Passionate about your practice and operations

The best is not good enough. Because beyond it lie new discoveries and new solutions. With the ARC 100, the compact solution for your practice and operations, you can benefit from the experience and expertise of BOWA ARC electrosurgical hospital systems, reduced to meet the requirements of outpatient applications. As a compact member of the ARC family, the ARC 100 links practicability and performance with intuitive operation.
Monopolar and bipolar electrosurgery in one compact solution

The ARC 100 is a compact solution that is best equipped for all the requirements of both outpatient and small operations. With 100 watt output power in all modes, it is ideal for a wide range of uses.

**Ideal areas of use for the ARC 100 in HF surgery:**
- General, visceral, thoracic, and pediatric surgery
- Gynecology
- Cardiac surgery
- ENT
- Neurosurgery
- Plastic and esthetic surgery
- Maxillofacial surgery

The ARC 100, with one bipolar and one monopolar instrument connection, is the compact solution that is best equipped for all the requirements of both outpatient operations and small operations. With 100 watt output power in all modes, it is ideal for a wide range of uses.

Simply safe
Modern safety functions – such as EASY neutral electrode monitoring – guarantee 100% safety in use.

Compact yet versatile
The ARC 100 with its 100 watts of output power has five tissue effects: two monopolar cutting functions, two monopolar coagulation functions and one bipolar coagulation function.

All modes can be activated using the foot switch. For monopolar cutting and coagulation, activation is also available through the handle.

Always intuitive
Keep your eye on everything with the ARC 100. All of the tissue effects and power settings are selected intuitively at the touch of a button. The selected mode and the selected power are shown at all times using illuminated indicators.

**Cutting current types**
- Pure CUT – for pure cuts without hemostatis
- Dry CUT – cuts with a strong hemostatic effect ("blend")

**Coagulation current types**
- Moderate coagulation – Soft desiccation of the tissue
- Forced coagulation – Fulguration of the tissue

**Bipolar COAG**
- Bipolar coagulation using bipolar instruments e.g. forceps.
Precise monopolar cutting and effective coagulation
The 100 W power output and the tissue effect can be finely adjusted for all modes in 10 steps using the up and down buttons.

For monopolar cutting, the modes smooth cutting (Pure CUT) and dry cutting (Dry CUT) are available. Using Dry CUT, deeper coagulation effects are achieved in cutting thanks to a larger arc.

For monopolar coagulation, the modes Moderate and Forced are available. Moderate provides lower carbonization and coagulation with an increased penetration depth. The choice of Forced Coag is ideal for rapid and effective hemostasis with a simultaneous reduced penetration depth in the tissue.

Of course, numerous standard commercial monopolar and bipolar instrument cables can be connected to the socket of the ARC 100.

All monopolar modes can be activated using the foot switch and using the finger switch on the handle.

Perfect bipolar coagulation
Bipolar COAG allows precise coagulation of tissue using a bipolar instrument, e.g. bipolar forceps. No neutral electrode is required for using bipolar coagulation. It is activated by means of the foot switch of the ARC 100.

2-in-1: Two instruments in one socket
The multi-functional socket for the simultaneous connection of one bipolar and one monopolar instrument gives the user of the ARC 100 two advantages: the compact attachment provides maximum functionality at a minimal size, and makes the ARC 100 one of the most economical.

electro-surgical systems in the 100-watt class, because one cable is available, which unites both standards, to connect combinations of instruments such as a handle with an electrode and a bipolar forceps.
ARC 100 – SIMPLE TO OPERATE

**Power setting**
The ARC 100 provides a maximum power output of 100 W in all modes. It thus has a range of power to meet every requirement in the outpatient area.

The power output can be adjusted quickly and easily in 10-watt steps using a fingertip. The display is always visible and, thanks to the bar display, assists in the rapid detection of the selected output power.

**Foot-switch assignment**
At the touch of a button, all of the functions of the ARC 100 can be assigned to the foot switch. The mode currently activated is always in sight thanks to the illuminated displays. The special foot switch for the ARC 100 has a side stop to the left and right of the pedal, thus allowing ergonomic working and sightless orientation with the foot.

**Compact, hygienic design**
The compact multi-functional socket means a compact and space-saving structure for the ARC 100. The housing and user front have a wipe-clean surface and can be treated using standard commercial surface disinfectants.

**EASY neutral electrode monitoring**
Thanks to the EASY function, the ARC 100 recognizes by contact whether a split or unsplit electrode is connected. Split electrodes allow monitoring the contact quality of the neutral electrode on the patient. The monitoring system provides an immediate acoustic and visual warning if there is insufficient skin contact with the connected electrode, thus preventing unintentional burning.

