

# SURTRON

FLASH // FLASH HF



SURTRON® FLASH HF is a High Frequency RadioSurgical equipment which is suitable for precision monopolar and bipolar surgery and micro-surgery without tissue alterations.

SURTRON® FLASH can supply RF operative powers either for programmable time as short as hundreds of a second.

SURTRON® FLASH through its performances allows pure CUT, cut-coagulation BLEND, incision with reduced production of eschar ENHANCED, superficial coagulation FORCED COAG, deep coagulation in absence of necrosis SOFT COAG, BIPOLAR coagulation and ABLATION. The digital reading of the delivered power and the overseeing through microcontroller of the operational functions, assure the absolute reliability of the conditions of job.

SURTRON® FLASH allows a highly professional surgery thanks to the user-friendly and safety solutions normally used.

The connection of neutral electrode is constantly monitored. Safety control of patient/plate contact using split neutral electrode. The possibility to control by the handle the output functions as well as the delivery of output power, allows to implement the surgical operation without turning away the surgeon attention from the surgical field.

120 160 HF 200

Reference code	10300.101	10300.201	10300.401
Max output power CUT	120 W-250 Ω	150 W-500 Ω <sup>(1)</sup>	200 W-250 Ω
Max output power BLEND	90 W-200 Ω	100 W-500 Ω <sup>(1)</sup>	120 W-200 Ω
Max output power ENHANCED	90 W-250 Ω	100 W-500 Ω <sup>(1)</sup>	120 W-250 Ω
Max output power FORCED COAG	80 W-150 Ω	100 W-150 Ω	150 W-150 Ω
Max output power SOFT COAG	60 W-100 Ω	80 W-100 Ω	90 W-100 Ω
Max output power BIPOLAR COAG	60 W-50 Ω	60 W-50 Ω	80 W-50 Ω
Max output power BIPOLAR ABLATION	-	60 W-100 Ω <sup>(1)</sup>	-
Working frequency	600 KHz	600 KHz	600 KHz
Working frequency <sup>(1)</sup> FUNCTION ONLY	-	4.0 MHz	-
RF power pulse emission time	10 ms - 30 sec	10 ms - 30 sec	10 ms - 30 sec
RF power pulse interval	1 - 9	1 - 9	1 - 9
Patient circuit	F	F	F
Selectable input voltage	115 - 230 Vac	115 - 230 Vac	115 - 230 Vac
Mains frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Electrical input power	300 VA	350 VA	350 VA
Size WxHxD mm	370x144x319	370x144x319	370x144x319
Weight	6 Kgs	6 Kgs	6 Kgs

AMBULATORY SURGERY  
 DERMATOLOGY  
 VASCULAR SURGERY  
 GYNECOLOGY

120 // // 200

**Standard Composition:**

- Reusable handle with switches 00205.00
- Handle for microsurgical needle 00201.02
- Assorted electrodes (10 pcs) 00500.00
- Needles for micro-surgery (10 pcs) 500500.L11
- Blade electrode 7 cm (3 pcs) 152-110
- Needle electrode 7 cm (3 pcs) 152-120
- Ball electrode 6 cm (3 pcs) 152-150
- Cable for neutral electrode 00404.08
- Steel neutral electrode 5365
- Disposable split neutral electrode (2 pcs) F7920
- Disposable neutral electrode (2 pcs) 0350
- Waterproof foot switch 00304.00
- Power supply cable 5mt 00100.01



DENTAL  
 OTORHINOLARYNGOLOGY  
 PEDIATRIC SURGERY  
 FIRST AID  
 PLASTIC SURGERY  
 ENDOSCOPY  
 OPHTHALMOLOGY  
 NEUROSURGERY  
 PNEUMOLOGY  
 UROLOGY  
 VETERINARY



- Activation of the monopolar power with pedal and/or handle
- Patient to plate contact control
- Split return electrode use allowed
- Minimally invasive surgical treatment allowed
- Monopolar and Bipolar independent output
- Auto Start/Stop in Bipolar Coag
- Working condition storing
- Digital regulation and indication of the output power
- Sound level control
- Planning of the working condition
- RF power pulse emission time setting
- RF power pulse interval setting
- HF Dual Frequency for best performances
- HF Least amount of lateral heat
- HF Less smoke in cutting mode

**SAFETY**

- EN60601-1
- EN60601-1-2
- EN60601-2-2
- Electrical Class: I CF
- MDD 93/42/EC Class: II b

**CONTROLS**

- Patient/Plate circuit monitoring
- Output power monitoring
- Self check control

