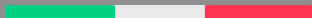


SURTRON[®]

ELECTROSURGICAL UNIT



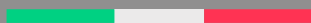
*INNOVATION
FOR SURGERY*





SURTRON®

ELECTROSURGICAL UNIT



- 06 **SURTRON®** 50D
- 07 **SURTRON®** 80D
- 08 **SURTRON®** 80//120//160
- 10 **SURTRON®** 120//160 HF//200
- 12 **SURTRON®** 200
- 14 **SURTRON®** TOUCH 200
- 16 **SURTRON®** 300 HP // 400 HP
- 18 **SURTRON®** EVAC
- 20 **SURTRON®** ABC



SURTRON[®]

ELECTROSURGICAL UNIT

**INNOVATION
FOR
SURGERY**

100% *MADE IN ITALY*

WE FOLLOW THE PRODUCTION PROCESS, FROM INITIAL CONCEPT TO THE FINAL PRODUCT, ENTIRELY IN OUR FACTORY.

LED is a company that specialises in the design and manufacturing of medical equipment.

LED brand achieved high prestige in the electrosurgery field worldwide. The company grew by using innovative manufacturing methods and by investing in the research and development of new technologies.

The design and the production realized inside its own factory guarantees an elevated standard quality and safety of the products.

LED's mission is to continuously research and develop new electrosurgical products, with the aim to improve the quality of the surgeons work.

*PERFORMANCE
USABILITY
DESIGN
RELIABILITY*



SURTRON 50D

SAFETY
EN60601-1
EN60601-1-2
EN60601-2-2
Electrical Class: I CF
MDR 2017/745/UE Class: II b

CONTROLS
Output power monitoring
Self check control



SURTRON® 50D is a radiofrequency electrocautery unit suitable for minor monopolar surgery.

SURTRON® 50D through the functions selection makes pure cut, cut coagulation (CUT 1 - CUT 2) and pure coagulation possible. The on-board microcontroller and digital display guarantees consistent safety and reliability under any conditions.

SURTRON® 50D offers outstanding professional surgical results due to its ergonomic and superior safety features.

SCAN HERE



READ MORE

50D

Reference code	10100.051
Maximum output power CUT	50 W - 400 Ω
Maximum output power CUT 1	45 W - 400 Ω
Maximum output power CUT 2	40 W - 400 Ω
Maximum output power COAG	40 W - 400 Ω
Working frequency	600 kHz
Patient circuit	F
Selectable input voltage	115/230 Vac
Mains frequency	50-60 Hz
Electrical input power	280 VA
Size WxHxD mm	190x85x239
Weight	2,5 Kgs

STANDARD COMPOSITION:

- Reusable monopolar handle	00206.00
- Assorted electrodes (10 pcs)	00500.00
- Cable for rod neutral electrode	00404.02
- Rod neutral electrode	00403.01
- Foot switch	00304.00
- Power supply cable 2 mt	00100.03
- Electrodes and handle support	00202.00



Ambulatory Surgery - Dermatology
Dental - First Aid

SURTRON 80D



SCAN HERE



READ MORE



SURTRON® 80D is a radiofrequency electrosurgical unit suitable for minor monopolar surgery.

SURTRON® 80D has a multi-function selector which makes cutting (CUT), cut coagulation (BLEND), coagulation (COAG) and micro-coagulation (MICRO) possible.

The one-board microcontroller and digital display guarantees consistent safety and reliability under any conditions.

SURTRON® 80D offers outstanding professional surgical results due to its ergonomic and superior safety features.

SAFETY

EN60601-1
EN60601-1-2
EN60601-2-2
Electrical Class: I CF
MDR 2017/745/UE Class: II b

CONTROLS

Patient/Plate circuit monitoring
Output power monitoring
Self check control

80D

Reference code	10100.081
Maximum output power CUT	80 W - 400 Ω
Maximum output power BLEND	60 W - 400 Ω
Maximum output power COAG	50 W - 400 Ω
Maximum output power MICRO	20 W - 600 Ω
Working frequency	700 kHz
Patient circuit	F
Selectable input voltage	115-230 Vac
Mains frequency	50-60 Hz
Electrical input power	280 VA
Size WxHxD mm	190x85x239
Weight	2,5 Kgs

STANDARD COMPOSITION:

