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 car 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