



# Pay for **only** the power **you** need.

The DRE ASG-200 is a multipurpose electrosurgical generator for use in the modern operating room and surgi-center. It features both monopolar and bipolar functions to satisfy all of your surgical demands with safety, flexibility, reliability, and convenience.

## ► A Quick Look

- 200 watts maximum power output
- Monopolar and bipolar capable
- 10 blend settings
- 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 indication on face of unit
- Dual voltage 50/60 Hz
- Does not require calibration
- Two-year manufacturer's warranty

## Ten Blend Settings

You don't have to settle for one or two blend modes anymore. With the ASG-200 you have ten different blend settings plus cut, all with 200 watts maximum power output for the most demanding procedures.

## Two Modes of Monopolar Coagulation

Coagulation (120 watts maximum power) and Fulguration (80 watts maximum power), plus Bipolar (80 watts maximum power).

## Digital Power Control

In addition, the ASG-200 delivers consistent, repeatable power into varying load impedances, with BovieFDFS™ (Fast Digital Feedback System), thereby greatly reducing the need for changing the power setting to obtain the desired surgical effect.

► **Why 200 Watts instead of 300?**

Nearly every hospital specification on an electrosurgical generator calls for 300 watts of power but in reality 300 watts is needed very infrequently. The fact is, many surgeons rarely use over 120 watts of power and it often results in spending a few thousand dollars more per unit for a feature that just is not used. The DRE ASG-200 is designed to deliver the absolute highest level of safety and quality, but not waste money on features you rarely use. One major area of savings can be found in the output power of 200 watts.

► **Ten Cutting Blend Modes**

You don't have to settle for one or two blend modes anymore. With digital technology, you can choose from ten different blend settings. These are clearly indicated by the LED blend indicator bar conveniently located adjacent to the blend button controls. When no LED is lit the DRE ASG-200 delivers pure cutting power. As the "up" button is pushed the bar begins to illuminate. As the illumination advances from the bottom to the top the degree of hemo-stasis will increase and cutting speed may decrease. The ASG-200 remembers its last settings; so when you turn the unit on, it performs a safety system check and automatically powers up to the last activated settings. For your convenience, the power output of the ASG-200 is calibrated in watts with large, illuminated digital displays.

► **Coagulation Modes...**

The DRE ASG-200 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-200, as part of this combination, represents state-of-the-art design using the latest digital components. The ASG-200 also self-test circuits, audible tones, discreet outputs, and isolated output circuitry.

BovieNEM™ means safety is digitally designed inside. The FCFS™ (first come first served) discrete output design of the ASG-200 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-200 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-200 has passed the following safety standards: CSA C22.2 NO 601.1-M90, UL 2601-1-UL, IEC 60601-2-2, CENELEC EN 60601-1-2, FCC PART 15 Class A.

**DRE ASG-200 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 31.1 cm (12.3")
- Height 15.3 cm (6.0")
- Depth 41.3 cm (16.3")
- Weight < 8.8 kg (< 19 lbs.)

**Output Power**

- Cut 200 W @ 300 Ω
- Blend 200 W @ 300 Ω
- Pinpoint 120 W @ 500 Ω
- Spray 80 W @ 500 Ω
- Bipolar 80 W @ 150 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