

**UROLOGY**

## UROLOGY

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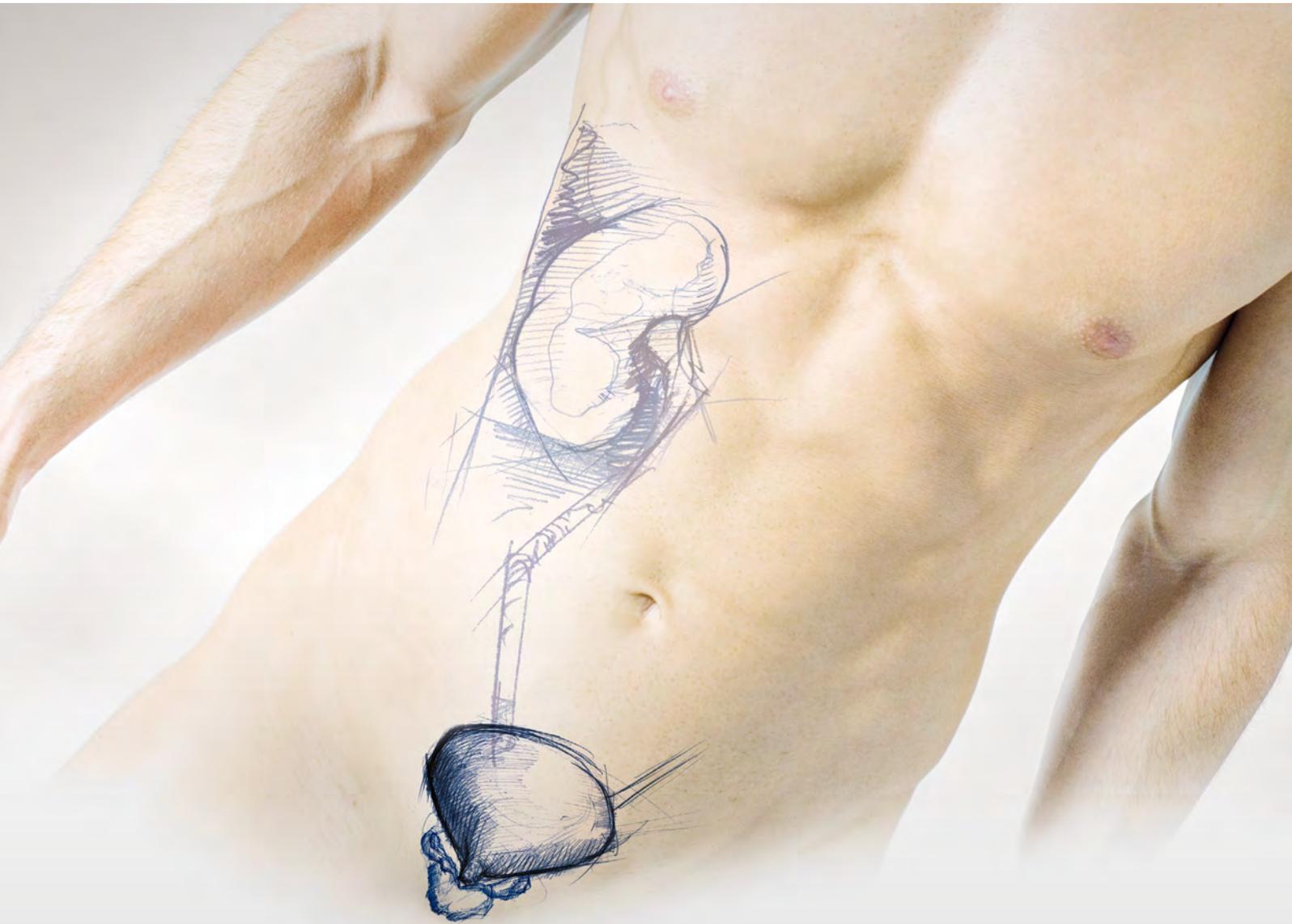
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## LOWER URINARY TRACT

## LOWER URINARY TRACT

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## LOWER URINARY TRACT

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# BASIC EQUIPMENT FOR CYSTOSCOPY

## *E-line* CYSTO-URETHROSCOPES 8650

Product	Product no.	Quantity	Catalog/Section
<b>Endoscopes and instruments</b>			
Sheath for cystoscope 19.5 Fr	8650.0341	1	Urology/Cystoscopes
Adapter for cystoscope	8650.264	1	
Working insert for cystoscope 0/30/70	8650.204	1	
Universal sealing valve 1–6 Fr	4712348	1	
Viewing obturator for cystoscope 19.5 Fr	8650.724	1	
Opt. biopsy forceps, "Marburg" model	8650.614	1	
Opt. grasping forceps, straight	8650.684	1	
Telescope 0° Ø 4 mm WL 298 mm	8650.414	1	
Telescope 70° Ø 4 mm WL 302 mm	8650.415	1	
Urethrotome 15–45 Fr WL 236 mm	8517.00	1	
Bladder syringe 150 ml Ø 54 mm	822.31	1	
Flexible adapter for bladder syringe	822.13	1	
Perforated basket for standard telescope 2	38016	1	Hygiene
Container (W x H x D) 400 x 60 x 200 mm	33022	1	

## BASIC EQUIPMENT FOR TUR

**Shark** RESECTOSCOPE, MONOPOLAR  
 TELESCOPE 4 MM, 12°/30°  
 24/26 Fr, ACTIVE, CONTINUOUS IRRIGATION

Product	Product no.	Quantity	Catalog/Section
<b>Endoscopes and instruments</b>			
Outer sheath for resectoscope 26 Fr	8675426	1	Urology/Resectoscopes
Inner sheath for resectoscope 24 Fr	8675324	1	
Dilatations obturator f. resectoscope 24 Fr	8673224	1	
Obturator for resectoscope 24 Fr	8673024	1	
Viewing obturator for resectoscope 24 Fr	8673124	1	
Working element active mono 12/30°	8674205	1	
Telescope 12° Ø 4 mm WL 297 mm	8654.431	1	
Telescope blue 12° Ø 4 mm WL 298 mm	8654.531	1	
Telescope 30° Ø 4 mm WL 300 mm	8654.422	1	
Telescope blue 30° Ø 4 mm WL 299 mm	8654.522	1	
Cutting electrode mono 24 Fr 12/30°	46782435	1	
Coag. electrode mono 22–24 Fr 12/30°	46782201	1	
Protective sterilization sleeve	33030	1	
HF monopolar connection cable	see URO103/104	1	
Urethrotome 15–45 Fr WL 236 mm	8517.00	1	Urology/Urethrotomes
Knife for urethrotome	8517.90	1	
Irrigation pump for HYS/URO/LAP bndI	22250011	1	Urology/Resectoscopes
Bladder syringe 150 ml Ø 54 mm	822.31	1	Urology/Auxiliary instruments
Flexible adapter for bladder syringe	822.13	1	

## BASIC EQUIPMENT FOR TUR

**Shark** RESECTOSCOPE, MONOPOLAR

TELESCOPE 4 MM, 0°

24 Fr, PASSIVE, INTERMITTENT IRRIGATION WITH CENTRAL STOPCOCK

Product	Product no.	Quantity	Catalog/Section
<b>Endoscopes and instruments</b>			
Sheath for resectoscope 24 Fr	8676424	1	Urology/Resectoscopes
Connection part for resectoscope 24 Fr	8676342	1	
Dilatations obturator f. resectoscope 24 Fr	8673224	1	
Viewing obturator for resectoscope 24 Fr	8673124	1	
Obturator for resectoscope 24 Fr	8673024	1	
Working element, passive, mono 0°	8681224	1	
Telescope 0° Ø 4 mm WL 298 mm	8650.414	1	
Telescope blue 0° Ø 4 mm WL 298 mm	8650.514	1	
Cutting electrode mono 24 Fr 0°	46792435	1	
Protective sterilization sleeve	33030	1	
HF monopolar connection cable	see UR0103/104	1	
Urethrotome 15–45 Fr WL 236 mm	8517.00	1	Urology/Urethrotomes
Knife for urethrotome	8517.90	1	
Bladder syringe 150 ml Ø 54 mm	822.31	1	Urology/Auxiliary instruments
Flexible adapter for bladder syringe	822.13	1	

## BASIC EQUIPMENT FOR TUR

 RESECTOSCOPE, MONOPOLAR

TELESCOPE 4 MM, 0°

24 Fr, PASSIVE, INTERMITTENT IRRIGATION WITH ROTATABL IRRIGATION ADAPTER

Product	Product no.	Quantity	Catalog/Section
<b>Endoscopes and instruments</b>			
Sheath for resectoscope 24 Fr	8676324	1	Urology/Resectoscopes
Irrigation adapter for resectoscope 24/26 Fr with 4 mm Luer connection	8676354	1	
Irrigation adapter for resectoscope 24/26 Fr with 3 mm Luer connection with stopcock	8676361	1	
Two-way stopcock, maintenance-free	88351	1	
Dilatations obturator f. resectoscope 24 Fr	8673224	1	
Viewing obturator for resectoscope 24 Fr	8673124	1	
Obturator for resectoscope 24 Fr	8673024	1	
Working element, passive, mono 0°	8681224	1	
Telescope 0° Ø 4 mm WL 298 mm	8650.414	1	
Telescope blue 0° Ø 4 mm WL 298 mm	8650.514	1	
Cutting electrode mono 24 Fr 0°	46792435	1	
Protective sterilization sleeve	33030	1	
HF monopolar connection cable	see URO103/104	1	
Urethrotome 15–45 Fr WL 236 mm	8517.00	1	Urology/Urethrotomes
Knife for urethrotome	8517.90	1	
Bladder syringe 150 ml Ø 54 mm	822.31	1	Urology/Auxiliary instruments
Flexible adapter for bladder syringe	822.13	1	

## BASIC EQUIPMENT FOR TUR

**Shark** RESECTOSCOPE, BIPOLAR  
TELESCOPE 4 MM, 12°/30°  
22/24 Fr, ACTIVE, CONTINUOUS IRRIGATION

Product	Product no.	Quantity	Catalog/Section
<b>Endoscopes and instruments</b>			
Outer sheath for resectoscope 24 Fr	8675424	1	Urology/Resectoscopes
Inner sheath for resectoscope 22 Fr	8675322	1	
Viewing obturator for resectoscope 22 Fr	8673122	1	
Obturator for resectoscope 22 Fr	8673022	1	
Working element, active, bipo 0/12/30°	8680.205	1	
Telescope 12° Ø 4 mm WL 297 mm	8654.431	1	
Telescope blue 12° Ø 4 mm WL 298 mm	8654.531	1	
Telescope 30° Ø 4 mm WL 300 mm	8654.422	1	
Telescope blue 30° Ø 4 mm WL 299 mm	8654.522	1	
Cutting electrode bipo 22 Fr 12/30°	4622.1333	1	
Coag. electrode bipo 22 Fr 12/30°	4623.0243	1	
BiVAP-Elektrode bipo 22 Fr 12/30°	46300223	1	
HF bipolar connection cable	see URO105	1	
Urethrotome 15–45 Fr WL 236 mm	8517.00	1	Urology/Urethrotomes
Knife for urethrotome	8517.90	1	
Irrigation pump for HYS/URO/LAP bndI	22250011	1	Urology/Resectoscopes
Bladder syringe 150 ml Ø 54 mm	822.31	1	Urology/Auxiliary instruments
Flexible adapter for bladder syringe	822.13	1	

