

COMPANY PROFILE

Founded in 2017, Happiness Works Medical is a leader in disposable endoscopes, driven by the mission to improve human health through relentless innovation. We address the urgent clinical need for disposable endoscopes by providing life-changing solutions for both clinical professionals and patients.

Our flagship product, the ZebraScope™, is China's first single use flexible ureteroscope. This innovation has positioned Happiness Works Medical at the forefront of a rapidly growing market segment.

Fueled by ambition and dedication, we have grown into a comprehensive medical device manufacturer focused on addressing clinical pain points in urology and leading the industrialization of innovative instruments. Our team of over 200 employees operates across two R&D centers and an 8,500-square-meter facility, which includes a state-of-the-art Class 100,000 cleanroom workshop. This enables us to produce over 500,000 disposable ureteroscopes annually, serving both domestic and international markets.

We foster close collaboration with clinical professionals to develop groundbreaking endoscopes that push the boundaries of what's possibilities. Our mission is advancing minimally invasive solutions for kidney stone patients.

Happiness Works Medical is dedicated to supporting medical professionals in their academic endeavors. We help them promote research and development at both domestic and international levels. Ultimately, we strive to build a platform that fosters innovation and improves global health and quality of life.

Our Mission

Advancing Minimally Invasive Solutions for
Kidney Stone Patients.



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Digital Flexible Ureteroscope for Single Use, 8.6Fr Standard

No Reprocessing
No Maintenance





Pre Sterilisation
No Cross-contamination
Economic Efficiency

Specifications

Optical System	Image Resolution	400 x 400
	Field of View	110°
	Direction of View	0°
	Depth of Field	2mm - 50mm
	Illumination Method	LED
Insertion Portion	Deflection Angle	275° up 275° down
	Outer Diameter	8.6 Fr (2.87mm)
	Length of Insertion	670/660*/650mm*
	Working Channel	3.6 Fr (1.2mm)
Dimension	Weight	185g

Order Specification

Product	Type No.			MDR-certified	Quantity
Digital Flexible Ureteroscope for Single Use	XFGC-FU-650L	XFGC-FU-660L	XFGC-FU-L	XFGC-FU-670L	1pc
	XFGC-FU-650M	XFGC-FU-660M	XFGC-FU-M	XFGC-FU-670M	1pc
	XFGC-FU-650R	XFGC-FU-660R	XFGC-FU-R	XFGC-FU-670R	1pc
Videoscope Imaging Processor (MDR-certified)	HV-200				1pc

				
Bending Radius 8mm	Passive bending	Deflection 275° up 275° down	Stereo deflection angle 12.5°	Distinctive Snake Bone Design with FlexSpring Torsion Resistance

Digital Flexible Ureteroscope for Single Use, 8.6Fr Hydrophilic Coating

Three models available to meet the surgeons' operation habits including right hand, left hand, and middle

Enable the ureteroscope with the best performance on the small IPA renal calyx stones



Hydrophilic Coating

Specifications

Optical System	Image Resolution	400 x 400
	Field of View	110°
	Direction of View	0°
	Depth of Field	2mm - 50mm
	Illumination Method	LED
Insertion Portion	Deflection Angle	275° up 275° down
	Outer Diameter	8.6 Fr (2.87mm)
	Length of Insertion	670/660*/650*/640*/540/380*mm
	Working Channel	3.6 Fr (1.2mm)
Dimension	Weight	185g

Order Specification

Product	Type No.	MDR-certified	Quantity
Digital Flexible Ureteroscope for Single Use	XFGC-FU-380LC XFGC-FU-380MC XFGC-FU-380RC	XFGC-FU-670LC	1pc
	XFGC-FU-540LC XFGC-FU-540MC XFGC-FU-540RC	XFGC-FU-670MC	1pc
	XFGC-FU-640LC XFGC-FU-640MC XFGC-FU-640RC	XFGC-FU-670RC	1pc
	XFGC-FU-650LC XFGC-FU-650MC XFGC-FU-650RC		1pc
	XFGC-FU-660LC XFGC-FU-660MC XFGC-FU-660RC		1pc
	Videoscope Imaging Processor (MDR-certified)	HV-200	



