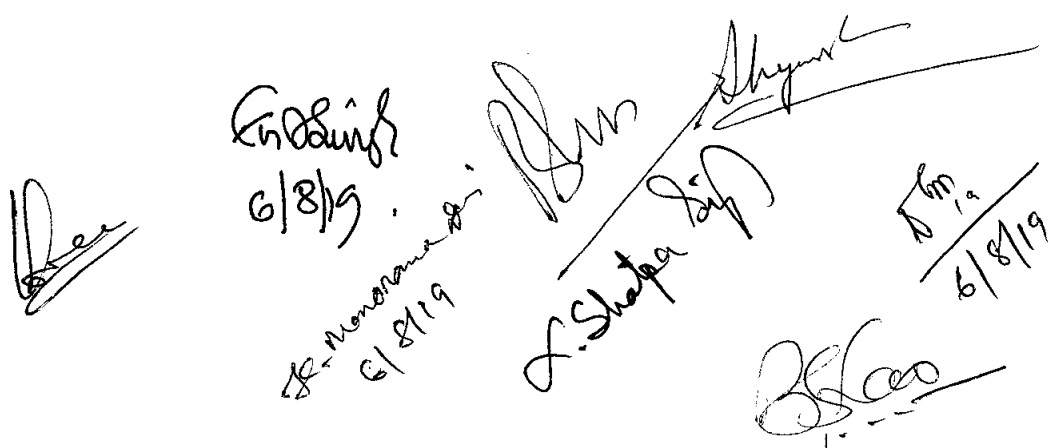
1	Ultrasonic Cleaner of overall size 530mm L x 330mm W x350mm H Internal Dimensions: 505 x 300 x 200 mm, output frequency 35khz
2	Capacity 30 litres.
3	The Ultrasonic cleaners should be manufactured using Solid State technology For the Ultrasonic Generator and PZT Transducers for converting the electrical energy to mechanical vibrations in the cleaning liquid.
4	The unit will be complete with a thermostat and a timer, insert basket for tank and tank cover.
5	The unit is suitable for electrical operation on 220/240 Volts, single phase, 50 cycles, AC supply

D. Spray Gun Rinser (2 set)

1	Spray Gun Rinser with attachments to be used for cleaning syringes, catheters, endoscopes, cystoscopes and variety of other instruments and articles used in sterile services.
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E. Washer Disinfector (1 set)

1	Washer Disinfector, single door, suitable for cleaning and disinfection of surgical instruments, anaesthetic equipment, suction bottles, cleaning buckets, general circulation goods, dental tray and glassware with a fully closed process
2	The washer disinfector, fully automatic, should have an advanced micro-processor which controls all services, programming and statistic functions. For safety reasons the service and programming functions should be coded
3	The door should be provided with interlocking system.
4	The chamber should be equipped with four spray arms which ensure good water penetration from all directions
5	Various attachments should be provided to suit the load to be washed.
6	Suitable dosage of detergent to be preset with the dosing pump. The provision of a double wall with insulation in between enables the Washer Disinfector to run with minimum sound and heat emission
7	The wash chamber, the inside the door, the pipework system and the circulation arms should be made entirely of stainless steel. Suitable for electrical operation on 400/440 volts, 3 phase, AC supply, electrical load 13 KW Should have the capacity of 275 ltr (minimum).


  
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