## BASIC EQUIPMENT FOR TUR

**Shark** RESECTOSCOPE, BIPOLAR  
 TELESCOPE 4 MM, 12°/30°  
 24/26 Fr, ACTIVE, CONTINUOUS IRRIGATION

Product	Product no.	Quantity	Catalog/Section
<b>Endoscopes and instruments</b>			
Outer sheath for resectoscope 26 Fr	8675426	1	Urology/Resectoscopes
Inner sheath for resectoscope 24 Fr	8675324	1	
Dilatations obturator f. resectoscope 24 Fr	8673224	1	
Obturator for resectoscope 24 Fr	8673024	1	
Viewing obturator for resectoscope 24 Fr	8673124	1	
Working element, active, bipo 0/12/30°	8680.205	1	
Telescope 12° Ø 4 mm WL 297 mm	8654.431	1	
Telescope blue 12° Ø 4 mm WL 298 mm	8654.531	1	
Telescope 30° Ø 4 mm WL 300 mm	8654.422	1	
Telescope blue 30° Ø 4 mm WL 299 mm	8654.522	1	
Coag. electrode bipo 22 Fr 12/30°	4623.0243	1	
BiVAP-Elektrode bipo 22 Fr 12/30°	46300223	1	
BiVAP-Elektrode bipo 24–26 Fr 12/30°	46300243	1	
HF bipolar connection cable	see URO105	1	
Urethrotome 15–45 Fr WL 236 mm	8517.00	1	Urology/Urethrotomes
Knife for urethrotome	8517.90	1	
Irrigation pump for HYS/URO/LAP bndI	22250011	1	Urology/Resectoscopes
Bladder syringe 150 ml Ø 54 mm	822.31	1	Urology/Auxiliary instruments
Flexible adapter for bladder syringe	822.13	1	

## BASIC EQUIPMENT FOR TUR

**Shark** RESECTOSCOPE, BIPOLAR

TELESCOPE 4 MM, 12°

24 Fr, ACTIVE, INTERMITTENT IRRIGATION WITH CENTRAL STOPCOCK

Product	Product no.	Quantity	Catalog/Section
<b>Endoscopes and instruments</b>			
Outer sheath for resectoscope 26 Fr	8675426	1	Urology/Resectoscopes
Inner sheath for resectoscope 24 Fr	8675324	1	
Dilatations obturator f. resectoscope 24 Fr	8673224	1	
Obturator for resectoscope 24 Fr	8673024	1	
Viewing obturator for resectoscope 24 Fr	8673124	1	
Working element, active, bipo 0/12/30°	8680.205	1	
Telescope 12° Ø 4 mm WL 297 mm	8654.431	1	
Telescope blue 12° Ø 4 mm WL 298 mm	8654.531	1	
Coag. electrode bipo 22 Fr 12/30°	4623.0243	1	
BiVAP-Elektrode bipo 22 Fr 12/30°	46300223	1	
BiVAP-Elektrode bipo 24–26 Fr 12/30°	46300243	1	
HF bipolar connection cable	see URO105	1	
Urethrotome 15–45 Fr WL 236 mm	8517.00	1	Urology/Urethrotomes
Knife for urethrotome	8517.90	1	
Irrigation pump for HYS/URO/LAP bndI	22250011	1	Urology/Resectoscopes
Bladder syringe 150 ml Ø 54 mm	822.31	1	Urology/Auxiliary instruments
Flexible adapter for bladder syringe	822.13	1	



# HoLEP, ThuLEP

## BASIC LASER ENUCLEATION SET I

### STANDARD LASER RESECTOSCOPE 24/26 Fr

Product	Product no.	Quantity	Catalog/Section
<b>"PIRANHA" morcellator</b>			
Suction pump	2208001	1	Urology/Laser enucleation
1-pedal footswitch	2030108	1	
Bottle holder	64031.381	1	
Sound absorber (Pack= 3 PCS)	35100.115	1	
RECTO PUMP connection tube	8170.6554	1	
Overflow protection/bacteria filter (Pack = 10 PCS)	2228.901	1	
Secretion container, 2 l, without cover	8170.6551	1	
Optional: 3 L suction jar for RCS	077.0130	1	
Cover for secretion trap (8170.6551) and suction jar (077.0130), reusable	8170.6552	1	
Power cable, cable length 3 m	2440.03	1	
Tube for suction	41702208	1	
Collecting container	2208120	1	
Motor Control Unit 2303	2303.001	1	
Also: Power cable, cable length 3 m	2440.03	1	
Motor handpiece max. 6,000 rpm	8564122	1	
Irrigation adapter for motor handpiece 8564.021	163951		
Rotary morcellator Ø 4.8 mm WL 335 mm	49700113	1	
Rotary morcellator Ø 4.8 mm WL 385 mm for morcellator telescopes from other manufacturers	49700103	1	
<b>Laser resectoscope 24/26 Fr</b>			
Telescope 30° Ø 4 mm WL 300 mm	8654.422	1	Urology/Laser enucleation
Telescope 12° Ø 4 mm WL 297 mm	8654.431	1	
Also: Fiber light cable bndl, Ø 2.5 mm, 2.3 m long	806625231	1	
for reprocessing: Perforated basket for standard telescope 2	38016	1	
Laser working element, passive 12/30°	8654382	1	
Alternative: Laser working insert 12/30°	8654383	1	
Guide tube laser therapy 1,000 µm 24 Fr	8654991	1	
Guide tube laser therapy 600 µm 24 Fr	8654993	1	
Guide tube laser therapy 600 µm 24 Fr	8654995	1	
Guide tube laser therapy 600 µm 24 Fr	8654997	1	
Curette 22–24 Fr for prostate chips	8654998	1	

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HoLEP, ThuLEP

## BASIC LASER ENUCLEATION SET I

STANDARD LASER RESECTOSCOPE 24/26 Fr

Product	Product no.	Quantity	Catalog/Section
<b>Laser resectoscope 24/26 Fr</b>			
Outer sheath for resectoscope 26 Fr	8675426	1	Urology/Laser enucleation
Inner sheath for resectoscope 24 Fr	8675324	1	
Obturator for resectoscope 24 Fr	8673024	1	
Viewing obturator for resectoscope 24 Fr	8673124	1	
Dilatations obturator f. resectoscope 24 Fr	8673224	1	
<b>MORCESCOPE</b>			
Morcescope 0° 24 Fr WL 199 mm	8970407	1	Urology/Laser enucleation
Autom. sealing element ID 5.7 mm	8920.311	1	
Pressure ball	103.00	1	
Tube with LUER-LOCK connector	886.00	1	
Cleaning brush Ø 11 mm TL 360 mm	6.01	1	
Also:			
Fiber light cable bndl Ø 3.5 mm, 2.3 m long	806635231	1	
Perforated basket for Morcescope with small part basket	38012	1	

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HOLEP, THULEP

## BASIC LASER ENUCLEATION SET II

LASER ENUCLEATION SHEATH FOR **BLUNT** ENUCLEATION 24/26 Fr

Product	Product no.	Quantity	Catalog/Section	
<b>"PIRANHA" morcellator</b>				
Suction pump	2208001	1	Urology/Laser enucleation	
1-pedal footswitch	2030108	1		
Bottle holder	64031.381	1		
Sound absorber (Pack= 3 PCS)	35100.115	1		
RECTO PUMP connection tube	8170.6554	1		
Overflow protection/bacteria filter (Pack = 10 PCS)	2228.901	1		
Secretion container, 2 l, without cover	8170.6551	1		
Optional: 3 L suction jar for RCS	077.0130	1		
Cover for secretion trap (8170.6551) and suction jar (077.0130), reusable	8170.6552	1		
Power cable, cable length 3 m	2440.03	1		
Tube for suction	41702208	1		
Collecting container	2208120	1		
Motor Control Unit 2303	2303.001	1		
Also: Power cable, cable length 3 m	2440.03	1		
Motor handpiece max. 6,000 rpm	8564122	1		
Irrigation adapter for motor handpiece 8564.021	163951			
Rotary morcellator Ø 4.8 mm WL 335 mm	49700113	1		
Rotary morcellator Ø 4.8 mm WL 385 mm for morcellator telescopes from other manufacturers	49700103	1		
<b>Laser resectoscope 24/26 Fr</b>				
Telescope 30° Ø 4 mm WL 300 mm	8654.422	1		Urology/Laser enucleation
Telescope 12° Ø 4 mm WL 297 mm	8654.431	1		
Also: Fiber light cable bndl, Ø 2.5 mm, 2.3 m long	806625231	1		
for reprocessing: Perforated basket for standard telescope 2	38016	1		
Laser working element, passive 12/30°	8654382	1		
Alternative: Laser working insert 12/30°	8654383	1		
Guide tube laser therapy 1,000 µm 24 Fr	8654991	1		
Guide tube laser therapy 600 µm 24 Fr	8654993	1		
Guide tube laser therapy 600 µm 24 Fr	8654995	1		
Guide tube laser therapy 600 µm 24 Fr	8654997	1		
Curette 22–24 Fr for prostate chips	8654998	1		

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**HOLEP, THULEP**  
**BASIC LASER ENUCLEATION SET II**  
 LASER ENUCLEATION SHEATH FOR **BLUNT** ENUCLEATION

Product	Product no.	Quantity	Catalog/Section
<b>Laser enucleation sheath for blunt enucleation 24/26 Fr</b>			
Outer sheath for resectoscope 26 Fr	8675426	1	Urology/Laser enucleation
Inner sheath for laser therapy 24 Fr	8675524	1	
Obturator for resectoscope 24 Fr	8673324	1	
Alternative:			
Outer sheath for resectoscope 26 Fr	8675426	1	
Inner sheath for resectoscope 24 Fr	8675324	1	
Obturator for resectoscope 24 Fr	8673024	1	
Dilatations obturator f. resectoscope 24 Fr	8673224	1	
<b>MORCESCOPE</b>			
Morcescope 0° 24 Fr WL 199 mm	8970407	1	Urology/Laser enucleation
Autom. sealing element ID 5.7 mm	8920.311	1	
Pressure ball	103.00	1	
Tube with LUER-LOCK connector	886.00	1	
Cleaning brush Ø 11 mm TL 360 mm	6.01	1	
Also:			
Fiber light cable bndl Ø 3.5 mm, 2.3 m long	806635231	1	
Perforated basket for Morcescope with small part basket	38012	1	