Bending Radius 8mm



Passive bending



Deflection 275° up | 275° down



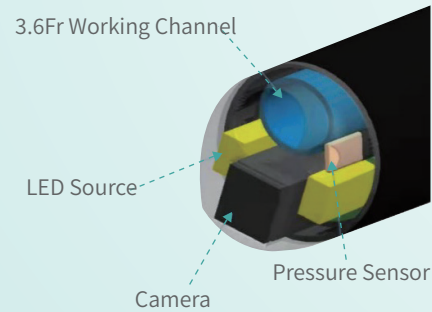
Stereo deflection angle 12.5°



Distinctive Snake Bone Design with FlexSpring Torsion Resistance

Single Use Digital Flexible Ureteroscope w/Pressure Monitoring, 8.6Fr Standard

ZebraScope™ is China's first Brand of Ureteroscope with Pressure Monitoring




Real-time intervention based on synchronized data
Reduces the risk of postoperative infections
Lowers overall healthcare costs

Specifications


Optical System	Image Resolution	400 x 400
	Field of View	110°
	Direction of View	0°
	Depth of Field	2mm - 50mm
	Illumination Method	LED
Insertion Portion	Deflection Angle	275° up 275° down
	Outer Diameter	≤8.6 Fr (2.87mm)
	Working Channel	3.6 Fr (1.2mm)
Dimension	Weight	185g

Order Specification


Product	Type No.	Length of Insertion Portion	Quantity
Single Use Digital Flexible Ureteroscope w/Pressure Monitoring	HUS-M101	670mm	1pc
	HUS-M102	660mm	1pc
	HUS-M103*	650mm	1pc
	HUS-M104*	540mm	1pc
	HUS-M105	380mm	1pc
Videoscope Imaging Processor (MDR-certified)	HV-200		1pc
Renal Pressure Monitoring Processor	HV-M200		1pc




Bending Radius 8mm




Passive bending



Deflection
275° up | 275° down



Stereo deflection
angle 12.5°



Distinctive Snake Bone Design
with FlexSpring Torsion Resistance

*Distributed in specific countries and regions

Single Use Digital Flexible Ureteroscope (7.5F)

The RESD^[1] is essential to the IRP and flow rate




^[1] Ratio of Endoscope-Sheath Diameter

Specifications

Optical System	Image Resolution	400 x 400
	Field of View	110°
	Direction of View	0°
	Depth of Field	2mm - 50mm
	Illumination Method	LED
Insertion Portion	Deflection Angle	285° up 285° down
	Outer Diameter	7.5Fr (2.5mm)
	Working Channel	3.6 Fr (1.2mm)
Dimension	Weight	192.5g

Order Specification


Product	Type No.	MDR-certified	Length of Insertion Portion	Quantity
Single Use Digital Flexible Ureteroscope (7.5F)	HUS-M101	HUS-M101R HUS-M101S	670mm	1pc
	HUS-M102	HUS-M102R HUS-M102S	660mm	1pc
	HUS-M103*		650mm	1pc
	HUS-M104*		540mm	1pc
	HUS-M105	HUS-M105R HUS-M105S	380mm	1pc
Videoscope Imaging Processor (MDR-certified)	HV-200			1pc




Bending Radius 8mm




Passive bending



Deflection
285° up | 285° down



Stereo deflection
angle 10°



Distinctive Snake Bone Design
with FlexSpring Torsion Resistance

*Distributed in specific countries and regions
*(R) reverse deflection, (S) standard deflection

Limited-Reusable Digital Flexible Ureteroscope, 8.6Fr Standard

Shortcut Button for a quick shoot, video, frame freezing, zoom in/out, and white balance

Snake-bone-covered with woven mesh
Safer for clinical use
Double security with woven mesh

Up to 5 TIMES operation




Specifications


Optical System	Image Resolution	400 x 400
	Field of View	110°
	Direction of View	0°
	Depth of Field	2mm - 50mm
	Illumination Method	LED
Insertion Portion	Deflection Angle	275° up 275° down
	Outer Diameter	≤8.6 Fr (2.87mm)
	Length of Insertion	670mm±10mm
	Working Channel	3.6 Fr (1.2mm)
Dimension	Weight	298g

