Bovie® Electrosurgery
For the Office and Surgi-center

The Aaron 1250™…Innovative Excellence by Bovie®

The Aaron 1250™ by Bovie 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 Aaron 1250™ incorporates 120 watts of cutting power and 90 watts of blended cutting. It also has two levels of coagulation, pinpoint (80 watts maximum power) and fulguration (40 watts maximum power), plus bipolar (30 watts maximum power).

Technical Specifications...

Dimensions:
- Height: 15.2 cm (6.00 in.)
- Width: 26 cm (10.25 in.)
- Depth: 30.5 cm (12.00 in.)
- Weight: < 4 kg (~ 9 lbs)

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

Input Characteristics: 100 - 240 VAC ± 10%

Output Characteristics:
- Monopolar:
  - Cut: 120 W @ 500 Ω, 357 kHz ± 50 kHz, Rep Rate N/A
  - Blend: 90 W @ 800 Ω, 357 kHz ± 50 kHz, 30 kHz ± 5 kHz
  - Coagulation: 80 W @ 1000 Ω, 475 kHz ± 19 kHz, 57 kHz ± 5 kHz
  - Fulguration: 40 W @ 1000 Ω, 410 kHz ± 50 kHz, 25 kHz ± 5 kHz
- Bipolar: 30 W @ 200 Ω, 535 kHz ± 29 kHz, 32 kHz ± 5 kHz
- Duty Cycle: 10 seconds on / 30 seconds off for one hour

Distributed By:
Bovie Medical
5115 Ulmerton Road
Clearwater, FL 33760-4004, USA
1-800-537-2790 • +1-727-384-2323 Phone
1-800-323-1640 • +1-727-347-9144 Fax
www.boviemed.com
In the Beginning…

Bovie’s major goal in designing the Aaron 1250 was 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 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. By calling for the Aaron 1250 in most of the surgical suites, you can save a significant amount of money.

Coagulation Modes…

The Aaron 1250 offers two levels of coagulation: pinpoint and fulguration. Pinpoint coagulation provides precise control of bleeding in localized areas. Fulguration (spray) coagulation provides greater control of bleeding in highly vascular tissues over broad surface areas.

Ready to Use…

We wanted to make sure that when you take the Aaron 1250 out of the box, it will be ready to go. It includes the Aaron 1250, 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. See back for photos of these accessories.

Designed for Safety…

Electrosurgical safety is a combination of good equipment design and safe surgical practices. The Aaron 1250, as part of this combination, represents state-of-the-art design using the latest in digital technology. Bovie incorporates automatic safety systems into the Aaron 1250 like self-test circuits, audible tones, and isolated output circuitry.

BovieNEM™ and BovieGuard™ mean safety is digitally designed inside. The FCFS™ (first come, first served) discrete output design of the Aaron 1250 enhances safety by allowing only one output to be activated at any given time. This feature ensures that only the device you first activate will be an active device. Secondary commands will not override the first command. For instance, 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. With the combination of isolated power output, BovieNEM™, Bovie FCFS™ technology, and the constant digital monitoring of all functions, the Aaron 1250 incorporates one of the safest electrosurgical systems available. The doctor’s responsibility is simply to follow safe electrosurgical practices to ensure his safety and the safety of the O.R. staff and patient.

Digital Error Detection…

Digital error detection means unsurpassed safety for the surgeon, O.R. staff, and patient. The Aaron 1250 constantly monitors all functions to ensure proper performance. 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 Aaron 1250 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
- CSA C22.2 NO 60061-1-2 (1998-09), CENELEC EN 60061-1-2
- CENELEC EN 60061-2-2, FCC PART 15 Class A.

The Goal…

We wanted to give the surgeon a multipurpose electrosurgical generator for use in the modern physician’s office or surg-center. It needed to feature both monopolar and bipolar functions to satisfy all of his surgical demands with safety, flexibility, reliability, and convenience. This needed to be accomplished with today’s economy in mind.

The Result…

The Aaron 1250™ by Bovie.