RFP-100A
RF Puncture Generator

CONTROLLED TISSUE PUNCTURE USING RADIOFREQUENCY ENERGY
**RF PUNCTURE vs. RF ABLATION**

High impedance conditions are key to create a precise puncture in tissue, with minimal surrounding damage. The RFP Generator is designed to function at high impedance, whereas a typical RFA Generator is not.

<table>
<thead>
<tr>
<th>Objective</th>
<th>To create a small opening in tissue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occurs under these conditions</td>
<td>Low power (5-25 watts)</td>
</tr>
<tr>
<td></td>
<td>Short duration (1-3 seconds)</td>
</tr>
<tr>
<td></td>
<td>High voltage (270-400V)</td>
</tr>
<tr>
<td>Impedance range</td>
<td>2000-6000 Ω</td>
</tr>
<tr>
<td>Minimal collateral damage to surrounding tissue</td>
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<table>
<thead>
<tr>
<th>Objective</th>
<th>To create a lesion to destroy electrically conductive tissue</th>
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<tbody>
<tr>
<td>Occur under these conditions</td>
<td>High power (30-50 watts)</td>
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<tr>
<td></td>
<td>Long duration (60-90 seconds)</td>
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<tr>
<td></td>
<td>Low voltage (35-50V)</td>
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<tr>
<td>Impedance range</td>
<td>150-300 Ω</td>
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<tr>
<td>Thermal destruction of surrounding tissue</td>
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</tbody>
</table>

**Features**

- **AC power indicator**
- **Right soft-touch keys for parameter adjustments**
- **Left soft-touch keys for parameter adjustments**
- **Large LCD message window**
- **Return electrode fault indicator**
- **USB port (side) for up to 20 treatment data recordings**
- **Return electrode connector**
- **Ambient light sensor**
- **Luminous RF ON/OFF button and indicator**
- **Connector cable connection**

**Custom RF Settings**

- **Pulse Mode**: 300ms Pulsed RF delivery per second
- **Constant Mode**: Continuous RF delivery

**Intelligent Interface**


1. **STANDBY**
   - Connect grounding pad and connector cable.
   - Generator automatically recognizes devices and makes available only appropriate modes.

2. **READY**
   - With all components connected, select desired Time and Cut settings. Using footswitch or RF ON button, initiate RF.

3. **RF ON**
   - Once RF ON button is pressed, generator enters "RF ON" state. Elapsed time is displayed during RF delivery. Screen will maintain until RF delivery concluded.


**RFP-100A RF Puncture Generator†**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>RFP-100A</th>
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| RF Energy      | 468 kHz, Sinusoidal  
Maximum output power of 50 W |
| Duty Cycle     | Durations from 300 or 1000 ms ± 5 ms |
| Count-up Timer | Settable from 1-10 seconds (Device dependent)  
Display resolution: 1 second |
| Dimensions     | Width: 11.25 inches (28.5 cm)  
Length: 15.6 inches (39.6 cm)  
Height: 7 inches (17.8 cm) |
| Weight         | 20 lb. (9.1 kg) |
| Input Voltage  | 100-240 VAC |
| Current Rating | 5.0A, 50-60 Hz |
| Power Cord Length | 10 ft |

*WARNING: The RFP-100A RF Puncture Generator is designed and intended for use with devices designed by Baylis Medical Company*

**MULTI-PLATFORM DESIGN FOR MAXIMAL HOSPITAL VALUE**

- **NRG® Transseptal Needle**
  - The NRG® Transseptal Needle is uniquely designed to assist the physician in gaining access to the left atrium.

- **SupraCross® RF Solution**
  - When the conventional solution may not be optimal, use SupraCross® RF Solution to gain alternate access into the left atrium.

- **PowerWire® RF Guidewire**
  - The PowerWire® RF Guidewire is used to cross lesions in occluded blood vessels that are difficult to cross with a standard guidewire. *

- **Nykanen RF Wire**
  - The Nykanen RF Wire is designed to create a controlled puncture in tissue.

- **VersaCross® RF Transseptal Solution**
  - The VersaCross® RF Transseptal Solution offers all-in-one versatility for transseptal and beyond in a single device.

† Baylis Medical Company Radiofrequency Puncture Generator RFP-100A

* The PowerWire® RF Guidewire is cleared by FDA to create a channel in totally occluded peripheral vessels 3 mm or greater.

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