Order Specification


Product	Type No.	Length of Insertion Portion	Quantity
Digital Flexible Ureteroscope	HUR-101	670mm	1pc
Videoscope Imaging Processor (MDR-certified)	HV-200		1pc




Bending Radius 8mm




Passive bending



Deflection
275° up | 275° down



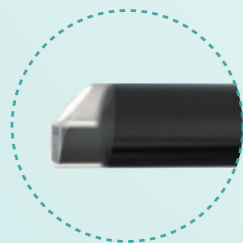
Stereo deflection
angle 12.5°



Distinctive Snake Bone Design
with FlexSpring Torsion Resistance

Single Use Cystoscope

Shortcut Button for a quick shoot, video, frame freezing, zoom in/out, and white balance



Bulet-shaped Distal End

- The bullet-shaped distal end with a soft tip
- Easier to insert and pass through the tortuous
- Reducing the damage to mucosal tissue
- Optimizing patients' comfort

Specifications

Optical System	Image Resolution	1280 x 720
	Field of View	140°
	Direction of View	0°
	Depth of Field	3mm - 100mm
	Illumination Method	LED
Insertion Portion	Deflection Angle	210° up 180° down
	Outer Diameter	16.2Fr (5.4mm)
	Working Channel	6.6 Fr (2.2mm)
Dimension	Weight	185g

Order Specification

Product	Type No.	Length of Insertion Portion	Quantity	
Single Use Cystoscope	HUS-BH376	HUS-BH376R/S	376mm	1pc
	HUS-BH378	HUS-BH378R/S	378mm	1pc
	HUS-B110	HUS-B110R/S	380mm	1pc
	HUS-BH382	HUS-BH382R/S	382mm	1pc
	HUS-BH384	HUS-BH384R/S	384mm	1pc
	HUS-BH386	HUS-BH386R/S	386mm	1pc
	HUS-BH388	HUS-BH388R/S	388mm	1pc
	HUS-BH390	HUS-BH390R/S	390mm	1pc
	Videoscope Imaging Processor (MDR-certified)	HV-200		1pc

*(R) reverse deflection, (S) standard deflection

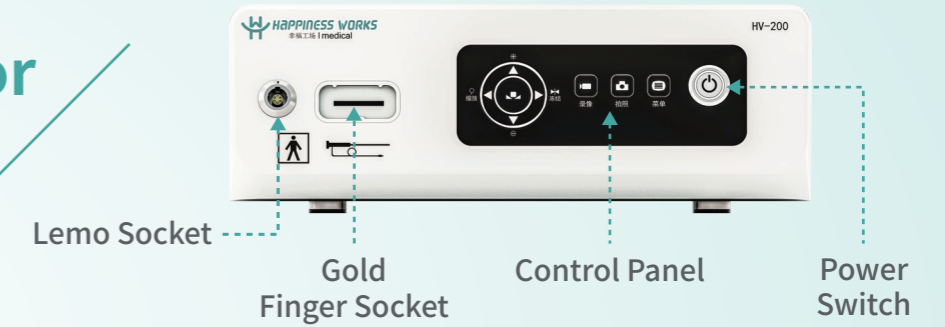
Videoscope Imaging Processor

Voltage	AC 100-240V
Frequency	50/60Hz
HQ Poxel	200*200, 400*400, 800*800, 1280*720
Key Function	LED Dimming Adjustment
	Image Zooming & Freezing
	Display Adjustment Brightness & Saturation & Contrast
	White Balance Adjustment
	Picture & Video Taking
	Video Ratio
Video Output	Handle Buttons Customization
	Support Digital Signal DVI, HDMI, SDI Output
	Pressure Measurement Mode Output
Dimension	300mm X 300mm X 100mm
Weight	3.109kg

