



## The SurgASSIST CO2 Insufflator and ElectroSurgical Generator Combination

The **SurgASSIST** integrates two essential surgical and diagnostic needs into a single package. This comprehensive system requires a minimum of valuable operating room space while adding increased functionality to your clinical practice.

### • Insufflation System

The insufflator is specifically designed to fulfill all of the requirements for Laparoscopic CO2 insufflation. The **SurgASSIST** insufflator offers all the essential functions necessary for minimally invasive surgical and diagnostic procedures along with BioVision's signature "ease of use."

### • ElectroSurgical Generator

The electroSurgical generator is specifically designed for cutting and coagulating using high frequency RF currents. The **SurgASSIST** electroSurgical generator offers all essential functions for everyday clinical practice with BioVision's signature "ease of use."

## ElectroSurgical Generator

### • Power Adjustment

The **SurgASSIST** provides the user the ability to select the desired power level setting for their surgical procedure.

### • Foot-Switch Activation

The **SurgASSIST** comes with a foot-switch pedal that allows the user to activate the electroSurgical generator to cut or coagulate using a foot motion.

## Insufflator

### • Over & Under Pressure Level Indicator

The **SurgASSIST** senses and notifies the user when a critical pressure condition is present by producing an audible sound.

### • Patient Pressure Selection

The **SurgASSIST** provides the user the ability to select the desired operating CO2 pressure setting with the Patient Pressure Select switch. The preset pressures are nominally 7mmHg (low) and 12 mmHg (high) respectively.

## General

Operating conditions:	10° to 40°C 0 to 90% relative humidity, non-condensing
Shelf conditions:	-10° to 50°C 0 to 90% relative humidity, non-condensing
Dimensions:	15"W x 12"L x 6"H
Weight:	24 lbs (6 kg)

## Electrosurgical Generator

Mains voltage	120 VAC 50/60 Hz nominal
Input connection	IEC filtered and fused.
Classification	I
Type	CF (IEC60601-1)

## HF Output

Waveform:	Sinusoid
Operating Frequency	1.7 MHz
Stability	+/-0.2 MHz

	Function		
Mode	Cut (Watts, max)	Blend (Watts, max)	Coagulation (Watts, max)
Monopolar	100	90	30
Bipolar	70	63	21

## Maximum open-circuit voltage

Monopolar mode	2000Vp-p
Bipolar mode	600Vp-p

## Insufflator

Insufflation medium	Medical CO2
Maximum gas supply pressure	3000psi (into tank regulator)
Regulated supply pressure	50psi (into insufflators unit)
Nominal output pressure	High 12mmHg; Low 7mmHg
Maximum output pressure	High 15mmHg; Low 8mmHg
Over-pressure alarm	20mmHg
Under-pressure alarm	5mmHg
Maximum gas flow	5 l/min
Output connection	Male barb for 1/8" ID hose

Manufactured and tested according to UL2601 and IEC60601-1  
Complies with EN60601-2, group 2, Class B, and FCC Part 15 EMC requirements

**Specifications subject to change without notice.**