



## Electrosurgical tool provides permanent vessel occlusion

The LigaSure™ system's revolutionary technology replaces almost all other hemostatic tools because it doesn't just ligate vessels, it actually fuses vessel walls to create a permanent seal.

### Performance Characteristics

#### General

- » Output configuration: Isolated output
- » Cooling: Natural convection
- » Display: Two (2) digital seven-segment displays (1.9 cm [0.75 in] each)
- » Mounting: A Valleylab cart or stable flat surface

#### Operating Parameters

- » Ambient temperature range: 10° to 40° C (50° to 104° F)
- » Relative humidity: 15% to 90%, non-condensing
- » Atmospheric pressure: 700 to 1060 millibars
- » Warm-up time: If transported or stored at temperatures outside the operating temperature range, allow one hour for the generator to reach room temperature before using.

#### Dimensions and Weight

- » Width: 38.6 cm (15.2 in)
- » Depth: 40.6 cm (16.0 in)
- » Height: 12.7 cm (5.0 in) not including feet
- » Weight: 5.9 Kg (13 lbs) typical

**Audio Volume:** The stated audio level is for the activation tone and alarm tone at a distance of one meter. Alarm tones meet the requirements of IEC 60601-2-2.

#### Activation Tone

- » Volume (adjustable): 45 dB minimum
- » Frequency (nominal): Seal Mode - 440 Hz, Macrobipolar Mode - 520 Hz, Bipolar Mode - 660 Hz
- » Duration: Continuous while the generator is activated; changes to one short tone when seal cycle is complete.

#### Alarm Tone

- » Volume (not adjustable): 65 dB minimum
- » Frequency: 85 Hz to 780 Hz; 985 Hz nominal

#### Output Waveform

- » Macrobipolar/Bipolar: 473 KHz sinusoid, 100% duty cycle
- » Seal: 473 kHz sinusoid, pulsed

#### Laparoscopic Instruments:

LigaSure™ V, LigaSure Atlas™ and Sure™ Lap

#### Open Instruments:

LigaSure Atlas™ 20 cm, LigaSure Impact™, Sure Precise™, LigaSure™ Std, LigaSure™ Max, LigaSure™ Axs, LigaSure™ Xtd and LigaSure™ Generator