

PLASMA BIONICS

V20 AIR PLASMA STERILIZER

SAFE. FAST. EASY.



STERILIZE HEAT-SENSITIVE INSTRUMENTS

- ✓ surgical electronics
 - ✓ lumen
 - ✓ optics

REDUCE OPERATING COSTS

- ✓ no installation cost
- ✓ low cost per cycle
- ✓ low maintenance

ELIMINATE HARMFUL CHEMICALS

- ✓ no chemical consumables
- ✓ no harmful byproducts
- ✓ zero emissions

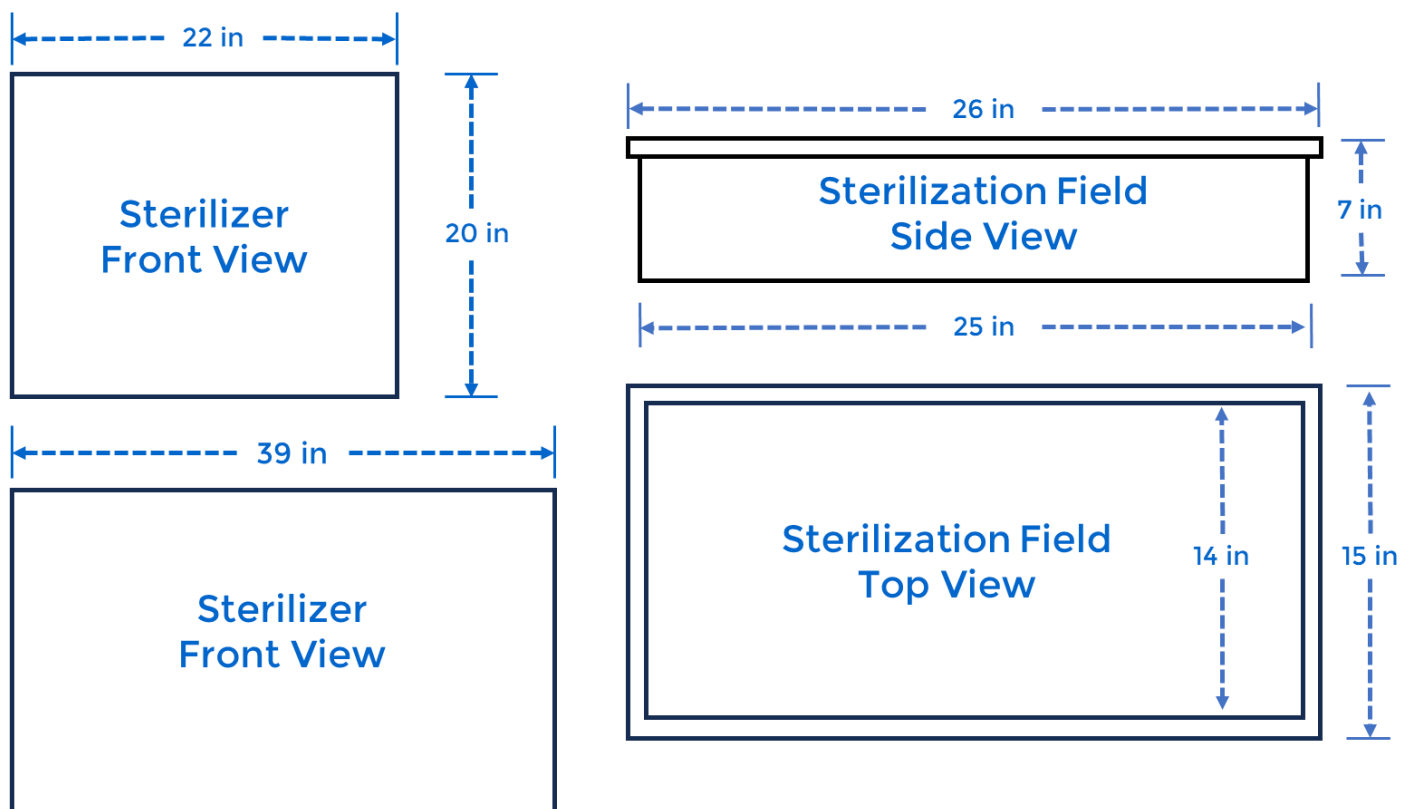
(405) 939-0676

sales@plasmabionics.com

TECHNICAL SPECIFICATIONS

Exterior dimensions*	39 in x 21 in x 20in (99 cm x 56 cm x 51 cm)
Installation space requirement	40 in x 22 in x 21 in (1 inch on all sides)
Sterilization field dimensions	25 in x 14 in x 7 in (77 cm x 57 cm x 45 cm)
Sterilization field volume	40 L (10.6 gal)
Weight	140 lbs (63.5 kg)
Operating temperature	5-35 °C (41-95 °F)
Storage temperature	-25-60 °C (-13-140 °F)
Electrical requirements	110-120 VAC, 60Hz, 7.5 A max (250 V 8 A rated fuse)
Operating relative humidity	0%-95%
Operating altitude	Up to 2,000 m (6,562 ft)

*Exterior dimensions include installed canisters and bubbler humidifier.



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STERILIZATION CYCLE SPECIFICATIONS

Type of sterilization cycle	Single cycle sterilizes most general surgical and laparoscopic instruments*
Sterilization process	Air Plasma Sterilization® process, terminal sterilization using overkill method to provide SAL of 10 ⁻⁶
Total sterilization cycle time	Approximately 4 hours
Preconditioning time	15-20 min*
Sterilizing time	3 hours
Ventilating time	30 minutes
Sterilant	Reactive oxygen and nitrogen species, primarily ozone, nitrogen dioxide, and hydroxyl radicals
Sterilant production	Sterilant gases produced from preconditioned air along the surface of the plasma sheet
Sterilant delivery	Sterilant gases produced inside sterilization chamber
Sterilant removal	Sterilant gases are converted back into air by pumping through Carulite® 200 granular catalyst
Critical process parameters	Air temperature, pressure, and humidity are monitored during preconditioning. Voltage feedback from plasma production is monitored throughout the sterilizing step.
Sterility assurance	Biological indicators (≥10 ⁶ spores of <i>Geobacillus stearothermophilus</i>)

*Preconditioning time may vary based on environmental conditions.

CONSUMABLES*

CONSUMABLE	REORDER REFERENCE NUMBER	NUMBER PER BOX	USABLE LIFE (sterilization cycles)	STORAGE
Plasma Sheet	S201	4	10	Away from heat and moisture
Desiccant Canister	D501	1	15-50	Away from heat and moisture
Catalyst Canister	C601	1	100	Away from heat and moisture
Chemical Indicator Strips	CS401	250	1	Away from heat, moisture, and oxidative gases
Chemical Indicator Labels	CL801	500	1	Away from heat, moisture, and oxidative gases
Electrical Connector	P701	100	1	Away from heat and moisture

*All consumables have no disposal restrictions and can be stored indefinitely in original packaging.

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