- Reusable monopolar handle	00206.00
- Assorted electrodes (10 pcs)	00500.00
- Cable for neutral electrode	00404.08_S
- Steel neutral electrode	5365A
- Foot switch	00304.00
- Power supply cable 2 mt	00100.03
- Electrodes and handle support	00202.00



*Ambulatory Surgery - Dermatology
Dental - First Aid - Vascular Surgery*



*Casualty Surgery - Dental - Dermatology
Endoscopy - First Aid - Gastroenterology
Gynecology - Neurosurgery*

SURTRON 80//120//160




SURTRON® 80 / 120 / 160 is a high frequency electrosurgical equipment which is suitable to light and medium surgery.

SURTRON® 80 / 120 / 160, through its performance, allows pure CUT, cut-coagulation BLEND, superficial coagulation FORCED COAG, deep coagulation in absence of necrosis SOFT COAG and, with a special adapter, BIPOLAR coagulation. The digital reading of delivered power and the monitoring of operative function by microcontroller guarantees the absolute reliability of working conditions.

SURTRON® 80 / 120 / 160 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 the monopolar output functions via the handle as well as the delivery of output power, allows to implement the surgical operation without turning the surgeon's attention away from the surgical field.



Orthopedics - Otorhinolaryngology
Pediatric Surgery - Plastic Surgery
Pneumology - Urology - Vascular Surgery

	80	120	160	
Reference code	10100.101	10100.201	10100.301	
Maximum output power CUT	80 W-250 Ω	120 W-250 Ω	160 W-250 Ω	
Maximum output power BLEND	60 W-200 Ω	90 W-200 Ω	120 W-200 Ω	
Maximum output power COAG FORCED	50 W-150 Ω	80 W-150 Ω	100 W-150 Ω	
Maximum output power COAG SOFT	40 W-100 Ω	60 W-100 Ω	80 W-100 Ω	
Maximum output power BIPOLAR	30 W-100 Ω	40 W-100 Ω	60 W-100 Ω	
Working frequency	600 kHz	600 KHz	600 KHz	
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	230 VA	300 VA	350 VA	
Size WxHxD mm	254x104x288	254x104x288	254x104x288	
Weight	5 Kgs	5 Kgs	5 Kgs	

SCAN HERE



READ MORE

SCAN HERE



READ MORE

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READ MORE



SAFETY

EN60601-1
 EN60601-1-2
 EN60601-2-2
 Electrical Class: I CF
 MDR 2017/745/UE Class: II b

CONTROLS

Patient/Plate circuit monitoring
 Output power monitoring
 Self check control

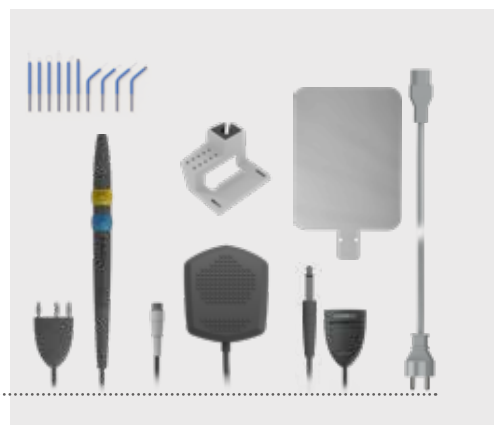
Possibility of use for minimum invasive surgery
 Possibility of use of bipolar forceps
 Possibility of use of split neutral electrodes
 Planning of the working conditions

Memorization of the last used settings
 Activation of the monopolar power with pedal and/or handle
 Digital regulation and indication of the output power
 Adjustment of the volume

80//120//160


STANDARD COMPOSITION:

- Reusable monopolar handle 00205.00
- Assorted electrodes (10 pcs) 00500.00
- Cable for rod neutral electrode 00404.08_S
- Steel neutral electrode 5365A
- Foot switch 00304.00
- Power supply cable 2 mt 00100.03
- Electrodes and handle support 00202.00



Casualty Surgery - Dental - Dermatology - Endoscopy
First Aid - Gastroenterology - General Surgery
Gynecology - Neurosurgery - Ophthalmology



