**AlCath Flux eXtra Gold**

**New Dimensions in Cooling**

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### Order Information AlCath Flux eXtra Gold

<table>
<thead>
<tr>
<th>Material</th>
<th>Order Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>AlCath Flux Red G eXtra  Au</td>
<td>376 380</td>
<td>AlCath Flux Red eXtra Pt/Ir</td>
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<tr>
<td>AlCath Flux Blue G eXtra  Au</td>
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</tr>
<tr>
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<td>376 397</td>
</tr>
<tr>
<td>AlCath Flux Cyan G eXtra  Au</td>
<td>376 385</td>
<td>AlCath Flux Cyan eXtra Pt/Ir</td>
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</tbody>
</table>

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### Patient Cable Length

- **Red**: 65 mm, Reach 1: 10 mm
- **Blue**: 75 mm, Reach 1: 15 mm
- **Green**: 85 mm, Reach 1: 20 mm
- **Black**: 95 mm, Reach 1: 25 mm
- **Cyan**: 105 mm, Reach 1: 30 mm

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**More than additional holes**

- Unique and innovative tip design for uniform cooling
- Validated gold-tip ablation concept for proven patient safety
- Optimal positioning with FullCircle deflection

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**Conventional six-hole irrigation**

- Irrigation only at distal part of the tip electrode
- Significant gaps in cooling

**AlCath Flux eXtra Gold irrigation**

- Uniform cooling in all directions
- Optimal cooling at any given anatomical position
- Optimal safety, especially at the tip electrode shaft transition

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*Pictures were taken under similar conditions and settings.*
AlCath Flux eXtra Gold

BIOTRONIK has an unsurpassed legacy of quality and innovation. Our new irrigated ablation catheter incorporates the validated gold-tip concept which has proven to significantly reduce thrombus formation. The FullCircle deflection allows for more effective ablation site access. The unique X-shaped design increases the cooling surface within the tip by 33% for uniform cooling. Innovative solutions. Quality design. That’s the foundation for “excellence for life.”

FullCircle
270° deflection

“FullCircle deflection allows me to precisely reach even the most challenging anatomical positions to increase the effectiveness of procedures.”
Dr. med. Georg Nölker, Heart and Diabetes Center NRW, Ruhr University of Bochum, Germany

Gold-tip ablation

- Higher thermal conductivity resulting in greater convective cooling
- Irrigated gold-tip catheters show significant reduction of thrombus incidence and size
- Gold-tip electrodes stay significantly cooler and require much less cooling flow

Advantages of 4x higher thermal conductivity
"Compared to Platinum electrode, Gold electrode reduced the incidence (and size) of thrombus during saline irrigated RF ablation."
Hiroshi Nakagawa, MD Ph.D., University of Oklahoma, USA

Gold-tip electrodes stay significantly cooler and require much less cooling flow

Increased number, enhanced shape
12 irrigation holes arranged in a 3D design

Proximal holes are directed to the critical electrode shaft transition where electrode heating reaches its maximum

High thermal conductivity resulting in greater convective cooling

Irrigated gold-tip catheters show significant reduction of thrombus incidence and size

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Proximal holes are directed to the critical electrode shaft transition to prevent charring

FullCircle cooling surface

3.5 mm gold-tip electrode (cross-section scale 1:15)

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3.5 mm gold-tip electrode
cross-section scale 1:15

Feathered FullCircle

Anatomically optimized curve geometry for the necessary flexibility in the full spectrum of clinical challenges

Precise catheter positioning through AutoLock push-pull steering

Optimal maneuverability through TorsionDirect motion transfer

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eXtra design

- 12 holes arranged in 3D level design for optimal irrigation distribution
- X drilling increases the cooling surface within the tip electrode by 33.7%
- Proximal holes specifically address the electrode shaft transition to prevent charring

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**AlCath Flux eXtra Gold irrigation**

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- **Optimal cooling at any given anatomical position**
- **Optimal safety, especially at the tip electrode shaft transition**

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<td>AlCath Flux Silver</td>
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<td>AlCath Flux White</td>
<td>376 384</td>
<td>AlCath Flux Yellow</td>
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**Tip electrode size 1.5 mm, FullCircle deflection**

**Order Information**

- **Distributor:** BIOTRONIK SE & Co. KG
  
  **Address:** Woermannkehre 1
  **City:** 12359 Berlin · Germany
  
  **Phone:** +49 (0) 30 68905-0
  **Fax:** +49 (0) 30 68905-0
  **Email:** sales@biotronik.com
  **Website:** www.biotronik.com

- **Manufacturer:** VascoMed GmbH
  
  **Address:** Hertzallee 1
  **City:** 79589 Binzen · Germany

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**More than additional holes**

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- **Validated gold-tip ablation concept for proven patient safety**
- **Optimal positioning with FullCircle deflection**

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**AlCath Flux eXtra Gold**

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- **Irrigation only at distal part of the tip electrode**
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*Pictures were taken under similar conditions and settings*
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<td>80 mm</td>
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