BOWA essentially recommends the use of split disposable neutral electrodes to prevent injury to patients through burns and for reasons of hygiene.
ARC 100 – GET GOING WITH THE EXTENSIVE COMPLETE PACKAGE

JackKNIFE, 2 buttons, shaft 2.4 mm, to 3-pin, cable 4.5 m

Single neutral electrode cable, international (NON-REM), 4.5 m

Electrode container complete with tray, lid and 12 standard electrodes, shaft 2.4 mm in diameter

ARC 100 electro-surgical device

Single-pedal foot switch for ARC 100, cable 4 m

Bipolar forceps cable, 4.5 m

Bipolar forceps, straight, 195 mm, 8 mm x 1 mm

Bipolar forceps, straight, 195 mm, 8 mm x 1 mm

Neutral electrode, 70 cm², split, EASY (100 pieces)

Neutral electrode, 70 cm², split, EASY (100 pieces)
### ARC 100 – COMPLETE SET (901-125)

<table>
<thead>
<tr>
<th>Component</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 100 Electrosurgical device</td>
<td>900-100</td>
</tr>
<tr>
<td>Accessory pack (901-126)</td>
<td></td>
</tr>
<tr>
<td>Electrode container, complete with tray, lid and 12 standard electrodes, shaft 2.4 mm diameter</td>
<td>530-000</td>
</tr>
<tr>
<td>JackKNIFE, 2 buttons, shaft 2.4 mm, to 3-pin, cable 4.5 m</td>
<td>220-045</td>
</tr>
<tr>
<td>Neutral electrode, 70 cm², split, EASY (100 pieces)</td>
<td>816-072</td>
</tr>
<tr>
<td>Single neutral electrode cable, international (NON-REM), 4.5 m</td>
<td>386-050</td>
</tr>
<tr>
<td>Bipolar forceps, straight, 195 mm, 8 mm x 1 mm</td>
<td>605-040</td>
</tr>
<tr>
<td>Bipolar forceps cable, 4.5 m</td>
<td>287-040</td>
</tr>
<tr>
<td>Single-pedal foot switch for ARC 100, cable 4 m</td>
<td>901-012</td>
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</tbody>
</table>

### ARC 100 – OPTIONAL ACCESSORIES

<table>
<thead>
<tr>
<th>Component</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>JackKNIFE, 2 buttons, shaft 2.4 mm, with cable for bipolar forceps to ARC 100, length 4 m</td>
<td>220-345</td>
</tr>
<tr>
<td>Cable, rubber international neutral electrode, 4.5 m</td>
<td>385-050</td>
</tr>
<tr>
<td>Rubber neutral electrode, 150 x 80 mm, international</td>
<td>232-003</td>
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<tr>
<td>Rubber band with button-fastener, 100 cm, latex free</td>
<td>194-100</td>
</tr>
</tbody>
</table>

### Technical information on the ARC 100

- **Voltage range/mains frequency**: 100 – 260 V / 50 – 60 Hz
- **Output frequency**: 500 kHz
- **Mains power / mains fuse**: 1.6 – 0.7 A / T 3.15 A
- **Power consumption on standby/max.**: 30/160 VA
- **Width x height x depth**: 280 x 114 x 310 mm
- **Weight**: 5.6 kg
- **Classification under EC Directive 93/42/EEC**: II b
- **Protection class under EN 60601-1 / Type I / CF**: 1/0/F
- **Identifying mark**: CE0123
- **Protection class under EN 60601-1 / Type I / CF**: 1/0/F
- **Identifying mark**: CE0123
- **Monopolar CUT**: 100 W
- **Monopolar COAG**: 100 W
- **Bipolar COAG**: 100 W
- **Power setting**: 10 levels
- **Connections**: 2 instruments (1 x monopolar, 1 x bipolar)
- **Neutral electrode monitoring**: EASY automatic recognition and monitoring of split and unsplit neutral electrodes
- **Volume control**: Smooth using rotary knob
- **Foot switch**: Single-pedal foot switch for all modes
- **Cutting current types**: Pure CUT – for pure cutting without hemostasis, Dry CUT – Cutting with strong hemostasis
- **Coagulation current types**: Moderate coagulation – Soft desiccation of the tissue, Forced coagulation – Fulguration of the tissue
- **Bipolar COAG**: Bipolar coagulation using bipolar instruments, e.g. forceps
- **ARC 100**: 900-100
- **Accessory set (excluding ARC 100)**: 901-126
- **Complete pack (including ARC 100)**: 901-125

Further accessory parts can be found in the BOWA accessory catalog and at www.bowa-medical.de.