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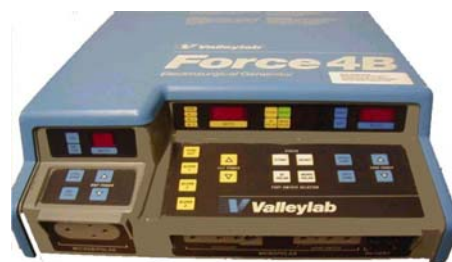
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VALLEYLAB® FORCE 4B®

- High Power Digital Electrosurgical Unit.
- This unit has digital display for output power and can be used for almost any electrosurgical procedure.
- Offers both Monopolar and bipolar output.



Typical Manufacturer's Picture

Specifications

Dimensions:	6 x 13 x 22 inches (15 x 33 x 56 cm)			
Weight:	25 lbs. (11.4 kg)			
Input Power Source:	Nominal input line voltage is 120 VAC with a full range of 95-140 VAC. Frequency linearies from 45 to 64 Hz			
	Max. Current		Max. Power	
Idle	0.4 A		50 W	
Cut	5.0 A		700 W	
Coag	3.0 A		300 W	
Bipolar	1.5 A		180 W	
Output Characteristics	Max. P-P Voltage	Rated Load (ohms)	Nominal Power (watts)	Crest Factor
Cut	5000	300	300	1.9 @ 100 W
Blend 1	5800	300	250	3.0 @ 100 W
Blend 2	5800	300	200	3.8 @ 100 W
Blend 3	6500	300	200	6.0 @ 100 W
Spray Coag	9000	300	120	10.0 @ 50 W
Soft Coag	900	300	60	12.0 @ 50 W
Low Volt Coag	6500	300	99	6.0 @ 50 W
Std Bipolar	1800	100	70	5.5 @ 40 W
Precise bipolar	600	100	70	2.2 @ 40 W
Output Waveform	Sinusoid	Duty Cycle	Recurrence	
Cut	750 kHz	-----	-----	
Blend 1	750 kHz bursts	50%	31 kHz	
Blend 2	750 kHz bursts	31%	31 kHz	
Blend 3	750 kHz bursts	27%	31 kHz + inductive discharge damped sinusoidal bursts	
Spray Coag	750 kHz	_____	31 kHz	
Soft Coag	750 kHz	_____	20.7 kHz	
Low Voltage Coag	750 kHz bursts	27%	31 kHz + inductive discharge damped sinusoidal bursts	
Std Bipolar	750 kHz	25%	31 kHz	
Precise Bipolar	750 kHz	_____	_____	
Low Frequency Leakage:	(50/60 Hz) Normal polarity: intact chassis ground - <10 mA, ground open - <100 mA. Reverse polarity: ground open - <100 mA. Sink current, 140V applied, all inputs - <150 mA. Chassis source current, ground open - <110 mA			
High Frequency risk parameters:	Bipolar RF leakage current: <150 milliamperes			
REM™ Contact Quality Monitor:	Measurement frequency: 140 kHz ± 10 kHz. Measurement current: 1.0 mA ± 0.5 mA			



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