

PLASMA BIONICS

V10 AIR PLASMA STERILIZER



plasmabionics.com

CYCLE SPECIFICATIONS

Types of Cycles	Single cycle sterilizes most general surgical and laparoscopic instruments
Cycle Time	Standard 3-hour cycle* <i>*Does not include preconditioning time, may vary based on local conditions</i>

TECHNICAL SPECIFICATIONS

Cycle temperature	40°C-60°C (104°F to 140°F)
Sterilant	Reactive oxygen and nitrogen species, primarily ozone and nitrogen dioxide
Sterilant delivery	Generated from plasma inside the sterilization chamber
Shelf life of replaceable components	Plasma Sheet: Indefinite Desiccant cannister: Indefinite (in original packaging) Catalyst cannister: Indefinite (in original packaging)
Used plasma sheet disposal	No disposal restrictions Recycling is preferred. User can return used sheets to Plasma Bionics for recycling for a rebate on their next order
Used desiccant/catalyst cannister disposal	No disposal restrictions Recycling is preferred. User can return used canisters to Plasma Bionics for recycling for a rebate on their next order
Sterilant breakdown	The sterilant gases (reactive oxygen and nitrogen species) generated from air are converted harmlessly back into air through catalyzed reaction with the Carulite® 200 in the catalyst cannister.
Configurations	Single door
Chamber total volume	30 L
Chamber shape	Rectangular
Chamber dimensions (in)	18 (W) x 16 (D) x 7 (H)
System weight	90 lbs.
User Interface	Analog resistive touchscreen (480 x 272 pi)

STERILIZATION SPECIFICATIONS

Sterilization process	Terminal-sterilization, overkill cycle to provide a sterility assurance level (SAL) of 10 ⁻⁶
Sterilant concentration produced	Up to 2000 ppm of ozone and nitrogen dioxide each along with trace amounts of other reactive oxygen and nitrogen species
Sterilization cycle monitoring	Critical system parameters monitored with on-board sensors, biological indicators, and chemical indicators
Sterilant leak detection	Sterilant leak detection using onboard ozone and nitrogen dioxide sensor and pressure transducer

PHYSICAL DIMENSIONS

Exterior (in)	28.75 (W) x 19.25 (D) x 18.75 (H)
Chamber (in)	18 (W) x 16 (D) x 7 (H)

INSTALLATION AND ELECTRICAL REQUIREMENTS

Electrical power specifications	110-120 VAC, 50/60Hz, 6 A max
Installation space requirements	2 inches on all sides
Service space requirements	Top: 10 in Left side: 2 in. Right side: 5 in Back: 2 in

OPERATIONAL ENVIRONMENT

Temperature	15°C-45°C (59°F-113°F)
Humidity	10%-85% (noncondensing)

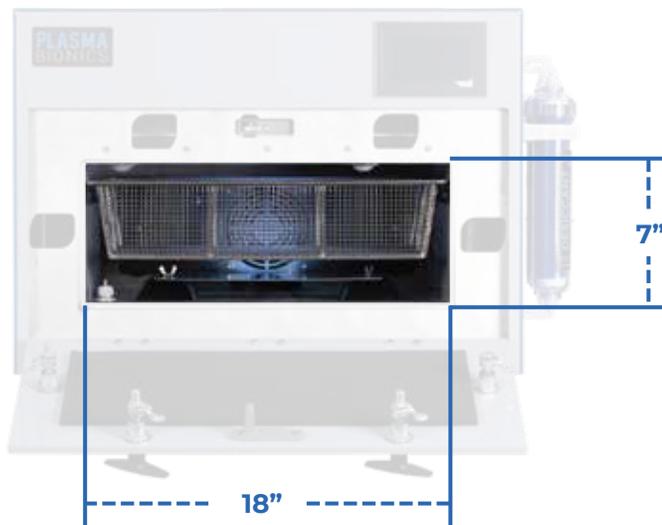
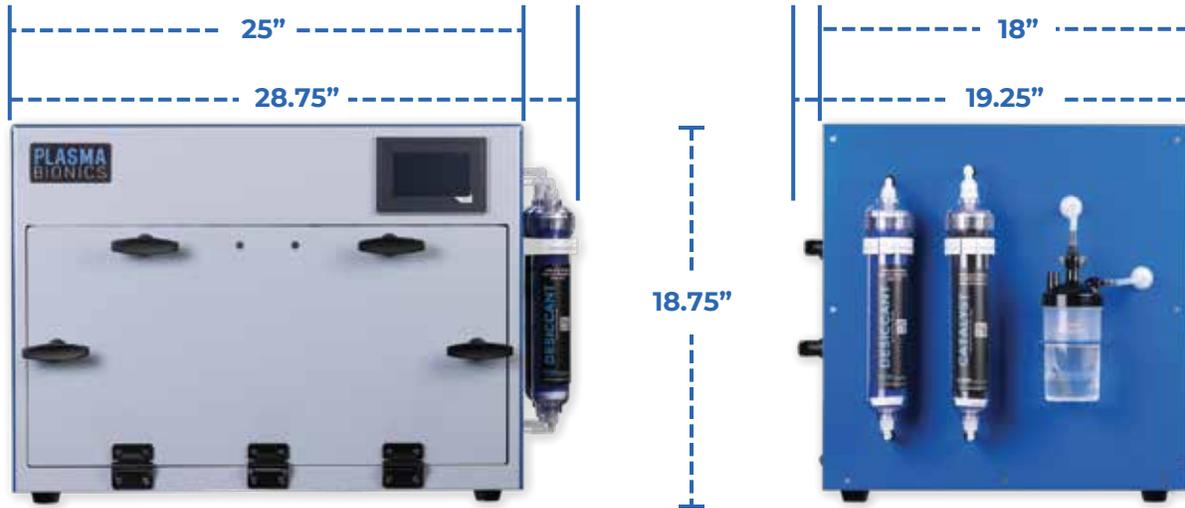
NETWORKING AND DATA RECORDING

Data recording	Electronic data storage up to 10,000 cycles USB data retrieval for record keeping Alerts for replacement of replaceable components such as filters and plasma sheet
Network connectivity	No network connectivity feature on model V10

SYSTEM ORDERING INFORMATION

Product Code	Product Description
V101	V10 Air Plasma Sterilizer
S201	Plasma sheets (5 pack)
C601	Catalyst cannister
D501	Desiccant cannister
CI301	Chemical indicator tape

PHYSICAL DIMENSIONS



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