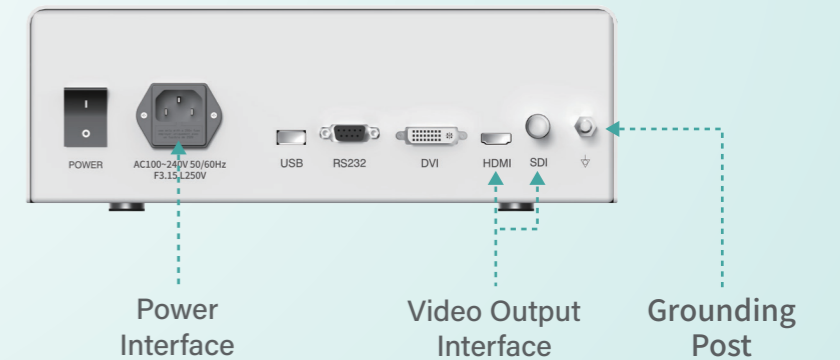
Order Specification

Product	Type No.	Quantity
Videoscope Imaging Processor(MDR-certified)	HV-200	1pc

Processor Front



Processor Back



Renal Pressure Monitoring Processor

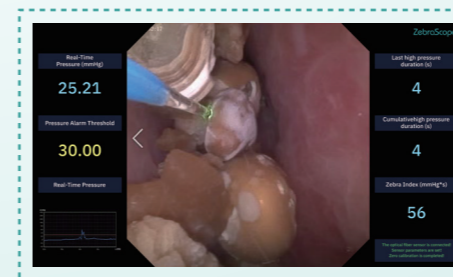
Voltage	AC 100-240V
Frequency	50Hz
Key Function	Recent High IRP Duration(s)
	Accum. High IRP Duration(Min)
	Zebra Index (mmHg*s) ^[1]
	Real-time IRP Value Curve
	Real-time IRP Value (mmHg) ^[2]
	Preset IRP Threshold
Video Output	Patient Information Input and Output
	Support Digital Signal HDMI or RS232 (to HV 200)

^[1] Zebra Index=In the pressure curve graph, the area under the curve on the red line

