



3915 152ND ST NE | MARYSVILLE, WA 98271 | 1.800.827.3747

### Product Overview

The Force FX is a Digital Electrosurgical Unit.

The Force FXc is a High Power Digital Electrosurgical Unit.

Both generators feature computer controlled Instant Response™ Technology designed to ensure a consistent clinical effect through all tissue types.



VALLEYLAB FORCE FX AND FXC

### Specifications:

**Dimensions:**.....4.375" H x 14" W x 17" L

**Weight:**.....18 lbs

#### Input Power Requirements:

Operating Range:.....170 – 264 VAC

Max Current:.....3.5 A in cut and 2 A in coag

#### Output Waveforms: Bipolar:

Precise, standard and Macros:...470 kHz sinusoid

#### Monopolar Cut:

Low: 390 kHz sinusoid.

Similar to the pure cut mode except the maximum voltage is limited to a lower value.

Pure 390 kHz sinusoid.

Blend: 390 kHz bursts of sinusoid, recurring at 27 kHz intervals, 50% duty cycle envelope.

#### Monopolar Coag:

Desiccate: 240 kHz sinusoid repeated at 39 kHz, 8% duty cycle.

Fulgurate: 390 kHz damped sinusoidal bursts with a repetition frequency of 57 kHz into 300Ohm.

Spray: 390 kHz damped sinusoid bursts with randomized repetition centered at 28 kHz.

#### Monopolar Coag (Continued)

Frequencies include 21 kHz < f < 35kHz.

Output is further modulated by a random 250 Hz envelope with a variable duty cycle.

#### Low Frequency Leakage:

50 – 60 Hz. Source current, patient leads, all outputs tied together.

Normal polarity, intact chassis ground < 10µA.

Normal polarity, ground open < 50µA.

Reverse polarity, ground open < 50µA.

Sink current at high line, all points < 50µA.

#### High Frequency Leakage:

Bipolar:.....< 59.2 mArms

Monopolar:.....< 150 mArms

CEM™:.....< 150 mArms at < or equal 50 W

**Power Readouts:** Agree with actual power into rated load to within ±15% or 5 watt, whichever is greater.