



French leader in electrosurgery since 1947

## MCB II



Bipolar electrosurgical platform with latest generation microprocessors, for in real time adapted energies to the evolution of the tissues.

Reference : V10GMCB

PLUG & PLAY function for following specialties:

### PLASMA EDGE

The Gold Standard of bipolar PLASMA resection power, dedicated to bipolar TUR, TURB and hysteroresection.



A unique system in one; allows sealing, dissection and cutting. Dedicated to ENT surgery and other delicate procedures.



### VESSEL SEALING

Vessel sealing, safe and effective up to 7 mm in diameter, with acoustic signal validation at the end of the sealing cycle.



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### **Special features:**

- Friendly user interface with a **Plug & Play technology**.
- **Automatic recognition technology**.
- 1 High Frequency output to run bipolar plasma resection & vessel sealing products.
- Dedicated power to each bipolar electrode :

- Thin Loop
- Thick Loop
- Ball
- Vaporization
- Enucleation
- 5fr GY

**PLASMA**  
— EDGE —

- **Reusable Cutting and Sealing forceps :**

**THERMOCISION** forceps :

- Completely **reusable**
- **Dissection, sealing and cutting** in one act

**THERMOCUT** forceps :

- Completely **reusable** and **autoclavable**.
- Available in **Ø 10 and Ø 5 mm** for open and coelio surgery
- Safe and efficient sealing up to 7 mm diameter.
- Can be fully dismantled for a safer cleaning.
- Detachable cable



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General	
CE marking	Compliance to MDD 93/42/EEC - Device marked CE 0459
MD Classification	IIb
GMDN code	11490
Compliance	IEC 60601-1 : 2012 ; IEC 60601-2-2 : 2009 ; IEC 60601-1-2 : 2014
Output configuration	Floating output, CF type
Cooling	Forced convection by fan
Display	Relative display (not marked in Watt)  - 3 digits displays with 7 LED segments for cut and coagulation modes  - 3 levels LEDs displays for vessel sealing mode
Output connector	1 socket with automatic recognition of the users instrumentation
Mounting	Mobile cart in aluminium with storage basket, antistatic wheels and locking (ref. V10GA2)  Any stable, flat surface such as a table or cart top
Available features	
Cutting mode	Bipolar plasma resection in saline with thin, thick, knife, and vaporization electrodes
Coagulating mode	Coagulation in saline, with a loop electrode or a ball electrode
Vessel sealing mode	Vessel and tissue sealing in open surgery and laparoscopic surgery (large range of surgical forceps) including Thermocision dedicated for Thyroid surgery
Controls	Twin footswitches for resection in saline or vessel sealing. Single footswitch or handswitch for Vessel sealing
Dimensions and weight	
Width x Height x Depth	429 x 190 x 523 mm
Weight	11,4 Kg
Environmental conditions for use	
Ambient temperature range	+10 to +40°C
Relative humidity	0% to 85%
Atmospheric pressure	620 hPa to 1060 hPa
Environmental conditions for Transport & storage	
Ambient temperature range	-20°C to +70°C
Relative humidity	0% to 95%
Atmospheric pressure	500 hPa to 1060 hPa



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#### Input power

Mains voltage	From 220V to 240Vac $\pm 10\%$ (or option from 110V to 120Vac $\pm 10\%$ )
Mains frequency	50/60 Hz
Mains power	1200 VA (95 VA in standby)
Electrical safety class	Class I

#### Output power

Duty cycle	25% (10 seconds ON /30 seconds OFF)
Continuous activation time	60 seconds max
Fundamental frequency	450 KHz
Maximal cutting power	390 W / 200 $\Omega$
Maximal coagulation power	385 W / 25 $\Omega$
Maximal vessel sealing power	145 W / 30 $\Omega$

#### Safeties

- RF power shutdown for resection electrode in short-circuit
- RF power shutdown for an excessive output power
- Automatic power adjustment according to the connected instrument
- Automatic boot cycles for cutting in saline, with power shutdown in case of failure.
- Automatic control of the cutting arc in saline
- Monitoring of sealing cycles, delivering distinctive acoustic signals for sealing results or in case of sealing failure
- Error code display for any failure detected
- Inhibition of RF output power for an unrecognized accessory
- Autotest sequence when power on
- Locking in case of 2 simultaneous actions on foot-switches