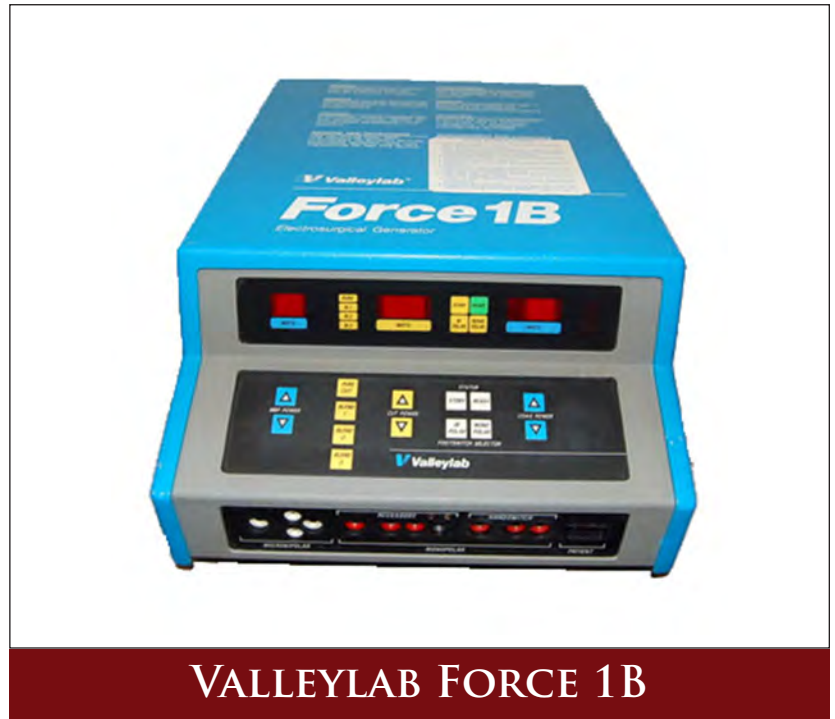




3915 152ND ST NE | MARYSVILLE, WA 98271 | 1.800.827.3747

**Product Overview**

The Valleylab Force 1B is a high power ESU that possesses high performance capabilities in a multipurpose generator. It provides full flexibility through varying degrees of homeostasis.



**Specifications:**

**Weight:**.....15 lbs  
**Dimensions:**.....8" H x 11" W x 17" L

**Output Characteristics:**

	Max. (Open Circuit) P-P voltage	Rated Load ohms	Nominal Power at rated load watt	Crest Factor at rated load typical
<b>Cut:</b>	2400	300	200	1.8 @ 100 W
<b>Blend 1:</b>	2800	300	175	2.7 @ 100 W
<b>Blend 2:</b>	3200	300	150	3.3 @ 100 W
<b>Blend 3:</b>	3600	300	125	4.6 @ 100 W
<b>Coag:</b>	5000	300	75	8.0 @ 50 W
<b>Bipolar:</b>	800	100	50	1.8 @ 40 W

**Output Waveform:**

	Sinusoid	Duty Cycle	Recurrence
<b>Cut:</b>	500 kHz	---	---
<b>Blend 1:</b>	500 kHz bursts	50%	31 kHz
<b>Blend 2:</b>	500 kHz bursts	37.5%	31 kHz
<b>Blend 3:</b>	500 kHz bursts	25%	31 kHz
<b>Coag:</b>	500 kHz	---	31 kHz
<b>Bipolar:</b>	500 kHz	---	unmodulated



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## VALLEYLAB FORCE 1B

### Specifications (continued):

#### Low Frequency Leakage:

(50/60 Hz) Normal Polarity, intact chassis ground <math><10\text{ mA}</math>, ground open - <math><100\text{ mA}</math>.

#### Reverse polarity: ground open

- <math><100\text{ mA}</math>. Sink current, 140V applied, all inputs - <math><150\text{ mA}</math>.

Chassis source current, ground open - <math><110\text{ mA}</math>.

#### High Frequency Risk Parameters:

Bipolar and Monopolar RF leakage current:.....<math><150\text{ milliamperes}</math>

#### REM™ Contact Quality Monitor:

Measurement frequency:.....140 kHz  $\pm$ 10 kHz.

Measurement current:.....1.5 mA  $\pm$ 0.5 mA

#### Input Power Source:

Nominal line input voltage is 120 VAC with a full range of 85 – 135 VAC.

Frequency line varies from 45 to 65 Hz

	Max Current	Max Power
Idle:	0.5 A	60 W
Cut:	5.0 A	600 W
Coag:	3.0 A	300 W
Bipolar:	1.5 A	180 W