



HIGH RADIO FREQUENCY BIPOLAR UNITS

(CUT-BLEND-COAGULATION-PULSATOR WITH VARIABLE TRI IMPEDANCE)



- Neurosurgery
- Laproscopy
- Plastic surgery

- Micro surgery
- ENT surgery
- Ophthalmology

- Paediatric surgery
- Gynaecology
- Urology

Secure Sealing for Absolute Bloodless Surgery

INMED RFU-100B PLUS is an ideal device for bipolar cut, haemostasis (blend), coagulation and a unique pulsator mode with three different effects for micro and macro procedures.

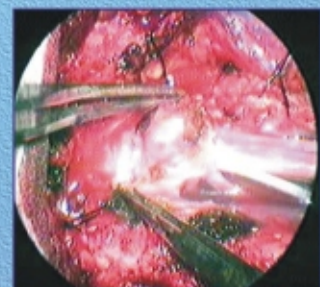
Pulsator is a unique mode to dissect & coagulate the tissue simultaneously using the same instrument thereby reducing surgery time.

Homogeneous tissue fusion occurs inside the grasped area with minimal charring and no lateral damage to the tissue.

Precise and stable output power from 0.2 W to 100 W (Micro and Macro coagulation) with different modes and three effects to work in various situations to seal small to big vessels. It actually fuses the vessel walls together and closes the lumen avoiding ligatures or dislodgement of the clips. Foreign body material left behind thus can be avoided.

The RFU-100B PLUS is a state-of-the-art technology device using intelligent on-board microprocessor, spill-proof tactile keyboard and bright digital displays.

- 2 MHz HIGH RADIO FREQUENCY quartz stabilized sinusoidal wave output power, reduces the occurrence of tissue sticking to forceps.
- Linear output power using PWM & MOSFET technology to handle upto 20% voltage and frequency (50 or 60 Hz) fluctuation.
- Microprocessor controlled power output with display of power having 1 Watt resolution.
- Micro mode in coagulation upto 10 Watt in steps of 0.2 Watt for excellent performance during microsurgery.
- Tactile keypad for different settings.
- Four modes: cut, haemostasis, coagulation and pulsator.
- Three tissue effects: 1,2 and 3 (soft, medium and hard).
- Pulsator mode minimizes need for multiple applications.
- user-selectable haemostasis for blending during the cut.
- Programmable memory of 3 levels of output power for cut and coagulation and also last used power recall when switched on.





- Microprocessor controlled 2 MHz quartz stabilized coagulator with 0 to 40 Watt output
- Digital display of power output with 0.2 Watt resolution
- Advanced R-Core transformer technology
- Compact, portable, lightweight and rugged

Bipolar Coagulator RFU-40B

Accessories:

- Bipolar cable and insulated forceps
- Sleek and ergonomic footswitch with a 3 meter wire cord
- 3 meter long moulded power cord

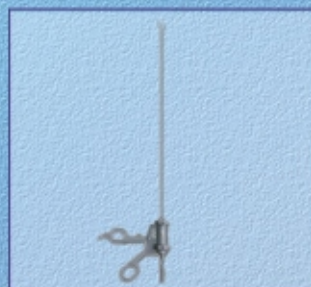
Optional Accessories:

- High quality bayonet & straight forceps (different sizes & irrigation)
- Laparoscopic bipolar instruments (scissors, maryland & different types of graspers)
- High quality bipolar scissors and bi-clamp

IRRIGATION SYSTEM:

The INMED bipolar units can also be equipped with the irrigation unit.

The Irrigation unit is used to wash away blood from the bleeding sites. The precise dose of irrigation moistens the tissue and protects the application area from overheating. The coagulation along with irrigation is carried out without charring resulting in negligible tissue trauma or shrinkage and avoids sticking of tissue to the instruments.



Technical Specifications

	RFU-100B PLUS	RFU-40B
Input Supply	180 V To 260 V AC, 50 Hz	180 V To 260 V AC, 50 Hz
Input Fuse	F 2 A	F 0.4 A
Input Power	300 Watt	60 Watt
Radio Frequency Output Power	100 Watt at 100-300 Ohm	40 Watt at 100 Ohm
Operating Frequency	2 MHz High Radio Frequency	2 MHz High Radio Frequency
Resolution of Cut	0 to 100 Watt in steps of 1 watt	Nil
Resolution of Coagulation	0 to 10 Watt in steps of 0.2 Watt 10 to 100 Watt in steps of 1 Watt	0 to 40 Watt in steps of 0.2 Watt
Resolution of Haemostasis	10 % To 90% in Steps Of 10%	Nil
Resolution of Pulsator	0 to 65 Watt in Steps of 5 Watt	Nil
Programmable Memory	3 Power Settings for Cut and Coag.	3 Power Settings for Coag.
Power Activation Acoustic Signal	Different Tune for Cut - Coagulation - Pulsator	Continuous Tone
Power Activation Visual Signal	LED	LED
Size	250 mm X 130 mm X 340 mm	170 mm X 90 mm X 260 mm
Weight	7.5 Kg	2.7 Kg
Quality Standard	IEC 60601-1	IEC 60601-1



ISO 13485:2008 WHO GMP



Manufactured by:

INMED EQUIPMENTS PVT. LTD.

Works/Sales Office : A-1, Kailash Park, Behind Akota Atithi Gruh, Akota, Vadodara - 390 020. INDIA. Tel : +91 265 2322868, +91 265 3296451

Regd Office : 21-C, Vinit Park Society, Mangleshwar Mahadev Road, Manjalpur, Vadodara - 390 011. INDIA. Tel : +91 265 2660244

Branch Office : 710, Linking Road, Khar, Mumbai - 400 052. INDIA
Tel : +91 22 26498817, Fax : +91 22 26040756

E-mail : inmed@satyam.net.in, info@inmedequipments.com
Visit us : www.inmedequipments.com & www.inmed.in

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