

TECHNICAL SPECIFICATIONS FOR ELECTRO SURGICAL DIATHERMY UNIT with Standard Accessories

The Micro-processor based isolated electro surgical diathermy unit, compatible with Argon Coagulator system for Obgyn surgeries with monopolar and bipolar modes available.

Features

- Highest power efficiency rating – have to be within the range 98%-100%.
- Real time tissue impedance monitoring technology to deliver the selected power perfectly into a wide range of tissue types reducing thermal spread, RF interference and Neuro muscular stimulation and sparks.
- Return Electrode Contact Quality Monitoring facility. The equipment should be able to detect if the pads have been dislocated so as to prevent patient injury, should give audiovisual alarm and deactivate output if contact between patient and patient plate is not proper.
- The unit should have two hands switching and two Foot switching Monopolar outputs and foot switching bipolar output. Facilitating two surgeons at a time using in a surgery.
- Numeric Error system should be inbuilt.
- With a single button, previous power setting can be recalled.
- Type CF Equipment (IEC 601 -1 & IEC 601-2-2) Defibrillator Proof
- FDA and CE certified
- Spray mode with Highest *Crest Factor (8 -9) – (* Crest Factor as an indicator of a waveform's ability to coagulate bleeders without cutting effect.)
- Power Efficiency rating should be 98%
- There should be sufficient Coag modes to be present for all applications (Preferably 4 coag modes)
- Compatible with Smoke Evacuator system, Argon Plasma Coagulator system and CUSA

Input Power source:

Operating Range: 170-260 VAC

Line Frequency: 50-60 Hz

Minimum High Frequency Leakage

Bipolar Less than 60mA

Monopolar Less than 150mA

OUTPUT CHARACTERISTICS

Maintains the international standard

Accessories:

1. Dual Pedal Monopolar footswitches for CUT and Coag activation – 1 No.
2. Bipolar footswitch – 1 No.
3. 2 button electrosurgical hand switching pencil with BLADE electrode and with necessary connecting cable – 50 No.s
4. Patient return electrode with adaptive monitoring facilities –50 No.s
5. Bipolar forceps– 1No.s
6. Bipolar Connecting odes- 20 No.s
7. Universal active adapter for LAP and underwater cutting surgeries – 1 No.
8. Bayonet forceps 1 Nos

Warranty

The product should be given one year warranty.