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HOLEP, THULEP

BASIC LASER ENUCLEATION SET III

STANDARD LASER RESECTOSCOPE 24/26 Fr AND BIPOLAR RESECTION

Product	Product no.	Quantity	Catalog/Section	
<b>"PIRANHA" morcellator</b>				
Suction pump	2208001	1	Urology/Laser enucleation	
1-pedal footswitch	2030108	1		
Bottle holder	64031.381	1		
Sound absorber (Pack= 3 PCS)	35100.115	1		
RECTO PUMP connection tube	8170.6554	1		
Overflow protection/bacteria filter (Pack = 10 PCS)	2228.901	1		
Secretion container, 2 l, without cover	8170.6551	1		
Optional: 3 L suction jar for RCS	077.0130	1		
Cover for secretion trap (8170.6551) and suction jar (077.0130), reusable	8170.6552	1		
Power cable, cable length 3 m	2440.03	1		
Tube for suction	41702208	1		
Collecting container	2208120	1		
Motor Control Unit 2303	2303.001	1		
Also: Power cable, cable length 3 m	2440.03	1		
Motor handpiece max. 6,000 rpm	8564122	1		
Irrigation adapter for motor handpiece 8564.021	163951			
Rotary morcellator Ø 4.8 mm WL 335 mm	49700113	1		
Rotary morcellator Ø 4.8 mm WL 385 mm for morcellator telescopes from other manufacturers	49700103	1		
<b>Laser resectoscope 24/26 Fr</b>				
Telescope 30° Ø 4 mm WL 300 mm	8654.422	1		Urology/Laser enucleation
Telescope 12° Ø 4 mm WL 297 mm	8654.431	1		
Also: Fiber light cable bndl, Ø 2.5 mm, 2.3 m long	806625231	1		
for reprocessing: Perforated basket for standard telescope 2	38016	1		
Laser working element, passive 12/30°	8654382	1		
Alternative: Laser working insert 12/30°	8654383	1		
Guide tube laser therapy 1,000 µm 24 Fr	8654991	1		
Guide tube laser therapy 600 µm 24 Fr	8654993	1		
Guide tube laser therapy 600 µm 24 Fr	8654995	1		
Guide tube laser therapy 600 µm 24 Fr	8654997	1		
Curette 22–24 Fr for prostate chips	8654998	1		

VII25|| Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



HOLEP, THULEP

**BASIC LASER ENUCLEATION SET III**

STANDARD LASER RESECTOSCOPE 24/26 Fr AND BIPOLAR RESECTION



spirit of excellence

BASIC SETS

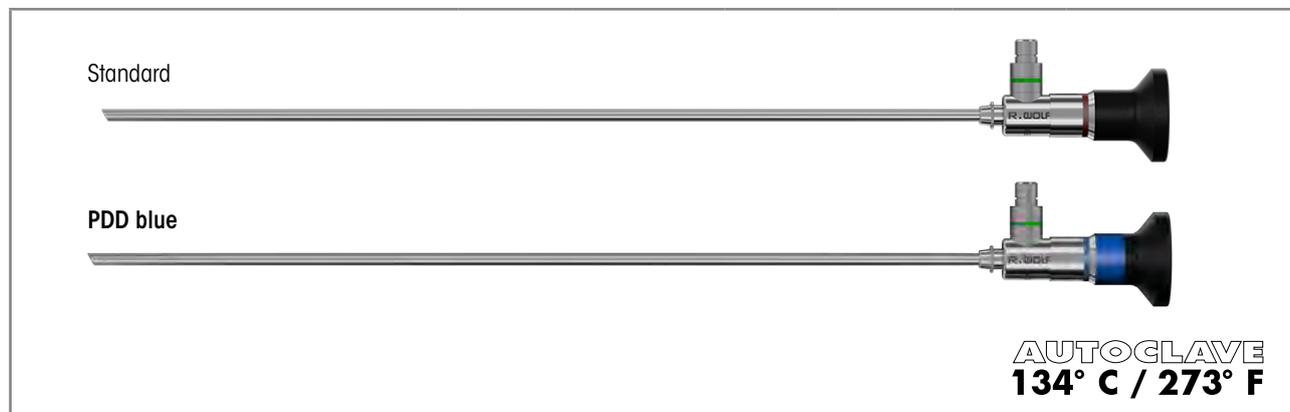
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Product	Product no.	Quantity	Catalog/Section
<b>Laser resectoscope 24/26 Fr</b>			
Outer sheath for resectoscope 26 Fr	8675426	1	Urology/Laser enucleation
Inner sheath for resectoscope 24 Fr	8675324	1	
Obturator for resectoscope 24 Fr	8673024	1	
Viewing obturator for resectoscope 24 Fr	8673124	1	
Dilatations obturator f. resectoscope 24 Fr	8673224	1	
<b>Bipolar resectoscope 24/26 Fr</b>			
Working element, active, bipo 0/12/30	8680.205	1	Urology/Laser enucleation
Optional: working element, passive, bipo 0/12/30°	8680.225	1	
Cutting electrode bipo 24 Fr 12/30°	4622.1313	1	
Coag. electrode bipo 24–26 Fr 12/30°	4623.0223	1	
HF bipolar connection cable L 3 m	8108.232	1	
HF bipolar connection cable L 5 m	8108.252	1	
HF bipolar connection cable L 3 m	8108.231	1	
HF bipolar connection cable L 3 m	8108.251	1	
<b>Morcescope</b>			
Morcescope 0° 24 Fr WL 199 mm	8970407	1	Urology/Laser enucleation
Autom. sealing element ID 5.7 mm	8920.311	1	
Pressure ball	103.00	1	
Tube with LUER-LOCK connector	886.00	1	
Cleaning brush Ø 11 mm TL 360 mm	6.01	1	
Also:			
Fiber light cable bndl Ø 3.5 mm, 2.3 m long	806635231	1	
Perforated basket for Morcescope with small part basket	38012	1	
<b>Note:</b> Can also be combined with monopolar working elements, electrodes, and HF cables, of course.			

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# TELESCOPES

## OVERVIEW



	Direction of view	Color coding	Ø	WL	TL	Product no.
Telescope 0° Ø 4 mm WL 298 mm	0°	Blue	4.0 mm	298 mm	365 mm	<b>8650.414</b>
Telescope blue 0° Ø 4 mm WL 298 mm				298 mm		<b>8650.514**</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	Orange	4.0 mm	297 mm	363 mm	<b>8654.431</b>
Telescope blue 12° Ø 4 mm WL 298 mm				298 mm		<b>8654.531**</b>
Telescope 30° Ø 4 mm WL 300 mm	30°	Red	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope blue 30° Ø 4 mm WL 299 mm				299 mm		<b>8654.522**</b>
Telescope 30° Ø 3.3 mm WL 299 mm				299 mm		<b>8656.422</b>
Telescope 25° Ø 4 mm WL 342 mm	25°		4.0 mm	342 mm	404 mm	<b>8668.433*</b>
Telescope 70° Ø 4 mm WL 302 mm	70°	Yellow	4.0 mm	302 mm	364 mm	<b>8650.415</b>
Telescope blue 70° Ø 4 mm WL 303 mm				303 mm		<b>8650.515**</b>

\* Only available in 25°.

\*\* We have adapted our PANOVIEW telescopes to our new, high-performance blue PDD system.

The PANOVIEW telescopes are marked "blue" to distinguish them and they can also be used with your existing PDD system, of course.

Recommended accessories		Product no.
<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>

# OPTICAL URETHROTOME 8667

*E-line*

FOR TELESCOPE 4 MM, 0°



for optically controlled slitting of urethral strictures.					Product no.
<b>Sheath for urethrotome 20.5 Fr</b> SL 195 mm, with instrument port for lateral catheter insertion (4 Fr)					<b>8667.011</b>
<b>Obturator for urethrotome 20.5 Fr</b> WL 231 mm, oval, cannulated, distal end rounded					<b>8667.111</b>
<b>Outer sheath for urethrotome 20.5 Fr</b> SL 187 mm, oval, laterally open, for placing a 16 Fr balloon catheter					<b>8667.161</b>
<b>Adapter for cystoscope</b> with 1 instrument port, max. capacity 10 Fr, TL 79 mm					<b>8652.264</b>
<b>Working element, urethrotome, passive 0/12°</b> Receptacle for stricture scalpels					<b>8667.911</b>
<b>Also:</b> 					
Telescope	Direction of view	Ø	WL	TL	Product no.
Telescope 0° Ø 4 mm WL 298 mm	0°	4 mm	298 mm	365 mm	<b>8650.414</b>
					
Recommended accessories					Product no.
<b>Perforated basket for standard telescope 2</b>		Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm			<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long			<b>806625231</b>
<b>Stricture scalpels</b>					<b>see UR021</b>

VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## STRICTURE SCALPELS FOR OPTICAL URETHROTOME 8667

Stricture scalpels with ceramic cutter		Cutting edge	Product no.
 Solid sheath	Scalpel 20.5 Fr ceramic, semi-circular	Semi-circular	<b>8667.961</b>
 Sheath with central bore hole (for 4 Fr ureteral catheter)	Scalpel 20.5 Fr ceramic, semi-circular	Semi-circular	<b>8667.966</b>
 Sheath with central bore hole (for 4 Fr ureteral catheter)	Scalpel 20.5 Fr ceramic, shark fin	Shark fin for narrow stenoses	<b>8667.971</b>
 Solid sheath	Scalpel 20.5 Fr ceramic, lancet-shaped	Lancet-shaped	<b>8667.981</b>
Stricture scalpels (steel)		Cutting edge	Product no.
 Sheath with central bore hole (for 4 Fr ureteral catheter)	Scalpel 20.5 Fr, semi-circular	Semi-circular	<b>8667.965</b>
 Solid sheath	Scalpel 20.5 Fr, semi-circular	Semi-circular	<b>8667.96</b>
 Solid sheath	Scalpel 20.5 Fr, lancet-shaped	Lancet-shaped	<b>8667.98</b>
 Solid sheath	Scalpel 20.5 Fr, sickle-shaped	Sickle-shaped	<b>8667.93</b>

Recommended accessories		Product no.
<b>Protective sterilization sleeve</b> Receptacle for max. 5 electrodes, reusable	 <b>AUTOCLAVE</b> <b>134° C / 273° F</b>	<b>33030</b>

# OPTICAL MINI URETHROTOME

*E-line*

FOR TELESCOPE 3.3 MM, 0°



for optically controlled slitting of urethral strictures.		Product no.			
<b>Sheath for urethrotome 16.5 Fr</b> with supply and drain stopcock, lateral instrument port (4 Fr), distal end slanted, and automatic lock		<b>8670.011</b>			
<b>Obturator for urethrotome 16.5 Fr</b> Oval, cannulated, distal end rounded		<b>8670.111</b>			
<b>Outer sheath for urethrotome 16.5 Fr</b> Oval, laterally open, for placing a 16 Fr balloon catheter		<b>8670.061</b>			
<b>Outer sheath for urethrotome 16.5 Fr</b> Oval, laterally open, for placing a 12 Fr balloon catheter		<b>8670.161</b>			
<b>Working element, urethrotome, passive 0°</b> Receptacle for stricture scalpels		<b>8670.911</b>			
Also: 					
Telescope	Direction of view	Ø	WL	TL	Product no.
Telescope 0° Ø 3.3 mm WL 297 mm	0°	3.3 mm	297 mm	362 mm	<b>8660.424</b>



Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b> Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>
<b>Stricture scalpels</b>	see URO23

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## STRICTURE SCALPELS FOR OPTICAL MINI URETHROTOME 8670

Stricture scalpels with ceramic cutter		Cutting edge	Product no.
 Solid sheath	<b>Scalpel 16.5 Fr ceramic, semi-circular</b>	Semi-circular	<b>8670.961</b>
 Sheath with central bore hole (for 4 Fr ureteral catheter)	<b>Scalpel 16.5 Fr ceramic, semi-circular</b>	Semi-circular	<b>8670.965</b>
 Sheath with central bore hole (for 4 Fr ureteral catheter)	<b>Scalpel 16.5 Fr ceramic, lancet-shaped</b>	Lancet-shaped	<b>8670.981</b>