	120	160 HF	200
Reference code	10300.101	10300.201	10300.401
Max output power CUT	120 W-250 Ω	150 W-500 $\Omega^{(1)}$	200 W-250 Ω
Max output power BLEND	90 W-200 Ω	100 W-500 $\Omega^{(1)}$	120 W-200 Ω
Max output power ENHANCED	90 W-250 Ω	100 W-500 $\Omega^{(1)}$	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 $\Omega^{(1)}$	-
Working frequency	600 kHz	600 kHz	600 kHz
Working frequency ⁽¹⁾ 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	350 VA	350 VA	350 VA
Size WxHxD mm	370x144x319	370x144x319	370x144x319
Weight	6 Kgs	6 Kgs	6 Kgs
	SCAN HERE 	SCAN HERE 	SCAN HERE 
	READ MORE	READ MORE	READ MORE

FLASH 120//160HF//200

STANDARD COMPOSITION:

- Reusable handle with switches	00205.00
- Handle for microsurgical needle	00201.02_S
- Assorted electrodes (10 pcs)	00500.00
- Needles for micro-surgery (10 pcs)	000500.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_S
- Steel neutral electrode	5365A
- Disposable neutral electrode (2 pcs)	0350
- Disposable split neutral electrode (4 pcs)	F7920
- Waterproof foot switch	00304.00
- Power supply cable 5mt	00100.01
- Electrode and handle support	00202.00



*Orthopedics - Otorhinolaryngology
Pediatric Surgery - Plastic Surgery - Pneumology
Urology - Vascular Surgery*

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 programmable RF active power either for time as short as a one one-thousandth 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 microcontroller of the operational functions, assure the absolute reliability of the working conditions.

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 the surgeon's attention away from the surgical field.

SAFETY
EN60601-1
EN60601-1-2
EN60601-2-2
Electrical Class: I CF
MDR 2017/745/UE Class: II b

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

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



SURTRON 200

SURTRON® 200 is a high frequency electrosurgical equipment which is suitable to light and medium surgery.

SURTRON® 200 allows to execute surgical minimally invasive procedure of resection, evaporation and coagulation.

SURTRON® 200 through its performances allows pure CUT, cutcoagulation BLEND, incision with reduced production of eschar ENHANCED, superficial coagulation FORCED COAG, deep coagulation in absence of necrosis SOFT COAG and BIPOLAR coagulation. The digital reading of the delivered power and the overseeing microcontroller of the operational functions, assure the absolute reliability of the working conditions.

SURTRON® 200 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.



SCAN HERE



READ MORE

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
Activation of the monopolar power with pedal and/or handle
Digital regulation and indication of the output power
Sound level control
Planning of the working condition

Casualty Surgery - Endoscopy - First Aid - Gastroenterology - General Surgery - Gynecology - Neurosurgery
 Orthopedics - Otorhinolaryngology - Pediatric Surgery
 Plastic Surgery - Pneumology - Urology - Vascular Surgery



200



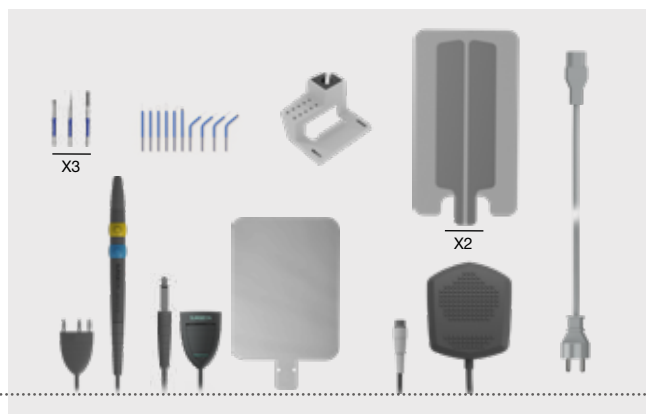
Reference code	10100.401
Maximum output power CUT	200W - 250 Ω
Maximum output power ENHANCED	120W - 250 Ω
Maximum output power BLEND	120W - 200 Ω
Maximum output power FORCED COAG	150W - 150 Ω
Maximum output power SOFT COAG	90W - 100 Ω
Maximum output power BIPOLAR COAG	80W - 50 Ω
Working frequency	600 kHz
Patient circuit	F
Mains voltage	115-230 Vac
Mains frequency	50-60 Hz
Electrical input power	350 VA
Size WxHxD mm	370x144x319
Weight	6 Kgs

