



120 watts by design

► A Quick Look

- 120 watts maximum power output
- Monopolar and bipolar capable
- Coagulation and fulguration modes
- Pinpoint and spray coagulation
- Split or solid return electrodes
- Delivers consistent, repeatable power into varying load impedances.
- Defibrillator-proof type CF equipment
- Footswitch indicator on face of unit
- Dual voltage 50/60 Hz
- Does not require calibration
- Two-year manufacturer's warranty

One of the major benefits of the DRE ASG-120 is that it delivers the absolute highest level of safety and quality, but does not waste money on features you rarely use. The savings are found in the output power of 120 watts. Nearly every hospital specification on an electrosurgical generator calls for 300 watts of power. Have you ever asked yourself why you need 300 watts at all stations when it is used so infrequently? We did. It results in spending a few thousand dollars more per unit for a feature that just is not used.

The ASG-120 is a multipurpose electrosurgical generator for use in the modern physician's office and surgi-center. It features both monopolar and bipolar functions to satisfy all of your surgical demands with safety, flexibility, reliability, and convenience.

The ASG-120 features Cut, Blend, Coagulation, Fulguration, and Bipolar modes. It incorporates automatic safety features like self-test circuits, audible tones, discreet outputs, isolated circuitry, and Bovie NEM™ (neutral electrode monitoring).

► **Ready to Use**

We wanted to make sure that when you take the DRE ASG-120 out of the box, it will be ready to go. It includes the hospital grade power cord, user's guide, one disposable electrosurgical pencil (standard push button), three electrodes, one reusable grounding cord, and five disposable split grounding pads.

► **Coagulation Modes**

The DRE ASG-120 offers two modes of coagulation: Coagulation and Fulguration. Coagulation (pinpoint) provides precise control of bleeding in localized areas. Fulguration (spray) provides greater control of bleeding in highly vascular tissues over broad surface areas.

► **Designed for Safety**

Electrosurgical safety is a combination of good equipment design and safe surgical practices. The ASG-120, as part of this combination, represents state-of-the-art design using the latest digital components. The ASG-120 also self-test circuits, audible tones, discreet outputs, and isolated output circuitry.

BovieNEM™ means safety is digitally designed inside. The FCFST™ (first come first served) discrete output design of the ASG-120 enhances safety by allowing only one output to be activated at any given time. This feature assures that only the device you first activate will be an active device. Secondary commands will not override the first command. As an example: while the monopolar foot controlled output is activated, all handswitching is inactive, as well as the bipolar footswitch capability. For additional safety this unit has totally separate bipolar controls, discrete output, dispersive electrode fault alarms in both sensing and non-sensing modes, and is designed with an isolated RF output.

► **Digital Error Detection**

Digital error detection means unsurpassed safety for the surgeon, O.R. staff, and patient. The ASG-120 constantly monitors every aspect of its output. At the sign of any problem the machine instantly disables the output and displays the appropriate error code on the display.

► **Built to the Required Standards**

The ASG-120 has passed the following safety standards: CSA C22.2 NO 601.1-M90, UL 2601-1-UL, IEC 60601-2-2 (1998-09), CENELEC EN 60601-1, CENELEC EN 60601-1-2, CENELEC EN 60601-2-2, FCC PART 15 Class A.

► **DRE ASG-120 SPECIFICATIONS**

General

- Classification Class 1 Equipment, IEC 60601-1
- Type BF (Defibrillator Proof)
- Spillage Protection Drip Proof (IEC 60601-2-2)
- Output Configuration Isolated (RF Floating)
- Cooling Natural Convection, No Fan

Dimensions and Weight

- Width 26 cm (10.25 in.)
- Height 15.2 cm (6.00 in.)
- Depth 30.5 cm (12.00 in.)
- Weight < 6.5 kg (< 14 lbs)

Output Power

- Cut 120 W @ 500 Ω
- Blend 90 W @ 800 Ω
- Pinpoint 80 W @ 1000 Ω
- Spray 40 W @ 1000 Ω
- Bipolar 30 W @ 200 Ω
- Duty Cycle 10 S / 30 S
- Output Frequency 490 kHz ± 5
- Input Current 4.5 A ~
- Line Voltage 100 - 240 V ~
- Line Frequency 50-60 Hz
- Warranty Two Years