SURTRON

80 // 120 // 160 // 200

SURTRON® 80 / 120 / 160 / 200 is a high frequency electrosurgical equipment which is suitable to light and medium surgery.

SURTRON® 80 / 120 / 160 / 200, 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 / 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 monopolar 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.

	80	120	160	200
Reference code	10100.101	10100.201	10100.301	10300.401
Maximum output power CUT	80 W-250 Ω	120 W-250 Ω	160 W-250 Ω	200 W-250 Ω
Maximum output power BLEND	60 W-200 Ω	90 W-200 Ω	120 W-200 Ω	120 W-250 Ω
Maximum output power FORCED COAG	50 W-150 Ω	80 W-150 Ω	100 W-150 Ω	150 W-150 Ω
Maximum output power SOFT COAG	40 W-100 Ω	60 W-100 Ω	80 W-100 Ω	90 W-100 Ω
Maximum output power BIPOLAR	30 W-100 Ω	40 W-100 Ω	60 W-100 Ω	80 W-50 Ω
Working frequency	600 KHz	600 KHz	600 KHz	600 KHz
Patient circuit	F	F	F	F
Selectable input voltage	115-230 Vac	115-230 Vac	115-230 Vac	115 - 230 Vac
Mains frequency	50-60 Hz	50-60 Hz	50-60 Hz	50 - 60 Hz
Electrical input power	230 VA	300 VA	350 VA	350 VA
Size WxHxD mm	254x104x288	254x104x288	254x104x288	370x144x319
Weight	5 Kgs	5 Kgs	5 Kgs	6 Kgs

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SURTRON EVAC

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	0,3 micron
Size WxHxD mm	370x144x319
Weight	4 Kg

SURTRON EVAC is an aspiration and filtering system for the smokes produced during the surgical procedures.

The smokes, generated during the surgical procedures, have a bad, strong and long smell. These smokes consist of water vapour, organic gas, visible or invisible solid particles and viral parts. So a good aspiration and filtration eliminates bad smells, reduce the bacteriologist and/or viral risks, and solves, the particulary annoying problem of the optimal vision of the zone of the intervention, during the laparoscopic procedures.

In SURTRON EVAC the activation of the aspiration can be:
AUTOMATIC, through electronic system of survey of the activation of the high frequency electrosurgical unit;
MANUAL, acting directly on the unit through a foot switch (optional) The flux of the aspiration can be regulated to be suitable with the singular necessities. For laparoscopic procedures there is a specific function, quickly selectable.

SURTRON EVAC has an electronic control of the aspiration with the indication of the usury status of the filters.

SURTRON ABC

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

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 flow 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 erogation both through a manual activation and foot 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).

contactus@ababilhealthcare.com
www.ababilhealthcare.com
20, KVT Garden Phase-III, VS Mani Nagar, Madhavaram, Chennai - 60. TN
Branches: Chennai | Bangalore | Hyderabad | Cochin
+91 44 2553 2144
+91 98840 43905