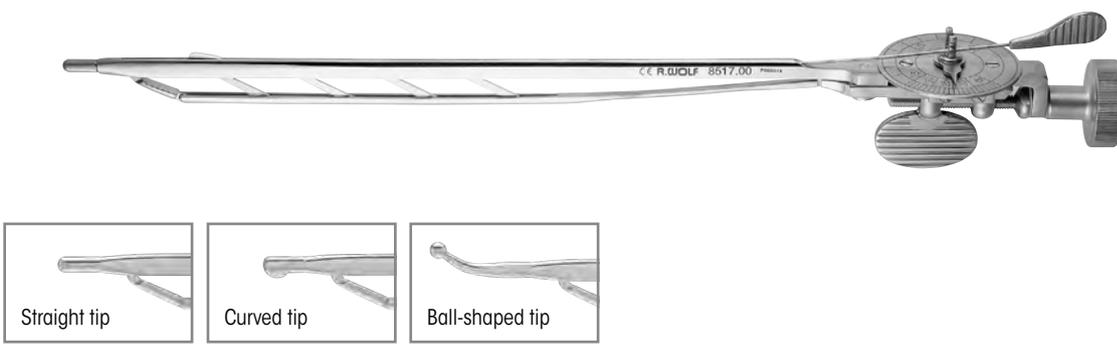
Recommended accessories		Product no.
<b>Protective sterilization sleeve</b> Receptacle for max. 5 electrodes, reusable	 <b>AUTOCLAVE</b> <b>134° C / 273° F</b>	<b>33030</b>

# URETHROTOME FOR BLIND SLITTING

URETHROTOME

1.3

12 o'clock cutting position



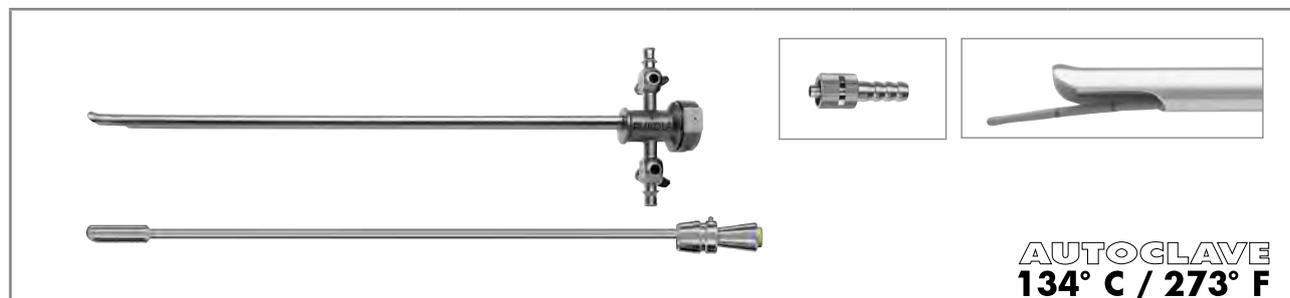
	Fr	WL	Product no.
<b>Urethrotome 15–45 Fr WL 236 mm</b> Otis, with 3 exchangeable tips (straight, curved, and ball-shaped)	15–45	236 mm	<b>8517.00</b>
<b>Knife</b> for urethrotome			<b>8517.90</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# CYSTO-URETHROSCOPE 8650

*E-line*

SHEATH SYSTEMS FOR TELESCOPE 4 MM, 0°, 12°, 30°, 70°, AND ADAPTERS



Sheath for cystoscope bndl	Fr	Color coding	SL	Capacity in Fr	Product no.
<b>Sheath for cystoscope 16 Fr</b> comprising: Sheath for cystoscope 16 Fr (8650.0145), obturator for cystoscope 16 Fr (8650.0147), and tube with LUER-LOCK connector (886.00)	16 Fr	Yellow	231 mm	1 x 5*	<b>8650.0141</b>
<b>Sheath for cystoscope 17.5 Fr</b> comprising: Sheath for cystoscope 17.5 Fr (8650.0245), obturator for cystoscope 17.5 Fr (8650.0247), and tube with LUER-LOCK connector (886.00)	17.5 Fr	Green		1 x 5 or 2 x 4	<b>8650.0241</b>
<b>Sheath for cystoscope 19.5 Fr</b> comprising: Sheath for cystoscope 19.5 Fr (8650.0345), obturator for cystoscope 19.5 Fr (8650.0347), and tube with LUER-LOCK connector (886.00)	19.5 Fr	Red		1 x 7 or 2 x 5	<b>8650.0341</b>
<b>Sheath for cystoscope 21 Fr</b> comprising: Sheath for cystoscope 21 Fr (8650.0445), obturator for cystoscope 21 Fr (8650.0447), and tube with LUER-LOCK connector (886.00)	21 Fr	Blue		1 x 10 or 2 x 6	<b>8650.0441</b>
<b>Sheath for cystoscope 23 Fr</b> comprising: Sheath for cystoscope 23 Fr (8650.0545), obturator for cystoscope 23 Fr (8650.0547), and tube with LUER-LOCK connector (886.00)	23 Fr	White		1 x 12 or 2 x 7	<b>8650.0541</b>
<b>Sheath for cystoscope 25 Fr</b> comprising: Sheath for cystoscope 25 Fr (8650.0645), obturator for cystoscope 25 Fr (8650.0647), and tube with LUER-LOCK connector (886.00)	25 Fr	Black		1 x 5	<b>8650.0641</b>

\* Urethrosopic only (cystoscopic only suitable for diagnostics via adapter 8650.254)

Also:



PANOVIEW	Direction of view	Ø	WL	TL	Product no.
Telescope 0° Ø 4 mm WL 298 mm	0°	4 mm	298 mm	365 mm	<b>8650.414</b>
Telescope 12° Ø 4 mm WL 297 mm	12°		297 mm	363 mm	<b>8654.431</b>
Telescope 30° Ø 4 mm WL 300 mm	30°		300 mm	364 mm	<b>8654.422</b>
Telescope 70° Ø 4 mm WL 302 mm	70°		302 mm	364 mm	<b>8650.415</b>
Telescope blue 0° Ø 4 mm WL 298 mm	0°	4 mm	298 mm	365 mm	<b>8650.514</b>
Telescope blue 12° Ø 4 mm WL 298 mm	12°		298 mm	363 mm	<b>8654.531</b>
Telescope blue 30° Ø 4 mm WL 299 mm	30°		299 mm	364 mm	<b>8654.522</b>
Telescope blue 70° Ø 4 mm WL 303 mm	70°		303 mm	362 mm	<b>8650.515</b>

for individual adapters/sheaths and obturators, see URO26 / for accessories, see URO29–URO30

# CYSTO-URETHROSCOPE 8650

*E-line*

## SHEATH SYSTEMS FOR TELESCOPE 4 MM, 0°, 12°, 30°, 70°, AND ADAPTERS

CYSTO-URETHROSCOPE 8650

1.4

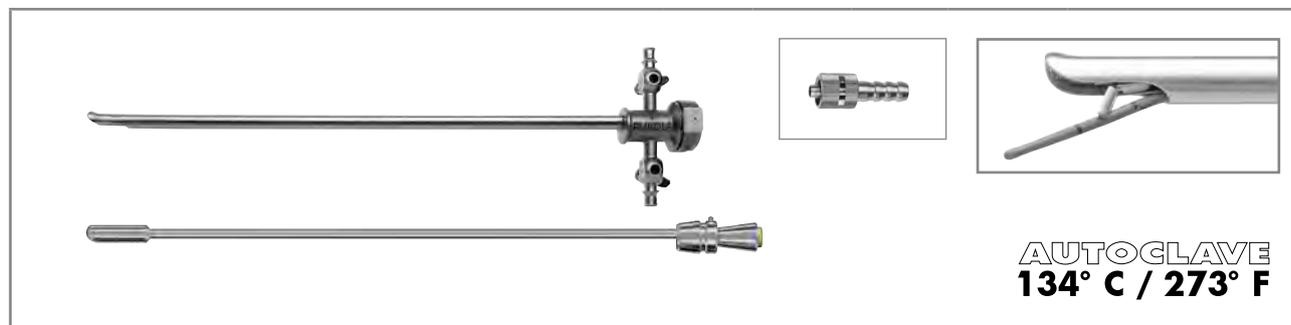
Individual sheaths and obturators					Adapters for cystoscope		
							
					Only for diagnostics	1 instrument port	2 instrument ports
Individual sheath and obturator	Fr	SL/WL	Color coding	Product no.	Adapter for cystoscope TL 60 mm	Adapter for cystoscope TL 60 mm	Adapter for cystoscope TL 60 mm
Sheath for cystoscope 16 Fr	16 Fr	SL 231 mm	Yellow	<b>8650.0145</b>	<b>8650.254</b>	<b>8650.264</b>	<b>8650.284</b>
Obturator for cystoscope 16 Fr		WL 249 mm		<b>8650.0147</b>			
Sheath for cystoscope 17.5 Fr	17.5 Fr	SL 231 mm	Green	<b>8650.0245</b>			
Obturator for cystoscope 17.5 Fr		WL 249 mm		<b>8650.0247</b>			
Sheath for cystoscope 19.5 Fr	19.5 Fr	SL 231 mm	Red	<b>8650.0345</b>			
Obturator for cystoscope 19.5 Fr		WL 251 mm		<b>8650.0347</b>			
Sheath for cystoscope 21 Fr	21 Fr	SL 231 mm	Blue	<b>8650.0445</b>			
Obturator for cystoscope 21 Fr		WL 249 mm		<b>8650.0447</b>			
Sheath for cystoscope 23 Fr	23 Fr	SL 231 mm	White	<b>8650.0545</b>			
Obturator for cystoscope 23 Fr		WL 249 mm		<b>8650.0547</b>			
Sheath for cystoscope 25 Fr	25 Fr	SL 231 mm	Black	<b>8650.0645</b>			
Obturator for cystoscope 25 Fr		WL 249 mm		<b>8650.0647</b>			
Recommended accessories					Product no.		
Perforated basket for standard telescope 2				Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>		
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)				Ø 2.5 mm, 2.3 m long	<b>806625231</b>		

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# CYSTO-URETHROSCOPE 8650

*E-line*

## SHEATH SYSTEMS FOR TELESCOPE 4 MM, 30°, 70°, AND INSERTS WITH ALBARRÁN LEVER



Sheath for cystoscope bndl	Fr	Color coding	SL	Capacity in Fr	Product no.
<b>Sheath for cystoscope 17.5 Fr</b> comprising: Sheath for cystoscope 17.5 Fr (8650.0245), obturator for cystoscope 17.5 Fr (8650.0247), and tube with LUER-LOCK connector (886.00)	17.5 Fr	Green	231 mm	1 x 5 or 2 x 4	<b>8650.0241</b>
<b>Sheath for cystoscope 19.5 Fr</b> comprising: Sheath for cystoscope 19.5 Fr (8650.0345), obturator for cystoscope 19.5 Fr (8650.0347), and tube with LUER-LOCK connector (886.00)	19.5 Fr	Red		1 x 7 or 2 x 5	<b>8650.0341</b>
<b>Sheath for cystoscope 21 Fr</b> comprising: Sheath for cystoscope 21 Fr (8650.0445), obturator for cystoscope 21 Fr (8650.0447), and tube with LUER-LOCK connector (886.00)	21 Fr	Blue		1 x 10 or 2 x 6	<b>8650.0441</b>
<b>Sheath for cystoscope 23 Fr</b> comprising: Sheath for cystoscope 23 Fr (8650.0545), obturator for cystoscope 23 Fr (8650.0547), and tube with LUER-LOCK connector (886.00)	23 Fr	White		1 x 12 or 2 x 7	<b>8650.0541</b>

