

VALLEYLAB® FORCE FX AND FXC™

- Force FX: Digital Electrosurgical Unit
- Force FX C: High Power Digital Electrosurgical Unit
- Generators with computer controlled Instant Response™ Technology designed to ensure a consistent clinical effect through all tissue types.



Typical Manufacturer's Picture

Specifications

Dimensions:	4 3/8" H x 14" W x 17" L (11.1 x 35.6 x 43.2 cm)
Weight:	18 lbs. (8.2 kg)
Input power requirements:	Operating range: 170 to 264 VAC. Maximum current: 3.5 A in cut and 2 A in coag.
Output Waveforms	
Bipolar:	Precise, standard and Macro: 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 300 Ohm. Spray: 390 kHz damped sinusoid bursts with a randomized repetition centered at 28 kHz. Frequencies include 21 kHz < f < 35 kHz. 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 inputs < 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.

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