STANDARD COMPOSITION:

- Reusable handle with switches	00205.00
- Assorted electrodes (10 pcs)	00500.00
- 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_S
- Steel neutral electrode	5365A
- Disposable split neutral electrode (2 pcs)	F7920
- Waterproof foot switch	00304.00
- Power supply cable 5mt	00100.01
- Electrodes and handle support	00202.00

SAFETY
 EN60601-1
 EN60601-1-2
 EN60601-2-2
 Electrical Class: I CF
 MDR 2017/745/UE Class: II b

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



*Casualty Surgery - Dermatology - Endoscopy
Gastroenterology - General Surgery - Gynecology
First Aid - Neurosurgery - Orthopedics*



SURTRON® TOUCH 200 has taken electrosurgery to new levels of performance, reliability and safety. With SURTRON® TOUCH 200 we have gained a good reputation for the innovation and technical excellence of our equipments.

The intuitive SURTRON® TOUCH 200, is suitable for use in many surgical disciplines, it has been designed to be easy to use allowing for minimal training, as well as to facilitate the ease of its set up at the start of a procedure and ensure the quick changing of modes and power settings during a procedure. **SURTRON® TOUCH 200** is an High Frequency electrosurgical equipment which is suitable for precision monopolar and bipolar surgery and micro-surgery without tissue alterations.

SURTRON® TOUCH 200 can supply HF active power for a programmable time as short as one one-hundredth of a second. **SURTRON® TOUCH 200** 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 CUT and COAG.

The digital reading of the delivered power and the overseeing through microcontroller of the operational functions, assure the absolute reliability of the conditions of work.

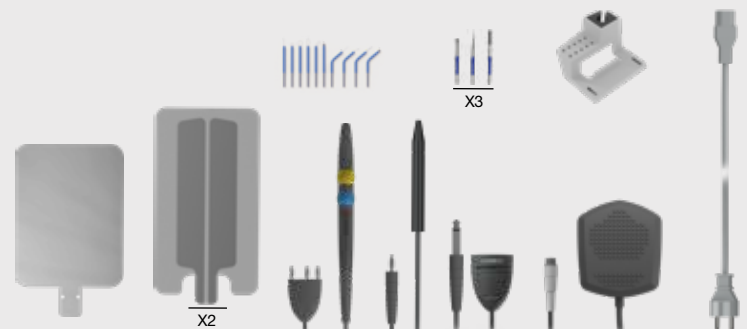
SURTRON® TOUCH 200 allows a highly professional surgery thanks to the user-friendly and safety solutions normally used.

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.

TOUCH 200

STANDARD COMPOSITION:

- Reusable handle with switches	00205.00
- Electrodes and handle support	00202.00
- Assorted electrodes (x10)	00500.00
- Blade electrode 7 cm (x3)	152-110
- Needle electrode 7 cm (x3)	152-120
- Ball electrode 6 cm (x3)	152-150
- Cable for neutral electrode	00404.08
- Steel neutral electrode	5365
- Disposable split neutral electrode (x2)	F7920
- Waterproof foot switch	00304.00
- Power supply cable 5mt	00100.01



Otorhinolaryngology - Pediatric Surgery
 Plastic Surgery - Pneumology - Thorax Surgery
 Trans Urethral Resection (TUR) - Urology - Vascular Surgery

SURTRON TOUCH 200



TOUCH 200

Reference Code

Maximum output power CUT
 Maximum output power ENHANCED
 Maximum output power BLEND
 Maximum output power BIPOLAR TUR
 Maximum output power BIPOLAR CUT
 Maximum output power FORCED COAG
 Maximum output power SOFT COAG
 Maximum output power FULGURATION
 Maximum output power BIPOLAR COAG
 Maximum output power VESSEL SEALING
 Working frequency
 RF power pulse emission time
 RF power pulse interval
 Patient circuit
 Selectable input voltage
 Mains frequency
 Electrical input power
 Size
 Weight

10100.T40
 200W-300 Ω
 150W - 300 Ω
 150W - 200 Ω
 200W - 200 Ω
 120W - 50 Ω
 150W - 200 Ω
 100W - 200 Ω
 100W - 1000 Ω
 120W - 50 Ω
 200W - 50 Ω
 360 kHz
 10 ms - 30 sec
 1 - 30
 F
 100 - 240 Vac
 50 - 60 Hz
 750 VA
 370 / 144 / 319 mm
 6 Kg

