CYSTO-NEPHRO VIDEOSCOPE

CYF-VH/VHA/VHR

The World’s First HDTV Flexible Cysto-Nephro Videoscope
The world’s first High-Definition flexible cysto-nephroscope takes endoscopic imaging to the next level.

**High-Definition (HDTV)**

The ground-breaking CYF-VH is the first flexible cysto-nephroscope to provide a High-Definition image.

**NBI (Narrow Band Imaging)**

NBI with the CYF-VH/VHA/VHR is 20% brighter (compared to the previous model CYF-V2) providing enhanced visualization of capillary networks and mucosal morphology.

New design focuses on patient comfort

**New Evolutiontip**

A newly redesigned Evolutiontip which incorporates even smoother edges and focuses on patient comfort. This tip also provides an increased light output of 150% (compared to the CYF-V2).

**Variable stiffness shaft**

To minimize patient discomfort, the CYF-VH varies in stiffness along the shaft of the endoscope.

- Proximally the shaft is stiffer than the CYF-V2 to maintain control in the urethra.
- Mid/distally the shaft is more flexible to minimize pressure and discomfort on sensitive anatomy. The Olympus passive bending section allows the scope to bend even farther and minimizes damage to the scope.

**Improved bending**

The CYF-VH bending section bends 10° more with its 220° up and 130° down deflection to help doctors observe all areas of the bladder with ease.

**Large field of view**

The wide 120° field of view provides a panoramic field of view of the entire bladder from the bladder neck.
# CYSTO-NEPHRO VIDEOSCOPE

## OLYMPUS CYF-VH
## OLYMPUS CYF-VHA
## OLYMPUS CYF-VHR

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>CYF-VH/VHA/VHR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optical System</td>
<td>Field of view 120º</td>
</tr>
<tr>
<td>Direction of view</td>
<td>Forward viewing</td>
</tr>
<tr>
<td>Depth of field</td>
<td>3-50 mm</td>
</tr>
<tr>
<td>Insertion Tube</td>
<td>Distal end outer diameter 8.1 Fr (2.7 mm)</td>
</tr>
<tr>
<td>Insertion tube outer diameter</td>
<td>16.5 Fr (5.5 mm)</td>
</tr>
<tr>
<td>Working length</td>
<td>380 mm</td>
</tr>
<tr>
<td>Instrument Channel</td>
<td>Inner channel diameter 8.6 Fr (2.2 mm)</td>
</tr>
<tr>
<td>Bending Section</td>
<td>Angulation range Up 220º/Down 130º</td>
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<tr>
<td>Total Length</td>
<td>660 mm</td>
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</tbody>
</table>

### Standard Set

- CYSTO-NEPHRO VIDEOSCOPE
- Irrigation/Forceps Plug (Isolation Type) MAJ-891
- Semi-Disposable Biopsy Valve MAJ-579
- Suction Valve (CYF-VHA only) MAJ-207
- Suction Cleaning Valve (CYF-VHA only) MAJ-1077
- Channel-Opening Cleaning Brush MH-507
- Channel Cleaning Brush BW-158
- Sterilization Cap MAJ-1538

### EndoTherapy Accessories

- Hot Biopsy Forceps FD-7C-1
- Rotatable Biopsy Forceps FB-19CR-1
- Biopsy Forceps FB-19SX-1
- Biopsy Forceps FB-15C-1
- Coagulation Electrode CD-6C-1
- Grasping Forceps FG-38SX-1
- Grasping Forceps FG-53SX-1
- Electrosurgical Snare SD-7C-1/SD-18C-1
- Grasping Forceps FG-24SX-1

### Accessories

- Accessory entrance into endoscopic image

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 Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.