

# 120 watts by design



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.

## Features:

- 120 watts maximum power output
- Cut, Blend, Coagulation, Fulguration, and Bipolar modes
- Automatic safety features like self-test circuits, audible tones, discreet outputs, isolated circuitry, and Bovie NEM™ (neutral electrode monitoring)
- 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
- Includes 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
- Two-year manufacturer's warranty

### Coagulation Modes

The 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 FCFS™ (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.

### Also available!

**ASG-200:** Cut (200 watts), Blend (200 watts), Pinpoint (120 watts), Spray (80 watts), Bipolar (30 watts)

**ASG-300:** Cut (300 watts), Blend (120 watts), Pinpoint (120 watts), Spray (80 watts), Bipolar (80 watts)

### 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

