



Söring

INNOVATIVE SURGERY

Ultrasonic surgery

→ High-frequency surgery

→ Plasma coagulation

Technical datasheet: High-Frequency and Argon Plasma Surgery Unit ARCO 3000



Article number	230 V	68-000C-FL
	115 V	68-000B-FL
	100 V	68-000A-FL

Output power			
Output frequency	280 kHz to 360 kHz		
Electrical output power	maximum 350 W		
Input			
Voltage (± 10 %)	230 V	115 V	100 V
Frequency (± 5 %)	50 Hz to 60 Hz		
Current consumption	maximum 3.5 A	maximum 7.0 A	maximum 8.1 A
Power consumption	maximum 810 VA		
Mains fuse	2 thermal fuses: T4AH	2 thermal fuses: T8AH	2 thermal fuses: T10AH
Dimensions & Weight			
Dimensions (W x H x D)	430 mm x 160 mm x 590 mm		
Weight	24.5 kg		
Further product features			
Program storage locations	10		
Instrument sockets	1x monopolar, 1x bipolar, 1x argon		
Compatible with following instruments	Monopolar handles (international 3 pin), bipolar instruments (international 2 pin), Söring ARCO instruments		
Applications	Monopolar cutting and coagulation, bipolar cutting and coagulation, argon plasma coagulation		
Classification			
Protection class	I (IEC 60601-1)		
Device class	IIb (MDD 93/42/EEC)		
Type	CF (IEC 60601-1)		
Notified body	CE 0123		



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Power values						
Monopolar cutting						
Operating mode	Effect levels	Nominal frequency	Peak voltage	Crest factor	Maximum power	Rated resistance
Mono Cut	-	350 kHz	0.8 kVp	1.5	320 W	200 Ω
Pulse	9	350 kHz	1.2 kVp	-	40 W	200 Ω
Blend	9	350 kHz	1.2 kVp	2.7	250 W	200 Ω
TUR	-	350 kHz	0.8 kVp	1.5	350 W	200 Ω
TUR and Pulse	-	350 kHz	1.6 kVp	-	50 W	200 Ω
Monopolar coagulation						
Operating mode	Effect levels	Nominal frequency	Peak voltage	Crest factor	Maximum power	Rated resistance
Soft	-	350 kHz	0.5 kVp	1.5	100 W	200 Ω
Force	9	350 kHz	1.4 kVp	2.6	120 W	200 Ω
High Force	-	350 kHz	3.0 kVp	6.5	120 W	200 Ω
Spray	-	350 kHz	4.3 kVp	6.3	120 W	200 Ω
Argon plasma coagulation						
Operating mode	Effect levels	Nominal frequency	Peak voltage	Crest factor	Maximum power	Rated resistance
Argon Coag	-	280 kHz to 300 kHz	4.3 kVp	6.3	120 W	200 Ω
Bipolar cutting						
Operating mode	Effect levels	Nominal frequency	Peak voltage	Crest factor	Maximum power	Rated resistance
Bipo Cut	-	350 kHz	0.6 kVp	1.5	130 W	100 Ω
Bipo Pulse	-	350 kHz	0.6 kVp	-	130 W	100 Ω
Bipolar coagulation						
Operating mode	Effect levels	Nominal frequency	Peak voltage	Crest factor	Maximum power	Rated resistance
Bipo Coag	-	350 kHz	0.3 kVp	1.5	100 W	100 Ω