



# CO<sub>2</sub> Insufflation and Cautery at Your Fingertips

## The **SurgASSIST** CO<sub>2</sub> 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 CO<sub>2</sub> 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.

## Insufflator

### • **Over- and Under-Pressure Level Indicator**

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

### • **Patient Pressure Selection**

Select the desired operating CO<sub>2</sub> pressure setting with the Patient Pressure Select switch—nominally 7mmHg (low) and 12 mmHg (high).

## Electrosurgical Generator

### • **Power Adjustment**

Select the desired power level setting for each surgical procedure and patient.

### • **Foot-Switch Activation**

The **SurgASSIST** comes with a foot-switch pedal that lets you activate the electrosurgical generator to cut or coagulate using a foot motion.

**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 (10.9 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 CO <sub>2</sub>
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.*