SAFETY

EN60601-1
 EN60601-1-2
 EN60601-2-2
 Electrical Class: I CF
 MDR 2017/745/UE Class: II b

CONTROLS

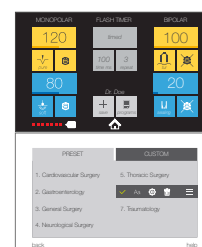
Patient/Plate circuit monitoring
 Output power monitoring
 Self check control

LeOS, Led electrosurgery Operating System, is developed for an easy, functional and intuitive working experience.

You can choose a black or white background, customize and store your personal program, change the cut and coag power with a simple touch of your finger.

Adaptive power control
 Activation power with pedal and/or handle
 Patient/plate contact control
 Split return electrode use allowed
 Minimally invasive surgical treatment allowed
 Monopolar and Bipolar independent output
 Underwater bipolar cut
 Vessel Sealing up to 7mm
 Auto Start/Stop in Bipolar Coag

RF power pulse emission time setting
 RF power pulse interval setting
 Least amount of lateral heat
 Less smoke in cutting mode
 Sound level control
 Planning of the working conditions
 Working condition storing
 Preset protocols
 Updating by USB



SCAN HERE



READ MORE

ENDOSCOPY - GASTROENTEROLOGY
 GENERAL SURGERY - GYNECOLOGY
 NEUROSURGERY - OTORHINOLARYNGOLOGY
 ORTHOPEDICS - PEDIATRIC SURGERY

SURTRON

300 HP // 400 HP



TWIN OPERATIVE ACTIVITY

- Two output channels for monopolar cutting
- Two independent setting and output channels for the most frequent monopolar coagulation

CONTROLLED CUTTING PROCEDURES

- Enhanced cutting current for eschar free incision
- Cutting current with selectable coagulating property for bleeding controlled dissection
- Low capacitive coupling by slow BLEND current for endoscopic procedures

TWIN CONTROLLED COAGULATIVE PROCEDURES

- SPEEDY** coagulation and DEEP***coagulation available to two operators
- SPRAY coagulation available by hand switch or foot switch controls

WIDE BIPOLAR FEATURES

- Bipolar cutting current with selectable bleeding control
- Slow BLEND cutting current
- Separately activable Automatic Start/Stop coagulation
- Vessel Sealing up to 7mm

SURGEON AND PATIENT TOTAL SAFETY

- Acceptability of contact impedance between patient

body and return electrode continuously watched by Skin Plate Electronic Control (SPEC)

- H.F. Leakage currents continuously monitored
- Mains fluctuation automatically compensated before to start the delivery of HF power

PERSONALIZED PROCEDURES

- Independent choice of coagulative currents and power levels by each of two operators
- Ten personal configurable and immediately recallable procedures

EXTENSION DRIVER AND INTERLOCK SIGNALS

- Driven output connection to external Argon Plasma unit and Smoke Evacuator unit

AUTOMATIC SELF DIAGNOSIS

- Automatic diagnostic control of the actual complete functionality of the electronic unit and the connected accessories with coded report of failures

*Monopolar CUT mode until 100 Watt.

**SPEEDY coagulation also said Fulgurate or Forced coagulation

***DEEP coagulation also said Pin Point, Dessicate or Soft coagulation

Reference code

Maximum output power monopolar pure CUT
Maximum output power monopolar cut-coag CUT80%
Maximum output power monopolar cut-coag CUT60%
Maximum output power monopolar cut-coag CUT40%
Maximum output power monopolar cut ENHANCED
Maximum output power monopolar cut-coag BLEND
Maximum output power monopolar coag SPEEDY
Maximum output power monopolar coag DEEP
Maximum output power monopolar coag SPRAY
Maximum output power monopolar coag SPRAY ARGON
Maximum output power bipolar CUT
Maximum output power bipolar cut-coag CUT80%
Maximum output power bipolar cut-coag CUT60%
Maximum output power bipolar cut-coag CUT40%
Maximum output power bipolar cut-coag BLEND
Maximum output power bipolar coag COAG
Maximum output power bipolar coag VESSEL SEALING
Working frequency Monopolar / Bipolar
Patient circuit
Selectable input voltage
Mains frequency
Electrical input power
Size WxHxD mm
Weight