^[2] Real-time IRP value turns to red and blinking if above preset threshold

Order Specification

Product	Type No.	Quantity
Renal Pressure Monitoring Processor	HV-M200	1pc

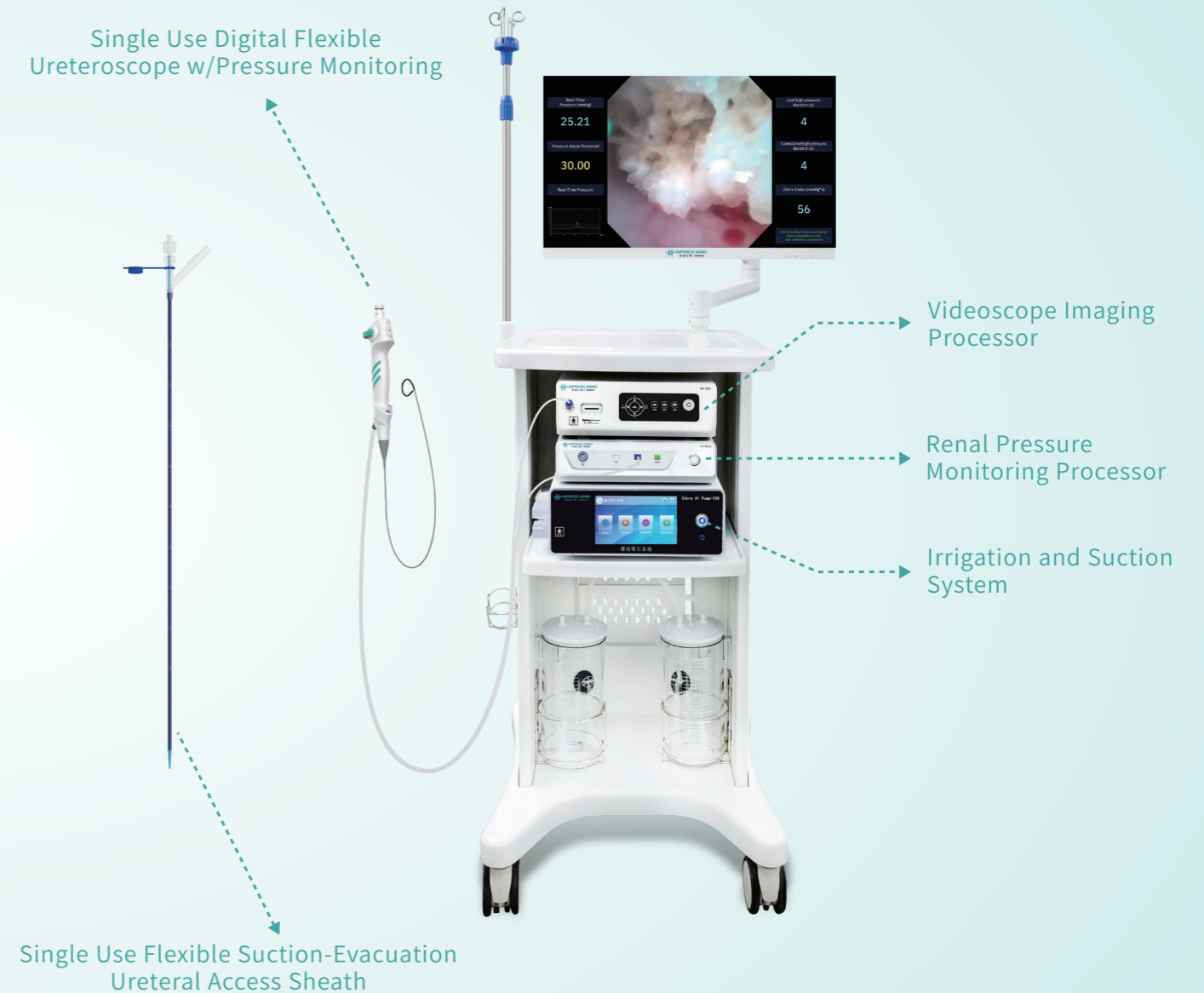


Irrigation and Suction System

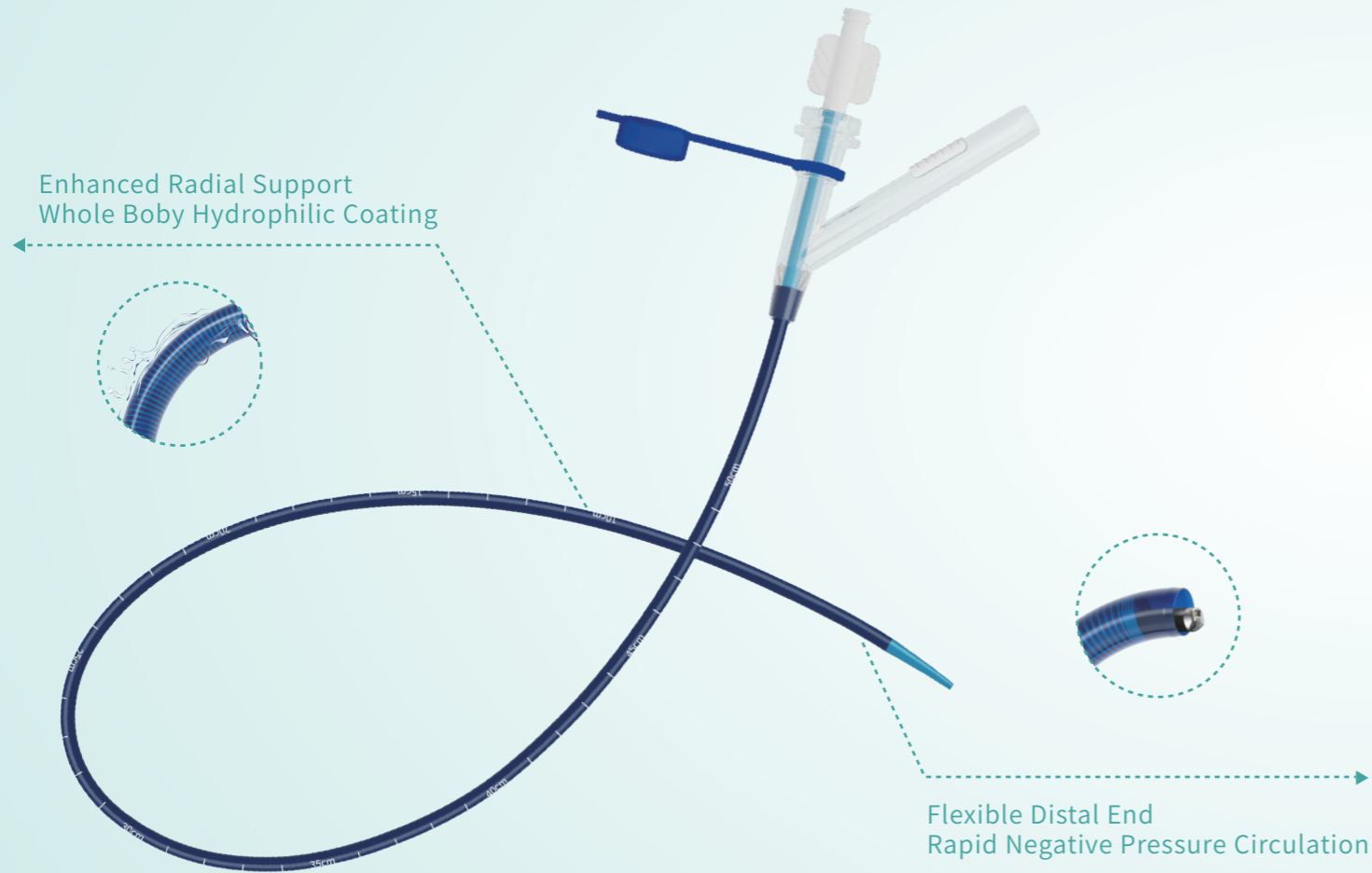
Irrigation Flow Rate Range	10~500mL/min
Safe Irrigation Pressure Range	15~150mmHg
Safe Suction Negative Pressure Range	10~350mmHg
Ambient Temperature/Relative Humidity	10°C~40 °C/30%~75%
Atmospheric Pressure	700hPa~1060hPa

