### Specifications for the FlushKnife disposable high-frequency knife

<table>
<thead>
<tr>
<th>Type</th>
<th>Protruding needle length</th>
<th>Forceps channel diameter</th>
<th>Working length</th>
</tr>
</thead>
<tbody>
<tr>
<td>DK2618.JN10</td>
<td>1.0mm</td>
<td>2.8mm</td>
<td>1800mm</td>
</tr>
<tr>
<td>DK2618.JN15</td>
<td>1.5mm</td>
<td>2.8mm</td>
<td>1800mm</td>
</tr>
<tr>
<td>DK2618.JN20</td>
<td>2.0mm</td>
<td>2.8mm</td>
<td>1800mm</td>
</tr>
<tr>
<td>DK2618.JN25</td>
<td>2.5mm</td>
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<td>1800mm</td>
</tr>
<tr>
<td>DK2618.JN30</td>
<td>3.0mm</td>
<td>2.8mm</td>
<td>1800mm</td>
</tr>
</tbody>
</table>

### Specifications

- **Performance or Indications:**
  This product is indicated for use in endoscopic treatment including cutting, resection, incision, and dissection of tissue and delivery of water.

- **Devices used with this product:**
  This product is recommended to use with an upper or lower gastrointesital endoscope with a minimum forceps channel of 2.8mm.

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Due to a continuous process of product improvement, Pricing, design and specifications subject to change without notice.
Endoscopic Submucosal Dissection

FlushKnife, a disposable high-frequency knife, comes in different protruding knife lengths. The water jet system cleans tissue off the tip as needed, thereby maintaining the sharpness of the knife.

ESD has been drawing attention as a less invasive treatment for patients. Designed for safer ESD, FlushKnife features a conventional needle knife function and a new water jet system. This system washes off debris and tissue adhering to the tip of the knife during treatment without withdrawal of the knife from a scope and maintains the clean tip. Thus, the sharpness of the knife is maintained during incision and dissection. FlushKnife comes in five different protruding knife lengths (1 to 3 mm) in 0.5 mm increments, allowing physicians to select an appropriate knife for each site for mucosal resection without damage to deep tissue.

**Water jet system**

As needed, the water jet system washes off debris and tissue adhering to the tip of the knife during treatment without withdrawal of the knife from a scope and maintains the clean tip, thereby maintaining the sharpness of the knife throughout the treatment.

**Five different protruding knife lengths**

For safer treatment, physicians can select one of five knives with different protruding lengths for a specific site rather than adjust the protruding knife length during treatment to prevent damage to deep tissue.

**Shape of the tip for greater safety**

1. The tip is designed so that accidental contact with the mucosa does not readily cause damage, ensuring greater safety.
2. Ceramic tip is used for the sheath to prevent movement of the center.
3. Graduation serves as a guide for the protruding knife length (white, 3 mm; black 2 mm).
4. The distal end of the sheath functions as a stopper to prevent damage to deep tissue during dissection.

**Examples of treatment with a FlushKnife (stomach)**

1. **Marking**
2. **Water jet**
3. **Mucosal incision**
4. **Submucosal dissection**

**High frequency settings**

ICC200: Forced coagulation 30 W
VIO300D: Forced coagulation 20 W, Effect 3

**Protruding lengths suitable for individual sites**

<table>
<thead>
<tr>
<th>Protruding length (mm)</th>
<th>Esophagus</th>
<th>Stomach</th>
<th>Colon</th>
</tr>
</thead>
<tbody>
<tr>
<td>1mm</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>1.5mm</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>2mm</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>2.5mm</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>3mm</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

**Examples of treatment (Esophagus)**