300HP

10400.802
300 W - 300 Ω
250 W - 300 Ω
200 W - 300 Ω
150 W - 300 Ω
200 W - 500 Ω
200 W - 300 Ω
100 W - 500 Ω
100 W - 200 Ω
70 W - 2000 Ω
70 W - 2000 Ω
120 W - 50 Ω
120 W - 50 Ω
120 W - 50 Ω
100 W - 50 Ω
120 W - 150 Ω
120 W - 50 Ω
200 W - 50 Ω
425 kHz / 525 kHz
F
115 - 230 Vac
50 - 60 Hz
1000 VA
470x150x400
17,5 Kgs

SCAN HERE



READ MORE

400HP



10400.902
400 W - 300 Ω
300 W - 300 Ω
250 W - 300 Ω
200 W - 300 Ω
250 W - 500 Ω
250 W - 300 Ω
120 W - 500 Ω
120 W - 200 Ω
100 W - 2000 Ω
100 W - 2000 Ω
120 W - 50 Ω
120 W - 50 Ω
120 W - 50 Ω
100 W - 50 Ω
120 W - 150 Ω
120 W - 50 Ω
200 W - 50 Ω
425 kHz / 525 kHz
F
115 - 230 Vac
50 - 60 Hz
1000 VA
470x150x400
17,5 Kgs

SCAN HERE



READ MORE

*PEDIATRIC SUREGERY
PLASTIC SURGERY
PNEUMOLOGY
THORAX SURGERY
TRANS URETHRAL RESECTION (TUR)
UROLOGY
VASCULAR SURGERY*

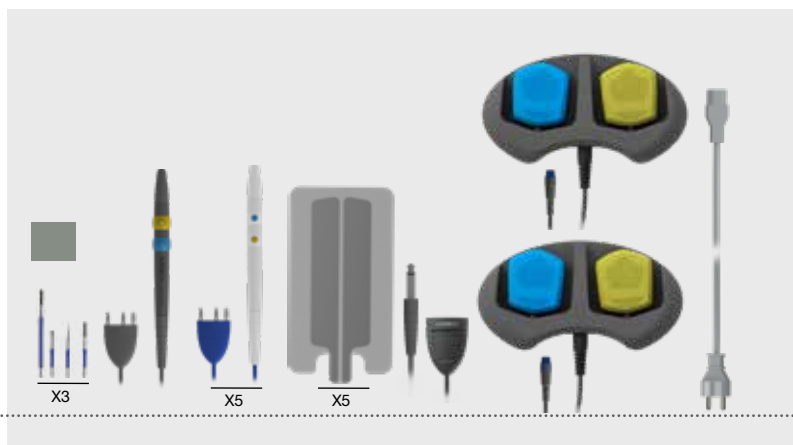
SAFETY
EN60601-1
EN60601-1-2
EN60601-2-2
Electrical Class: I CF
MDR 2017/745/UE Class: II b

CONTROLS
Patient/Plate circuit monitoring
Output power monitoring
Self check control
H.F. Leakage currents control
Compensation of mains fluctuation

300HP // 400HP

STANDARD COMPOSITION:

- | | |
|---|------------|
| - Disposable handle with switches (5pcs) | 755VL |
| - Reusable handle with switches | 00205.00 |
| - Blade electrode 7 cm (3 pcs) | 152-110 |
| - Blade electrode 16 cm (3 pcs) | 152-115 |
| - Needle electrode 7 cm (3 pcs) | 152-120 |
| - Ball electrode 6 cm (3 pcs) | 152-150 |
| - Cable for neutral electrode | 00404.08_S |
| - Disposable split neutral electrode (5pcs) | F7920 |
| - Electrode cleaning sponge | F7520 |
| - Double water-proof foot-switch (2 pcs) | 00305.04_S |
| - Power supply cable 5 mt | 00100.01 |



- AUTOMATIC AND / OR MANUAL FUNCTIONING
- REGULATION OF THE EVACUATION FLUX
- AUTOMATIC FUNCTION FOR LAPAROSCOPY
- CONTROL AND INDICATION OF USURY STATUS OF THE FILTER