Order Specification

Product	Type No.	Quantity
Irrigation and Suction System	Zebra AI Pump	1pc
Videoscope Imaging Processor(MDR-certified)	HV-200	1pc
Renal Pressure Monitoring Processor	HV-M200	1pc
Single Use Digital Flexible Ureteroscope w/Pressure Monitoring	HUS-M series	1pc
Single Use Flexible Suction-Evacuation Ureteral Access Sheath	UNS-series	1pc
Mobile Workstation Cart		1pc



Single Use Flexible Suction-Evacuation Ureteral Access Sheath



Enhance efficiency + Simplify procedures = Reduce costs, An exceptional solution for lithotripsy

Shorten OR time:	Efficient management and removal of stone fragments decrease procedure duration
Enhance visual clarity:	Continuous irrigation and suction prevent bleeding and the "snowstorm effect" from obscuring the surgical view
Increase stone clearance rate:	Side-port negative pressure rapidly removes stone fragments, enabling instant clearance
Minimize stone retropulsion:	Negative pressure suction prevents retrograde stone migration, saving operative time
Lower intrarenal pressure:	Fluid vortices from continuous irrigation and suction reduce operating pressure
Decrease accessory usage:	Significantly reduces need for stone baskets, forceps, or anti-retropulsion devices, saving time and costs

Order Specification

Product	Model	Inner Diameter	Working Length	Quantity
Single Use Flexible Suction-Evacuation Ureteral Access Sheath	UCS (conventional type)	10/11/12Fr	13/20/28/35/45cm	1pc
	UNS (negative pressure type)	10/10.5/11/11.5/12Fr	13/20/28/30/31/35/36/40/41/44/45/46/49/50/51/54/55cm	1pc
Single Use Suction-Evacuation Ureteral Access Sheath (FDA cleared)	UNS (negative pressure type)	10/10.5/11/11.5/12Fr	13/20/28/30/31/35/36/40/41/44/45/46/49/50/51/54/55cm	1pc



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