

Technical Specifications of Plasma Sterilizer 120 Litres.

Plasma Sterilizer 120 litres.

- i) Size should be minimum of 110 ltrs and above.
- ii) It should have state of art Hydrogen Peroxide Gas & Plasma Technology (Plasma should be generated inside the chamber).
- iii) It should have Rapid Warm-up system.
- iv) It should be have Rapid warm up system.
- v) It should have preprogrammed cycles with cycle time in the range of 35-55 mins with separate cycle for lumen/flexible endoscope load.
- vi) It should have Cassette type sterilant (min 4 to 7 cycles per cassette).
- vii) It should have 3 programmed cycles, short, standard & advanced depending upon the types of products sterizing. Having min cycle time of 35 mins.
- viii) It should have parameters (Temperature, Pressure, Cycle time, Daily cycle, Total cycle, Sterilant remaining cycle etc).
- ix) Should have Barcode or RFID information in case of sterilant use.
- x) Should maintain sterilization cycle temp 55 degree C or less for the treatment of heat sensitive surgical instrument.
- xi) All lumens, non lumens & flexible lumens like endoscope can be sterilized in different prog cycles.
- xii) It should have graphical cycle process information.
- xiii) It should have graphical sterilant level information.
- xiv) It should have operator log in function.
- xv) It should have USB cycle data backup/Ethernet connection. With 10" TFT touch LCD color screen.
- xvi) It should have electric plug only.
- xvii) It should have chamber heater mounted on four sides.
- xviii) PM (Preventive Maintenance) Alarm.
- xix) Lockable caster for mobile.
- xx) It should have vertical sliding door (dual safety system)
- xxi) It should have no water, vent. Plumbing facilities required.
- xxii) It should have Cycle cancel function.
- xxiii) It should have Door footh switch sensor.
- xxiv) It should have 2 tired shelves chamber (Load Wt/ Shelf: 40 kg)
- xxv) It should have environment friendly, No toxic by products and harmful residues.
- xxvi) It should have Visual and Audible Alarms.

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- xxvii) It should have No boosters and endoscope adaptors required.
- xxviii) It should have Hydrogen Peroxide Gas & Plasma Technology.
- xxix) It should have self diagnose function. With cracking of plasma (generated inside chamber).
- xxx) It should have SAL: 16-16 & international with safety standardization.
- xxxi) Should have performance certificate of minimum of 5 (five) Indian users.
- xxxii) The sterilizer should have approval/validation claims from the leading medical reputed device manufacturers that their instrument can be reliable cleaned and sterilized and is therefore safe to reuse (compatibility) as per the international standard guideline EIN ISO 17664 and AMMI TIR1 2 specifying the sterilization process and cycles in their IFU for sterilization of telescopes, cameras 7 other surgical instruments.
- xxxiii) All daily use consumables to be quoted separately as follows:-

Sl No.	Item Name	Qty Quoted
i.	Sterilant : Cassette	1
ii.	Chemical Indication tape	1
iii.	Chemical Indicator strips	1
iv.	Biological Indicator per vial	1
v.	Trays with Silicon mats:/ basket (ss)	
	a) 24 x 8 x 2 inches	1
	b) 18 x 4 x 2 inches	1
	c) 10 x 6 x 2.25	1
vi.	Endoscope holders 5mm and 10 mm	1
vii.	Sealing Machine	1
viii.	Sealing Material Tyvac Rolls	1
	a) 16" (40 cm)	1
	b) 14" (35 cm)	1
	c) 10" (25 cm)	1
System must be : US FDA & European CE		

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