SURTRON® EVAC



SCAN HERE



READ MORE

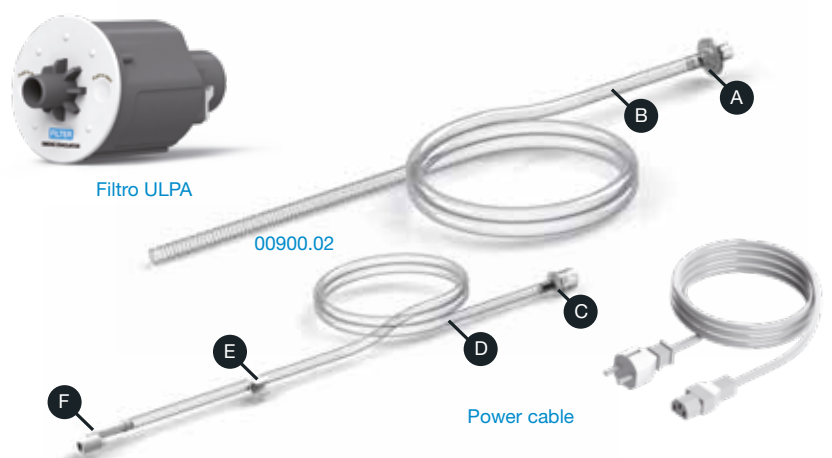
- FAST SUBSTITUTION OF THE FILTERS
- DIFFERENT TYPE OF FILTERS
- ACTIVATED CARBONS FILTERS FOR THE ELIMINATION OF THE SMELLS

STANDARD COMPOSITION:

- Power cable
- First ULPA Filter (5h) - BLU
- Evacuation kit: **A** Filter **B** Pipe dia. 22mm lenght 2,4 mt (100")
- 4 Handle evacuation kit: **C** Adapter 10mm/22mm **D** Pipe dia.10 Lenght 1,8 mt (72") **E** Clip to fix the pipe on the handle
- F** Adapter for the handle

REPLACEMENT PARTS

- ULPA Filter (20h) - RED 00900.FU01
- Evacuation kit (6 pcs) 00900.02/06
- Handle evacuation kit (12 pcs) 00900.01/12



SURTRON® EVAC is an evacuation and filtering system for the smoke produced during the surgical procedures.

The smoke, generated during surgical procedures, have a bad, strong and long lasting smell. The smoke consists of water vapour, organic gas, visible or invisible solid and viral particales. A good evacuation and filtration eliminates bad smells, reduce the bacteriologist and/or viral risks, and solves, the partuculary annoying problem of the optimal vision of the zone during the laparoscopic procedures.

In **SURTRON® EVAC** the activation of the smoke evacuator can be done via the: AUTOMATIC mode, through an electronic system that picks up the activation of the high frequency electrosurgical unit; MANUAL, acting directly on the unit through a foot switch (optional) The flux of the evacuation can of course be regulated and for laparoscopic procedures there is a specific function, easily selectable labled L.

SURTRON® EVAC has an electronic control of the evacuation with the indication of the status of the filters on the frontal panel.

Reference codes	10200.10 (230 Vac) - 10200.10/115V (115 Vac)
Input voltage	230 Vac or 115 Vac
Mains frequency	50 Hz
Electrical input power	800 VA
Max vacuum flow rate	1000 LPM (35 CFM)
Max static suction	250 mbar (83 in H2O)
Filter type	ULPA with active carbon
Filter efficiency	99,999X%
Particles diameter	0,12 micron
Size WxHxD mm	370x144x319
Weight	4 Kg



FILTER RED

The **RED** filter is an optional spare part, created for a long time of use.



FILTER BLUE

The **BLUE** filter is the standard filter and it is included with the unit for a first time of use.

There are two different kinds of filter, quickly replacable and built with a filtering ULPA type containing active carbons parts dedicated to the elimination of the bad smells of the electrosurgical smoke and connector of 7/8" (22mm).

The filters have an electronic system for status of use.

SURTRON® ABC



SURTRON® ABC is a module that can be connected with a compatible electrosurgical unit, specific for coagulation electrosurgical procedures with Argon gas, indicated for both open surgery and laparoscopy.

