

Valleylab LigaSure Vessel Sealing System



The LigaSure™ Vessel Sealing System gives you something no other electro-surgical tool can - permanent vessel occlusion

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 (UC8009) or a stable flat surface

Operating Parameters:

- **Ambient temperature range:** 10° to 40° C (50° to 104° F)
- **Relative humidity:** 15% to 90%, noncondensing
- **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.



Typical
Manufacturer's
Image

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Valleylab LigaSure™ Vessel Sealing Generator

Dimensions:

- **Height:** 38.6 cm (15.2 in.)
- **Width:** 40.6 cm (16.0 in.)
- **Depth:** 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: 985 Hz to 780 Hz; 985 Hz nominal

Output Waveform

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

Frequency Leakage

Low Frequency (50-60 Hz)

Source current, patient leads, all outputs

- Normal polarity, intact ground: < 10 μ A
- Normal polarity, ground open: < 50 μ A
- Reverse polarity, ground open: < 50 μ A
- Sink current at high line, all inputs: < 20 μ A

High Frequency (RF)

- Bipolar: < 69 mArms

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