Also:



PANOVIEW	Direction of view	Ø	WL	TL	Product no.
Telescope 30° Ø 4 mm WL 300 mm	30°	4 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 70° Ø 4 mm WL 302 mm	70°		302 mm	364 mm	<b>8650.415</b>
Telescope blue 30° Ø 4 mm WL 299 mm	30°	4 mm	299 mm	364 mm	<b>8654.522</b>
Telescope blue 70° Ø 4 mm WL 303 mm	70°		303 mm	362 mm	<b>8650.515</b>

for individual adapters/sheaths and obturators, see URO28

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm <b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>

# CYSTO-URETHROSCOPE 8650

*E-line*

SHEATH SYSTEMS FOR TELESCOPE 4 MM, 30°, 70°, AND INSERTS WITH ALBARRÁN LEVER

CYSTO-URETHROSCOPE 8650

1.4

Individual sheaths and obturators						
					 <p>1 instrument port</p>	 <p>2 instrument ports</p>
					Working insert for cystoscope 30/70	Working insert for cystoscope 0/30/70
Individual sheath and obturator	Fr	SL/WL	Color coding	Product no.	Working insert for cystoscope 30/70	Working insert for cystoscope 0/30/70
Sheath for cystoscope 17.5 Fr	17.5 Fr	SL 231 mm	Green	<b>8650.0245</b>	<b>8650.214</b>	<b>8650.204</b>
Obturator for cystoscope 17.5 Fr		WL 249 mm		<b>8650.0247</b>		
Sheath for cystoscope 19.5 Fr	19.5 Fr	SL 231 mm	Red	<b>8650.0345</b>		
Obturator for cystoscope 19.5 Fr		WL 251 mm		<b>8650.0347</b>		
Sheath for cystoscope 21 Fr	21 Fr	SL 231 mm	Blue	<b>8650.0445</b>		
Obturator for cystoscope 21 Fr		WL 249 mm		<b>8650.0447</b>		
Sheath for cystoscope 23 Fr	23 Fr	SL 231 mm	White	<b>8650.0545</b>		
Obturator for cystoscope 23 Fr		WL 249 mm		<b>8650.0547</b>		

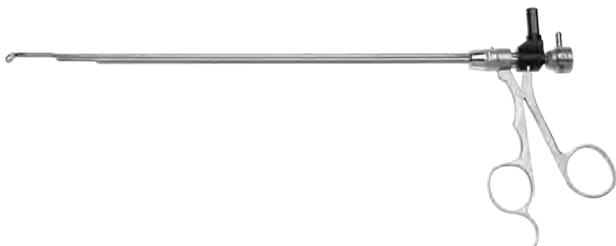
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## OPTICAL FORCEPS AND SCISSORS

FOR CYSTO-URETHROSCOPE 8650  
WITH TELESCOPE 4 MM, 0°



		Suitable for sheaths from	Product no.
	<b>Opt. biopsy forceps, spoon-shaped</b>	19.5 Fr	<b>8650.604</b>
	<b>Opt. grasping forceps, straight</b>	19.5 Fr	<b>8650.684</b>
	<b>Opt. biopsy forceps, "Marburg" model</b>	Short distance between jaw section and telescope means biopsies can be taken from the area around the bladder neck 19.5 Fr	<b>8650.614</b>
	<b>Opt. biopsy forceps, spoon curved downward</b>	for taking biopsies from the transition area between the bladder neck and roof, and from the area at the back of the urethra 19.5 Fr	<b>8650.774</b>
	<b>Opt. scissors, "Wuppertal" model, curved downward</b>	for opening uretero cells, cutting through migrated sutures, and removing polyps from the base, and for ostium slitting 19.5 Fr	<b>8650.644</b>
	<b>Opt. grasping forceps curved downward</b>	for crushing small, soft stones 19.5 Fr	<b>8650.654</b>
	<b>Opt. stone grasping forceps curved downward</b>	for small stones, for processing stone fragments 23 Fr	<b>8650.664</b>



for cysto-urethroscope 8650 with telescope 4 mm, 0°		Suitable for sheaths from	Product no.
	<b>Opt. coag. biopsy forceps Tauber</b>	for combined biopsy and hemostasis. Particularly suitable for bladder mapping and quadrant biopsies. Immediate hemostasis without changing instruments or performing a time-consuming reorientation. 21 Fr	<b>8650.624</b>

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## VIEWING OBTURATORS

FOR INSERTING THE SHEATH WHILE VIEWING FOR 4 MM TELESCOPES FROM 0° TO 30°

CYSTO-URETHROSCOPE 8650

1.4

				
for inserting the sheath while viewing for 4 mm telescopes from 0° to 30°		WL	Suitable for Sheath	Product no.
 distal end rounded	Viewing obturator for cystoscope 17.5 Fr	249 mm	17.5 Fr	<b>8650.714</b>
	Viewing obturator for cystoscope 19.5 Fr		19.5 Fr	<b>8650.724</b>
	Viewing obturator for cystoscope 21 Fr		21 Fr	<b>8650.734</b>
	Viewing obturator for cystoscope 23 Fr		23 Fr	<b>8650.744</b>

Recommended accessories	Product no.
HF connection cable	see UR0103/104

# MIDI-SIZE

## CYSTO-URETHROSCOPE

"MIDI-SIZE" CYSTO-URETHROSCOPE

1.5

for smaller anatomies



**AUTOCLAVE**  
134° C / 273° F

Sheath for cystoscope bndl	consisting of:	Fr	Capacity in Fr	Color coding	Product no.
<b>Sheath for cystoscope 12.5 Fr</b> with 2 irrigation valves	Sheath for cystoscope 12.5 Fr (86720255), obturator for cystoscope 12.5 Fr (86720257), and tube with LUER-LOCK connector (886.00)	12.5	5	Green	<b>86720251</b>
<b>Sheath for cystoscope 14.5 Fr</b> with 2 irrigation valves	Sheath for cystoscope 14.5 Fr (86720455), obturator for cystoscope 14.5 Fr (86720457), and tube with LUER-LOCK connector (886.00)	14.5	7	Green	<b>86720451</b>

**Also: individual sheaths and obturators**



Individual sheath and obturator	SL/WL	Color coding	Product no.	Adapter for cystoscope TL 65 mm
<b>Sheath for cystoscope 12.5 Fr</b>	SL 193 mm	Green	<b>86720255</b>	<b>8672265</b>
<b>Obturator for cystoscope 12.5 Fr</b>	WL 211 mm	Green	<b>86720257</b>	
<b>Sheath for cystoscope 14.5 Fr</b>	SL 194 mm	White	<b>86720455</b>	
<b>Obturator for cystoscope 14.5 Fr</b>	WL 211 mm	White	<b>86720457</b>	

Also:



	Ø	WL	TL	Product no.
<b>Telescope 30° Ø 2.7 mm WL 267 mm</b>	2.7 mm	267 mm	331 mm	<b>8672432</b>

Recommended accessories		Product no.
<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>
<b>HF connection cable</b>		see UR0103/104

## MIDI-SIZE

### FLEXIBLE AUXILIARY INSTRUMENTS

		WL	TL	Fr	Product no.
	Flex. biopsy forceps 5 Fr WL 315 mm	315 mm	465 mm	5	<b>829.05</b>
	Flex. biopsy forceps 7 Fr WL 375 mm	375 mm	490 mm	7	<b>829.07</b>
	Flex. grasping forceps 5 Fr WL 315 mm	315 mm	465 mm	5	<b>828.05</b>
	Flex. grasping forceps 7 Fr WL 365 mm	365 mm	515 mm	7	<b>828.07</b>
	Flex. scissors 7 Fr WL 375 mm	375 mm	490	7	<b>830.07</b>

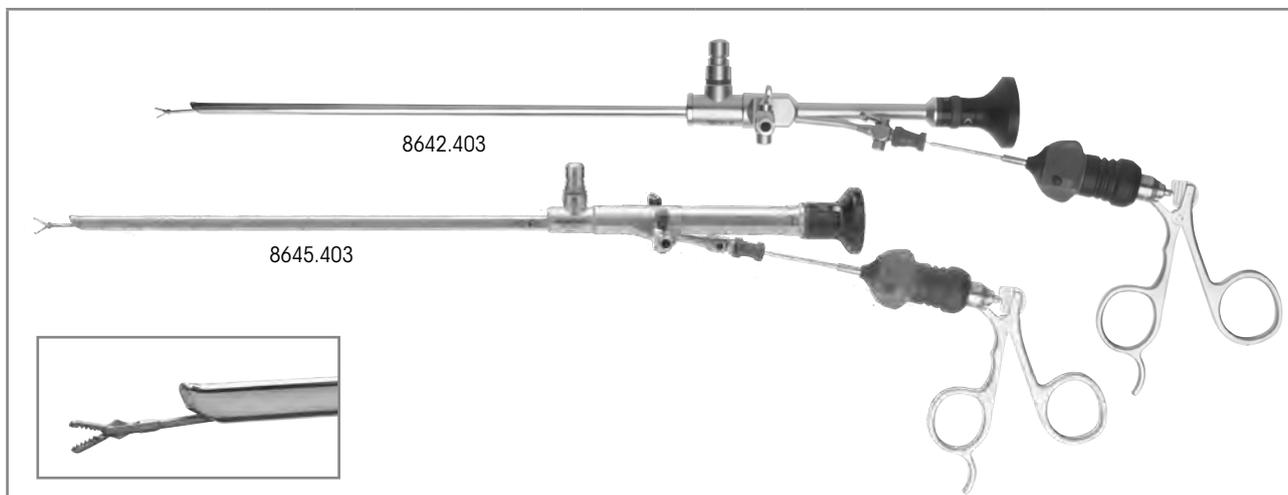
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# ATRAUMATIC COMPACT CYSTO-URETHROSCOPE

## 14/17 Fr, 25° AND ADAPTERS

ATRAUMATIC COMPACT CYSTO-URETHROSCOPE

1.6



	Direction of view	WL	TL	Sheath	Working channel		Product no.
					for auxiliary instruments	Shape	
<b>Cystoscope 25° 14 Fr WL 218 mm</b> with straight eyepiece, atraumatically shaped tip	25°	218 mm	358 mm	14 Fr	Up to 5 Fr	Oval	<b>8642.403</b>
<b>Cystoscope 25° 17 Fr WL 224 mm</b> with straight eyepiece, atraumatically shaped tip	25°	224 mm	364 mm	17 Fr	Up to 7 Fr	Oval	<b>8645.403</b>

Also:

		WL	TL	Fr	Product no.
	<b>Flex. biopsy forceps 7 Fr WL 375 mm</b>	375 mm	490 mm	7	<b>829.07</b>
	<b>Flex. biopsy forceps 5 Fr WL 315 mm</b>	315 mm	465 mm	5	<b>829.05</b>
	<b>Flex. grasping forceps 7 Fr WL 365 mm</b>	365 mm	515 mm	7	<b>828.07</b>
	<b>Flex. grasping forceps 5 Fr WL 315 mm</b>	315 mm	465 mm	5	<b>828.05</b>
	<b>Flex. scissors 7 Fr WL 375 mm</b>	375 mm	490 mm	7	<b>830.07</b>
	<b>Coag. electrode mono 6 Fr WL 400 mm</b>	400 mm	-	6	<b>823.06</b>
	<b>Coag. electrode mono 5 Fr WL 400 mm</b>	400 mm	-	5	<b>823.05</b>