Argon is an inert gas that used in combination with specific currents for high frequency coagulation generated by an electrosurgical unit, allows to obtain a superficial coagulation without contact thanks to the ionization of the gas flows through the high-frequency current.

SURTRON® ABC is realized so that the connection to an electrosurgical unit with compatible characteristics to the Argon procedures, allows the distribution via both a manual activation and footswitch activation. The connection to the ABC unit doesn't preclude the use of other functions of the electrosurgical units, in fact, in case of use of the compatible LED units, the erogation of the Argon gas occurs only in case of erogation of current of high-frequency coagulation (SPRAY).

- REGULATION AND CONTROL OF THE FLOW GAS SUPPLY
- STATUS CONTROL OF THE GAS ARGON CYLINDER
- ACTIVATION THROUGH THE

- HANDLE OR THE FOOT-SWITCH*
- *SPECIFIC FUNCTION FOR LAPAROSCOPY*
 - *AUTOMATIC FUNCTION FOR COMPATIBLE LED UNITS*
 - *MANUAL FUNCTION FOR CONNECTION WITH UNITS OF OTHER BRANDS*

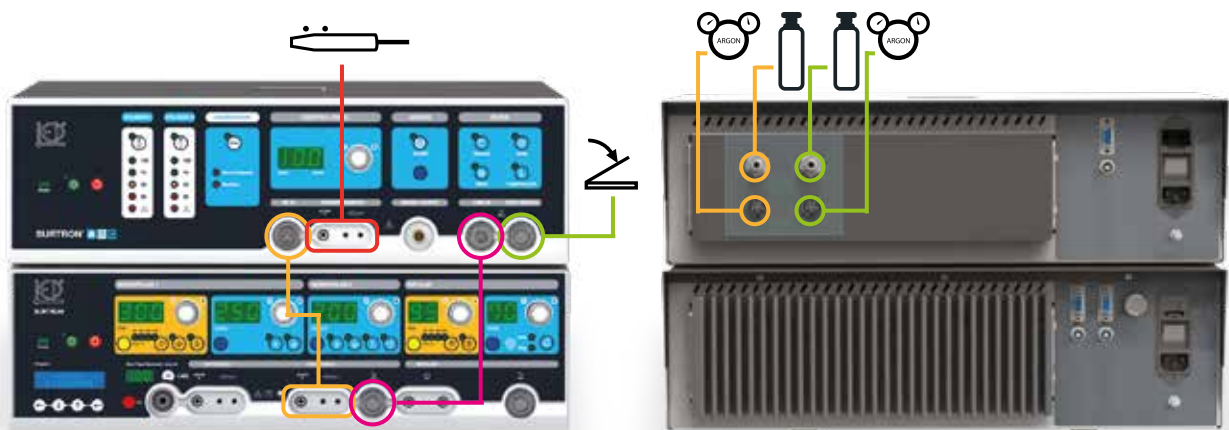


Reference code	10500.20
Input voltage	90-240 Vac
Mains frequency	50/60 Hz
Electrical input power	70 VA
Flow regulation	0.2 - 10 LPM
Maximum inlet pressure	3.0 bar (43,5psi)
Electrical Class	I CF
Size WxHxD mm	470x150x400
Weight	8 Kgs

SCAN HERE



READ MORE



Connection with SURTRON HP (Not included)

SURTRON



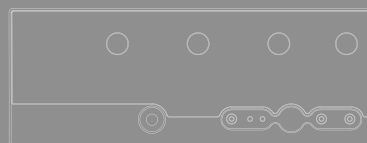
50D e 80D



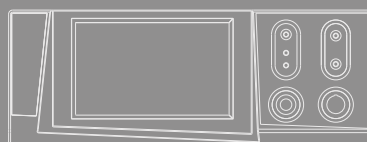
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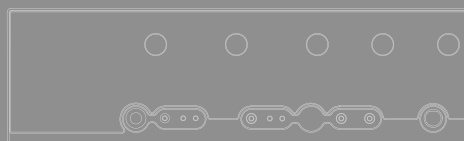
FLASH // FLASH HF



200



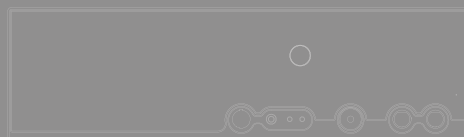
TOUCH 200



300 HP // 400 HP



EVAC



ABC



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