

Product Overview

The LigaSure™ vessel sealing system gives you something no other electro-surgical tool can – 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.



ValleyLab LigaSure Vessel Sealing System

Features

- Provides a combination of pressure and energy to create vessel fusion
- Permanently fuses vessels up to and including 7 mm in diameter and tissue bundles without dissection or isolation
- Average seal cycle is 2 to 4 seconds
- Seals withstand 3 times normal systolic blood pressure
- Feedback-controlled response system automatically discontinues energy delivery when the seal cycle is complete, eliminating the guesswork

Specifications on Next Page

Note: The technical data given in this publication is for general information and is subject to change without notice. Actual configuration on the unit may vary. Contact our sales representatives for a complete list of details.



Seattle Technology
3915 152nd St NE
Marysville, WA 98271
1.800.827.3747
stsurg.com

Specifications

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

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

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

Specifications Continued on Next Page

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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