**Recommended accessories**

**Product no.**

<b>Perforated basket for cysto-urethroscope</b>	Internal dimensions (W x H x D): 435 x 54 x 73 mm External dimensions (W x H x D): 451 x 64 x 80 mm	<b>38013</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>

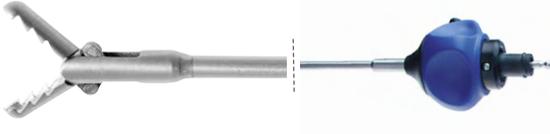
# FORCEPS AND SCISSORS

SMALL MODULAR SYSTEM **HySafe**

FOR ATRAUMATIC COMPACT CYSTO-URETHROSCOPES 14/17 Fr, 25°

ATRAUMATIC COMPACT CYSTO-URETHROSCOPE

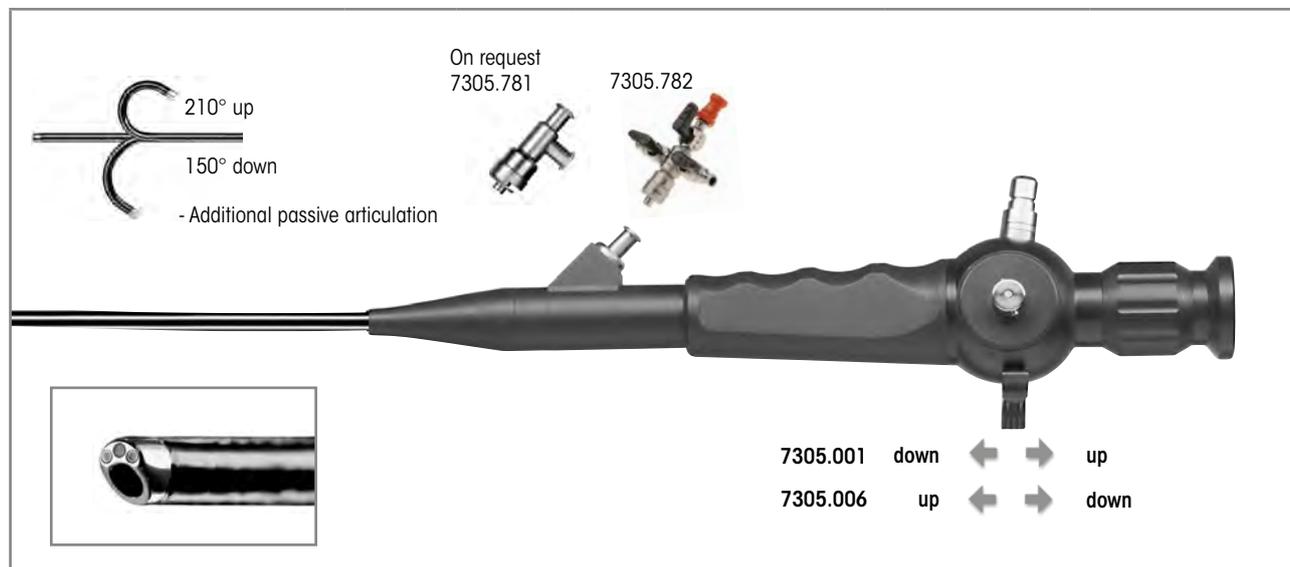
1.6

Grasping forceps jaw insert with sheath				Handle with overload protection	Complete instrument • Jaw section • Handle	
	Product no.	Fr	WL	8083.001	Product no.	
	<b>Grasping forceps bndl</b> Distal angled with pike-mouth jaws	8642.6508	5	340 mm	•	<b>8642.6502</b>
		8645.6508	7	325 mm	•	<b>8645.6502</b>
	<b>Biopsy forceps bndl</b> - Spoon	8642.6008	5	340 mm	•	<b>8642.6002</b>
		8645.6008	7	340 mm	•	<b>8645.6002</b>
	<b>Biopsy forceps bndl</b>	8642.6318	5	340 mm	•	<b>8642.6312</b>
	<b>Scissors bndl</b>	8642.6818	5	340 mm	•	<b>8642.6812</b>
	<b>Grasping forceps bndl</b>	8968.6808	6	425 mm	•	<b>8968.6802</b>

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# FLEXIBLE FIBER CYSTOSCOPES 5 MM/15 Fr

## CHANNEL 2.5 MM/7.5 Fr



	Outer Ø	Working channel	WL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Fiber cystoscope 15 Fr WL 400 mm</b> Slanted distal tip Articulation +210°/-150° Direction of view 0°, angle of view 110°	15 Fr	7.5 Fr	400 mm	•		<b>7305.001</b>
					•	<b>7305.006</b>
<b>Fiber cystoscope bndl</b> consisting of: Fiber cystoscope 15 Fr WL 400 mm (7305.001) Adapter with 2 irrigation valves and 1 instrument port (7305.782) Leakage tester for flex. endoscopes (163.903) Pressure equalization valve (163.904) Cleaning brush Ø 3 mm, TL 1,200 mm (Pack = 10 PCS) (7990002)				•		<b>730500111</b>
<b>Fiber cystoscope bndl</b> consisting of: Fiber cystoscope 15 Fr WL 400 mm (7305.006) Adapter with 2 irrigation valves and 1 instrument port (7305.782) Leakage tester for flex. endoscopes (163.903) Pressure equalization valve (163.904) Cleaning brush Ø 3 mm, TL 1,200 mm (Pack = 10 PCS) (7990002)					•	<b>730500611</b>

Recommended accessories		Product no.
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm, TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>
<b>Perforated basket for flexible endoscopes</b> Also: <b>fixing ring Ø 50.39 mm</b>	(W x H x D): 448 x 106 x 288 mm	<b>33016</b> <b>643301261</b>

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# FLEXIBLE FIBER CYSTOSCOPES 5 MM/15 Fr

## TECHNICAL DATA/AUXILIARY INSTRUMENTS

Fiber cystoscope 15 Fr WL 400 mm	7305.001/7305.006
Distal tip	Slanted distal tip
Sheath diameter	15 Fr
Number of working channels	1
Working/irrigation channel diameter	7.5 Fr
Articulation	210° upward, 150° downward
Working length	400 mm
Angle of view	110°
Direction of view	0°

Auxiliary instruments	Outer Ø	WL	TL	Product no.
 <b>Flex. biopsy forceps 5 Fr WL 550 mm</b>	1.6 mm 5 Fr	550 mm	700 mm	<b>829.051</b>
 <b>Flex. grasping forceps 5 Fr WL 550 mm</b>	1.6 mm 5 Fr	550 mm	680 mm	<b>8735.685</b>
 <b>Flex. grasping forceps 6.6 Fr WL 550 mm</b>	2.0 mm 6.6 Fr	550 mm	690 mm	<b>8736.685</b>
 <b>Adapter</b> with 2 Luer connections, male, quick-release mechanism			36 mm	<b>7305.781</b>
 <b>Adapter</b> with 2 irrigation valves and 1 instrument port, quick-release mechanism			57 mm	<b>7305.782</b>
 Also: <b>Luer sealing cap</b>				<b>15023205</b>
 <b>RIWO rubber cap, capacity 0.8 mm</b>				<b>88.01</b>
 <b>Universal sealing valve 1–6 Fr</b> for inserting auxiliary instruments of 1–6 Fr				<b>4712348</b>

# vision EF

## FLEXIBLE 1-CHANNEL SENSOR CYSTOSCOPES



	Outer Ø	Working channel	WL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Sensor cystoscope 16.2 Fr</b> <b>WL 400 mm</b> Slanted distal tip Articulation +210°/-210° Direction of view 0°, angle of view 110°	16.2 Fr	7.5 Fr	400 mm	•		<b>73151001</b>
					•	<b>73151006</b>
<b>Sensor cystoscope bndl</b> consisting of: Sensor cystoscope 16.2 Fr, WL 400 mm (73151001), leakage tester for flex. endoscopes (163.903), pressure equalization valve (163.904), Luer sealing cap (15023205), and cleaning brush Ø 5 mm, TL 1,200 mm (Pack = 10 PCS) (7990005)				•		<b>731510012</b>
<b>Fiber cystoscope bndl</b> consisting of: Sensor cystoscope 16.2 Fr, WL 400 mm (73151006), leakage tester for flex. endoscopes (163.903), pressure equalization valve (163.904), Luer sealing cap (15023205), and cleaning brush Ø 5 mm, TL 1,200 mm (Pack = 10 PCS) (7990005)					•	<b>731510062</b>

Recommended accessories		Product no.
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm, TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>
<b>Perforated basket for flexible endoscopes</b> Also: <b>fixing ring Ø 50.39 mm</b> 	(W x H x D): 448 x 106 x 288 mm	<b>33016</b> <b>643301261</b>
<b>Flexible auxiliary instruments</b>		see UR039

"VISION EF" FLEXIBLE SENSOR CYSTOSCOPES

1.8

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## vision EF FLEXIBLE SENSOR CYSTOSCOPES

### TECHNICAL DATA

Sensor cystoscope 16.2 Fr WL 400 mm	73151001/73151006
Distal tip	Cylindrical, atraumatic, slanted plastic tip 11.5 Fr
Sheath diameter	16.2 Fr
Number of working channels	1
Working/irrigation channel diameter	7.5 Fr
Articulation	210° upward, 210° downward
Working length	400 mm
Angle of view	110°
Illumination	Two distally integrated LEDs
Handle	Ergonomic handle design with axial cable outlet
Positioning of the working and irrigation channel in relation to the picture	At 3 o'clock
Endopicture	Octagonal, detail enhancement, automatic white balance, and brightness control, no focusing necessary
Cable length	2.5 m

# vision EF FLEXIBLE SENSOR CYSTOSCOPES

## AUXILIARY INSTRUMENTS

		Outer Ø	WL	TL	Product no.
	<b>Flex. biopsy forceps 5 Fr WL 550 mm</b>	1.6 mm 5 Fr	550 mm	700 mm	<b>829.051</b>
	<b>Flex. grasping forceps 5 Fr WL 550 mm</b>	1.6 mm 5 Fr	550 mm	680 mm	<b>8735.685</b>
	<b>Adapter</b> with 2 irrigation valves and 1 instrument port, quick-release mechanism			57 mm	<b>7305.782</b>
	Also: <b>Luer sealing cap</b>				<b>15023205</b>
	<b>RIWO rubber cap, capacity 0.8 mm</b>				<b>88.01</b>
	<b>Universal sealing valve 1–6 Fr</b> for inserting auxiliary instruments of 1–6 Fr				<b>4712348</b>
	<b>Adapter</b> for machine leakage tests				<b>163.905</b>

