RF Puncture System

Nykanen RF Wire
NRG® Transseptal Needle
PowerWire® RF Guidewire
RF Puncture System
ONE GENERATOR, FOUR PRODUCTS, MULTIPLE APPLICATIONS

Nykanen RF Wire
- Has been used most commonly in cases of:
  - Pulmonary Atresia
  - Hypoplastic Left Heart Syndrome
- Exchange-length 0.024” guidewire
- Active atraumatic tip
  - Diameter: 0.016”
  - Length: 1.5 mm

ProTrack™ Microcatheter
- The ProTrack™ Microcatheter can be used to:
  - Facilitate access to tortuous distal vasculature
  - Deliver contrast or therapeutic agents
  - Exchange guidewires
  - Available in 2.7F and 2.9F
  - Excellent trackability and infusion rates

NRG® Transseptal Needle
- The NRG® Transseptal Needle enables controlled transseptal puncture across all types of septa
- RF Puncture (RFP) technology reduces the need for excessive tenting, making it ideal for smaller anatomy
- Available in 56 cm and 71 cm
- Radiopaque tip for precise positioning

PowerWire® RF Guidewire
- The PowerWire® RF Guidewire is a 0.035”, exchange-length guidewire that uses RFP technology to cross occluded peripheral vessels that are difficult to cross with a conventional guidewire.
- 6 tip configurations:
  - 3 straight-tip configurations
  - 3 angled-tip configurations
  - 20, 30, or 40 degree curves
RF Puncture System

Nykanen RF Wire

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Outer Diameter</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFP-265*</td>
<td>0.024&quot;</td>
<td>265 cm</td>
</tr>
<tr>
<td>RFK-265**</td>
<td>0.024&quot;</td>
<td>265 cm</td>
</tr>
</tbody>
</table>

* For use with RFP-100 generators.
** For use with RFP-100A generators.

ProTrack™ Microcatheter

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Maximum recommended pressure 250 psi***</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>Outer Diameter</td>
</tr>
<tr>
<td>CIC 35-145</td>
<td>0.035&quot;/2.7F</td>
</tr>
<tr>
<td>CIC 38-145</td>
<td>0.038&quot;/2.9F</td>
</tr>
</tbody>
</table>

*** Flow rate of 2.7 mL/s at 37°C, with Mallinckrodt MD76 contrast in 50/50 solution with 0.9% saline.

NRG® Transseptal Needle

<table>
<thead>
<tr>
<th>Product Code†</th>
<th>Curve</th>
<th>RF Needle Length</th>
<th>Compatible Transseptal Sheaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRG-E-56 -32-C0‡</td>
<td>Curve C0</td>
<td>56 cm</td>
<td>6F Small anatomy Fixed Curve — 48 cm</td>
</tr>
<tr>
<td>NRG-E-HF-71-C0</td>
<td>Curve C0</td>
<td>71 cm</td>
<td>8F or 8.5F Fixed Curve — 63 cm</td>
</tr>
<tr>
<td>NRG-E-HF-71-C1</td>
<td>Curve C1</td>
<td>71 cm</td>
<td>8F or 8.5F Fixed Curve — 63 cm</td>
</tr>
</tbody>
</table>

† NRG® models shown are compatible with RFP-100A generators; for compatibility with RFP-100 generators, use with BMC Connector Cable RFP-103.
‡ Compatible with 0.032" dilator systems; Proximal Gauge 19 ga; Distal Gauge 22 ga.

PowerWire® RF Guidewire§

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Tip Strength (g)</th>
<th>Tip Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWK35-250-08-6S</td>
<td>PowerWire® RF Guidewire 50 Straight</td>
<td>50</td>
<td>Straight</td>
</tr>
<tr>
<td>EWK35-250-10-6S</td>
<td>PowerWire® RF Guidewire 75 Straight</td>
<td>75</td>
<td>Straight</td>
</tr>
<tr>
<td>EWK35-250-12-6S</td>
<td>PowerWire® RF Guidewire 110 Straight</td>
<td>110</td>
<td>Straight</td>
</tr>
<tr>
<td>EWK35-250-12-6A-20-05</td>
<td>PowerWire® RF Guidewire 110 Angled 20°</td>
<td>110</td>
<td>Angled 20°</td>
</tr>
<tr>
<td>EWK35-250-12-6A-30-05</td>
<td>PowerWire® RF Guidewire 110 Angled 30°</td>
<td>110</td>
<td>Angled 30°</td>
</tr>
<tr>
<td>EWK35-250-12-6A-40-12</td>
<td>PowerWire® RF Guidewire 110 Angled 40° (Gradual)</td>
<td>110</td>
<td>Angled 40°</td>
</tr>
</tbody>
</table>

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

RF Puncture (RFP) Generator

Perform controlled punctures with minimal damage to surrounding tissue.

Compatible with all RFP products:
- Nykanen RF Wire
- NRG® Transseptal Needle
- PowerWire® RF Guidewire

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