**mamba**  
VISION  
**FLEXIBLE SENSOR CYSTOSCOPES**  
FOR ENDOCAM **Logic 4K** CONTROLLER

"MAMBA" FLEXIBLE SENSOR CYSTOSCOPES

1.9



	Outer Ø	Working channel	WL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Sensor cystoscope 16.2 Fr WL 400 mm</b> Slanted distal tip Articulation +210°/-210° Direction of view 0°, angle of view 110°	16.2 Fr	7.5 Fr	400 mm	•		<b>7315001</b>
				•	<b>7315006</b>	
<b>Sensor cystoscope bndl</b> consisting of: Sensor cystoscope 16.2 Fr, WL 400 mm (7315001), leakage tester for flex. endoscopes (163.903), pressure equalization valve (163.904), Luer sealing cap (15023205), and cleaning brush Ø 5 mm, TL 1,200 mm (Pack = 10 PCS) (7990005)				•		<b>73150012</b>
<b>Sensor cystoscope bndl</b> consisting of: Sensor cystoscope 16.2 Fr, WL 400 mm (7315006), leakage tester for flex. endoscopes (163.903), pressure equalization valve (163.904), Luer sealing cap (15023205), and cleaning brush Ø 5 mm, TL 1,200 mm (Pack = 10 PCS) (7990005)					•	<b>73150062</b>
<b>Recommended accessories</b>						<b>Product no.</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm, TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)				Ø 2.5 mm, 2.3 m long		<b>806625231</b>
<b>Perforated basket for flexible endoscopes</b> Also: <b>fixing ring Ø 50.39 mm</b>				(W x H x D): 448 x 106 x 288 mm		<b>33016</b> <b>643301261</b>
<b>Flexible auxiliary instruments</b>						see UR042

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**mamba**  
VISION  
**FLEXIBLE SENSOR CYSTOSCOPE**

**TECHNICAL DATA**

Sensor cystoscope 16.2 Fr WL 400 mm	7315001/7315006
Distal tip	11.5 Fr, atraumatic tip made of plastic, two distally integrated LEDs
Sheath diameter	16.2 Fr
Number of working channels	1
Working/irrigation channel diameter	7.5 Fr
Articulation	210° upward, 210° downward
Working length	400 mm
Angle of view	110°
Handle	Ergonomic handle design with axial cable outlet
Positioning of the working and irrigation channel in relation to the picture	At 3 o'clock
Endopicture	Octagonal, 3 levels of detail magnification, and 6x digital zoom; automatic white balance, light control, and focus
Compatible camera control unit	ENDOCAM Logic 4K ENDOCAM Logic HD

"MAMBA" FLEXIBLE SENSOR CYSTOSCOPES

1.9

Required video equipment	Product no.
 <p><b>ENDOCAM Logic 4K camera control unit bndl</b> consisting of: ENDOCAM Logic 4K camera control unit (5525301) Handheld remote control (5525401) 1x USB flash memory 32 GB (72321829) 1x HDMI/HDMI cable, lockable, 3.0 m (103847) 1x power cable (2440.03)</p>	<b>55253011</b>

## FLEXIBLE SENSOR CYSTOSCOPE

### ACCESSORIES AND AUXILIARY INSTRUMENTS

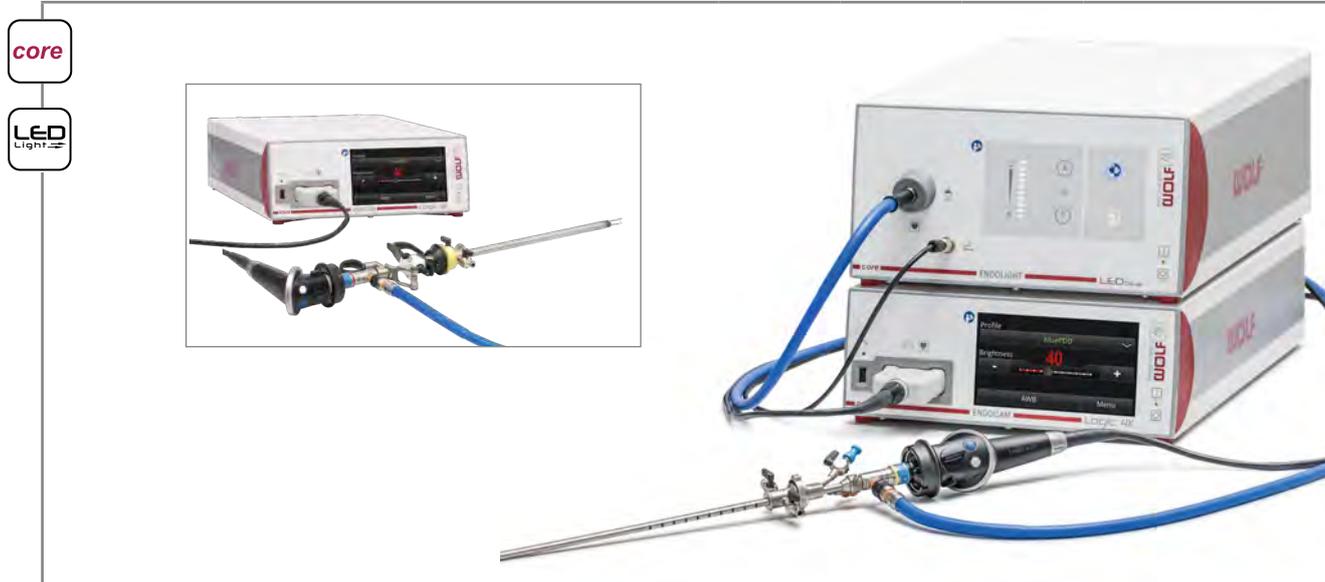
		Outer Ø	WL	TL	Product no.
	<b>Flex. biopsy forceps 5 Fr WL 550 mm</b>	1.6 mm 5 Fr	550 mm	700 mm	<b>829.051</b>
	<b>Flex. grasping forceps 5 Fr WL 550 mm</b>	1.6 mm 5 Fr	550 mm	700 mm	<b>828.051</b>
	<b>Adapter</b> with 2 irrigation valves and 1 instrument port, quick-release mechanism			57 mm	<b>7305.782</b>
	Also: <b>Luer sealing cap</b>				<b>15023205</b>
	<b>RIWO rubber cap, capacity 0.8 mm</b>				<b>88.01</b>
	for inserting auxiliary instruments of 1–6 Fr <b>Universal sealing valve 1–6 Fr</b>				<b>4712348</b>
	<b>Adapter for machine leakage tests</b>				<b>163.905</b>

# System blue

## SYSTEM COMPONENTS

### FOR PHOTODYNAMIC DIAGNOSTICS (PDD)

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"SYSTEM BLUE" FOR PHOTODYNAMIC DIAGNOSTICS (PDD)

1.10

				Product no.
<b>ENDOLIGHT LED blue bndl</b> consisting of: ENDOLIGHT LED blue (5165001), patch cable, RJ45 SFTP, 0.5 m (72325378), toggle footswitch (2030.105), and power cable 3 m long (2440.03)				<b>51650011</b>
<b>ENDOCAM Logic 4K camera control unit bndl</b> consisting of: ENDOCAM Logic 4K camera control unit (5525301), handheld remote control (5525401), USB flash memory 32 GB (72321829), HDMI/HDMI cable, lockable, 3.0 m (103847), and power cable (2440.03)				<b>55253011</b>
<b>ENDOCAM Logic HD Pendual camera head blue</b> Cable length 3 m				<b>5525833</b>
<b>Also:</b>				
PANOVIEW	Ø	WL	TL	Product no.
Telescope blue 0° Ø 4 mm WL 298 mm	4.0 mm	298 mm	365 mm	<b>8650.514</b>
Telescope blue 12° Ø 4 mm WL 298 mm		298 mm	363 mm	<b>8654.531</b>
Telescope blue 30° Ø 4 mm WL 299 mm		299 mm	364 mm	<b>8654.522</b>
Telescope blue 70° Ø 4 mm WL 303 mm		303 mm	362 mm	<b>8650.515</b>
<b>Special fiber light cable 3.5 mm, 2.3 m set</b> consisting of: Fiber light cable blue Ø 3.5 mm (80673523), endoscope-side adapter (809509)	3.5 mm		2.3 m	<b>806735231</b>

# System blue

## SYSTEM COMPONENTS FOR PHOTODYNAMIC DIAGNOSTICS (PDD)

### CYSTOSCOPY

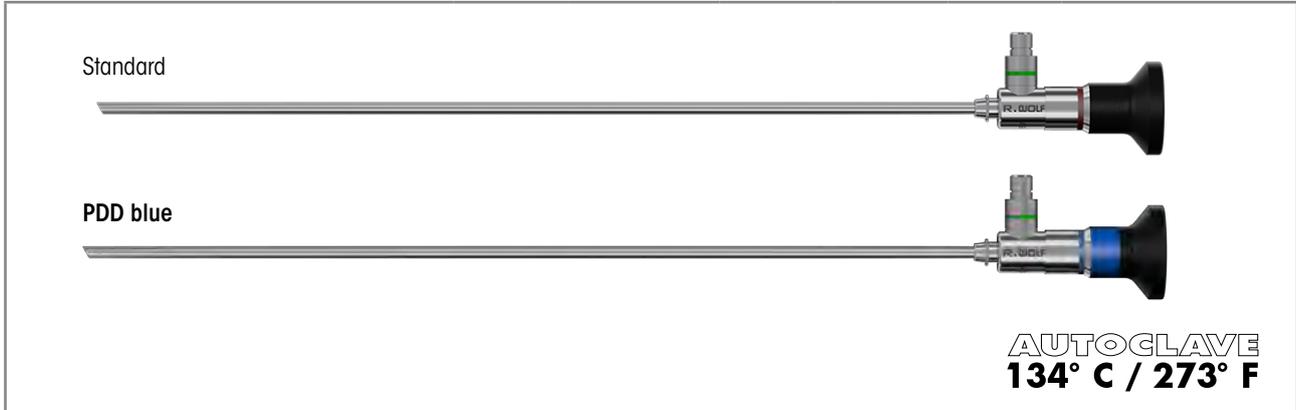
"SYSTEM BLUE" FOR PHOTODYNAMIC DIAGNOSTICS (PDD)

1.10

Cystoscopy		Product no.
<b>Recommendation:</b> PDD cysto-urethroscope with adapter		
	PANOVIEW telescope blue 70° Ø 4 mm WL 303 mm	<b>8650.515</b>
	Adapter for cystoscope	<b>8650.284</b>
	Sheath for cystoscope 19.5 Fr	<b>8650.0341</b>
	Obturator for cystoscope 19.5 Fr	<b>8650.0347</b>

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FOR RESECTOSCOPES  
TELESCOPE 4 MM, 0°, 12°, 30°



	Direction of view	Color coding	Ø	WL	TL	Product no.
Telescope 0° Ø 4 mm WL 298 mm	0°	Blue	4.0 mm	298 mm	365 mm	<b>8650.414</b>
Telescope blue 0° Ø 4 mm WL 298 mm				298 mm		<b>8650.514**</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	Orange	4.0 mm	297 mm	363 mm	<b>8654.431</b>
Telescope blue 12° Ø 4 mm WL 298 mm				298 mm		<b>8654.531**</b>
Telescope 30° Ø 4 mm WL 300 mm	30°	Red	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope blue 30° Ø 4 mm WL 299 mm				299 mm		<b>8654.522**</b>
Telescope 30° Ø 3.3 mm WL 299 mm				3.3 mm		299 mm
Telescope 25° Ø 4 mm WL 342 mm	25°		4.0 mm	342 mm	404 mm	<b>8668.433*</b>
Telescope 70° Ø 4 mm WL 302 mm	70°	Yellow	4.0 mm	302 mm	364 mm	<b>8650.415</b>
Telescope blue 70° Ø 4 mm WL 303 mm				303 mm		364 mm

\* Only available in 25°.

\*\* We have adapted our PANOVIEW telescopes to our new, high-performance blue PDD system.

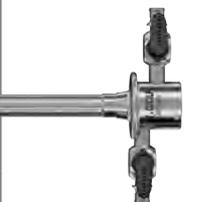
The PANOVIEW telescopes are marked "blue" to distinguish them and they can also be used with your existing PDD system, of course.

Recommended accessories		Product no.
<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>

## OVERVIEW

"SHARK" RESECTOSCOPES (MONOPOLAR/BIPOLAR)

### Sheaths for continuous irrigation

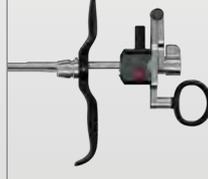
CI Double sheath system	
	
Outer sheath	Inner sheath
	
8675424	8675322
-	-
8675426	8675324
-	-

Sheath size	
CI	22/24 Fr
II	24 Fr
CI	24/26 Fr
II	26 Fr

### Sheaths for intermittent irrigation

II Sheath with rotatable irrigation adapter		
		
Rotatable irrigation adapter with 4 mm Luer connection	Rotatable irrigation adapter with 3 mm Luer connection, with stopcock	Sheath
		
-	-	-
8676354	8676361	8676324
-	-	-
8676354	8676361	8676326
Two-way stopcock 88351	Two-way stopcock 88350	

### Monopolar working elements

Active		Passive	
Handle closed	Handle closed with comfort thumb rest	Handle open	Handle closed
			
8681205*	-	8681224*	-
8674205	8674234	8674224	8674225
Spare rubber cap, red (Pack = 5 pcs) .....			8874
Thumb ring with relatively large inner diameter .....			15008.159

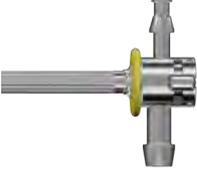
Direction of view
0°
12°
30°

CI = continuous irrigation II = intermittent irrigation

\* Not suitable for 22/24 Fr Double sheath system

VII25 II Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## Obturator

II Sheath with central stopcock	
	
Sheath	Connection part
	
-	-
8676424	8676342
-	-
8676426	8676343

Obturator	Viewing obturator	Dilatations obturator
		
		
8673022	8673122	-
8673024	8673124	8673224
8673026	8673126	8673226

## Telescopes, Ø 4 mm

Standard	PDD
	
8650.414	8650.514
8654.431	8654.531
8654.422	8654.522
Fiber light cable 2.5 mm 3.0 m set ..... 806625301	

## OVERVIEW

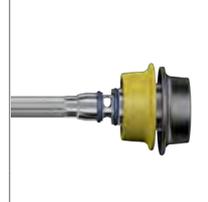
"SHARK" RESECTOSCOPES (MONOPOLAR/BIPOLAR)

### Sheaths for continuous irrigation

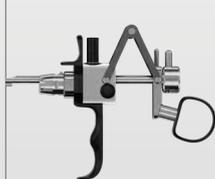
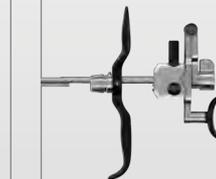
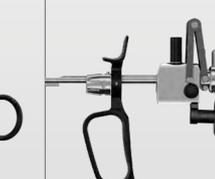
CI Double sheath system	
	
Outer sheath	Inner sheath
	
8675424	8675322
-	-
8675426	8675324
-	-

Sheath size	
CI	22/24 Fr
II	24 Fr
CI	24/26 Fr
II	26 Fr

### Sheaths for intermittent irrigation

II Sheath with rotatable irrigation adapter		
		
Rotatable irrigation adapter with 4 mm Luer connection	Rotatable irrigation adapter with 3 mm Luer connection, with stopcock	Sheath
		
-	-	-
8676354	8676361	8676324
-	-	-
8676354	8676361	8676326
Two-way stopcock 88351	Two-way stopcock 88350	

### Bipolar working elements

Active		Passive	
Handle closed	Handle open	Handle open	Handle closed
			
8680.205	8680.204	8680.224	8680.225
Spare rubber cap, black (Pack = 5 pcs) ..... 8880			
Thumb ring with relatively large inner diameter ..... 15008.159			

Direction of view
0°
12°
30°

CI = continuous irrigation  
 II = intermittent irrigation

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## Obturator

II Sheath with central stopcock	
	
Sheath	Connection part
-	-
8676424	8676342
-	-
8676426	8676343

Obturator	Viewing obturator	Dilatations obturator
		
		
8673022	8673122	-
8673024	8673124	8673224
8673026	8673126	8673226

## Telescopes, Ø 4 mm

Standard	PDD
	
8650.414	8650.514
8654.431	8654.531
8654.422	8654.522
Fiber light cable 2.5 mm 3.0 m set ..... 806625301	



# MONOPOLAR RESECTOSCOPE

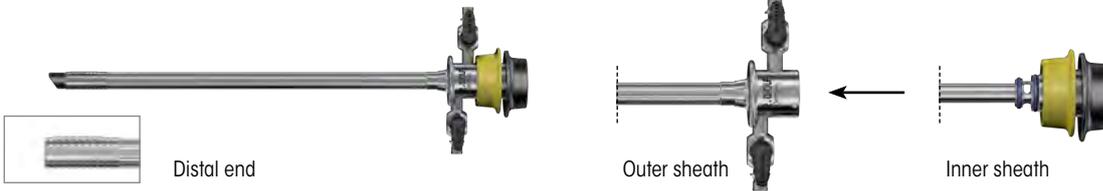
FOR TELESCOPE 4 MM, 0°, 12°, 30°  
WITH CONTINUOUS IRRIGATION DOUBLE SHEATH SYSTEM  
FOR RESECTION IN SALINE SOLUTION

Working element, inner sheath, and telescope rotate in outer sheath



**AUTOCLAVE**  
**134° C / 273° F**

**CI** Double sheath system



for sheath sizes		SL/WL	Color coding	Product no.
<b>CI</b> 22/24 Fr	Outer sheath for resectoscope 24 Fr	SL 189 mm	Green	<b>8675424</b>
	Inner sheath for resectoscope 22 Fr	SL 205 mm		<b>8675322</b>
Also:				
	Obturator for resectoscope 22 Fr	WL 232 mm	Green	<b>8673022</b>
	Viewing obturator for resectoscope 22 Fr			<b>8673122</b>
<b>CI</b> 24/26 Fr	Outer sheath for resectoscope 26 Fr	SL 189 mm	Yellow	<b>8675426</b>
	Inner sheath for resectoscope 24 Fr	SL 205 mm		<b>8675324</b>
Also:				
	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>

Telescopes		see UR045
Working elements		see UR056
Electrodes		see UR065-68
Monopolar connection cable		see UR0103/104

"SHARK" RESECTOSCOPES (MONOPOLAR/BIPOLAR)

1.11

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# MONOPOLAR RESECTOSCOPE

FOR TELESCOPE 4 MM, 0°, 12°, 30°

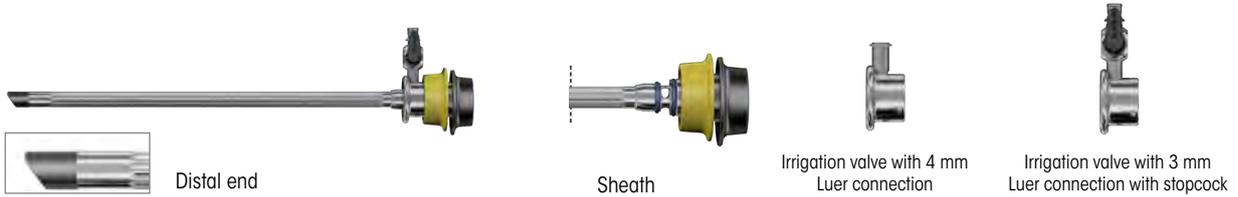
WITH INTERMITTENT IRRIGATION AND ROTATABLE IRRIGATION ADAPTER

FOR RESECTION IN SALINE SOLUTION



**AUTOCLAVE**  
134° C / 273° F

**II Sheath with rotatable irrigation adapter**



Distal end

Sheath

Irrigation valve with 4 mm Luer connection

Irrigation valve with 3 mm Luer connection with stopcock

for sheath sizes		SL/WL	Color coding	Product no.
 24 Fr	Sheath for resectoscope 24 Fr	SL 200 mm	Yellow	<b>8676324</b>
	Irrigation adapter for resectoscope 24/26 Fr with 4 mm Luer connection			<b>8676354*</b>
	Irrigation adapter for resectoscope 24/26 Fr with 3 mm Luer connection with stopcock			<b>8676361**</b>
Also:				
	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>
 26 Fr	Sheath for resectoscope 26 Fr	SL 201 mm	Black	<b>8676326</b>
	Irrigation adapter for resectoscope 24/26 Fr with 4 mm Luer connection			<b>8676354*</b>
	Irrigation adapter for resectoscope 24/26 Fr with 3 mm Luer connection with stopcock			<b>8676361**</b>
Also:				
	Obturator for resectoscope 26 Fr	WL 233 mm	Black	<b>8673026</b>
	Viewing obturator for resectoscope 26 Fr	WL 232 mm		<b>8673126</b>
	Dilatations obturator f. resectoscope 26 Fr	WL 248 mm		<b>8673226</b>
* for connection to rotatable irrigation adapter 8676354: Two-way stopcock, maintenance-free, with LUER-LOCK connection				<b>88351</b>
** for connection to rotatable irrigation adapter 8676361: Two-way stopcock, maintenance-free, with LUER-LOCK connection				<b>88350</b>

Telescopes		see UR045
Working elements		see UR056
Electrodes		see UR065-68
Monopolar connection cable		see UR0103/104

"SHARK" RESECTOSCOPES (MONOPOLAR/BIPOLAR)

1.11

V1125 II Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



# MONOPOLAR RESECTOSCOPE

FOR TELESCOPE 4 MM, 0°, 12°, 30°  
WITH INTERMITTENT IRRIGATION WITH CENTRAL STOPCOCK  
FOR RESECTION IN SALINE SOLUTION



**II** Sheath with central stopcock



for sheath sizes		SL/WL	Color coding	Product no.
<b>II</b> 24 Fr	Sheath for resectoscope 24 Fr	SL 195 mm	Yellow	<b>8676424</b>
	Connection part for resectoscope 24 Fr	-		<b>8676342</b>
Also:				
	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>
<b>II</b> 26 Fr	Sheath for resectoscope 26 Fr	SL 195 mm	Black	<b>8676426</b>
	Connection part for resectoscope 26 Fr	-		<b>8676343</b>
Also:				
	Obturator for resectoscope 26 Fr	WL 233 mm	Black	<b>8673026</b>
	Viewing obturator for resectoscope 26 Fr	WL 232 mm		<b>8673126</b>
	Dilatations obturator f. resectoscope 26 Fr	WL 248 mm		<b>8673226</b>

Telescopes		see UR045
Working elements		see UR056
Electrodes		see UR065-68
Monopolar connection cable		see UR0103/104

"SHARK" RESECTOSCOPES (MONOPOLAR/BIPOLAR)

1.11

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# BIPOLAR RESECTOSCOPE

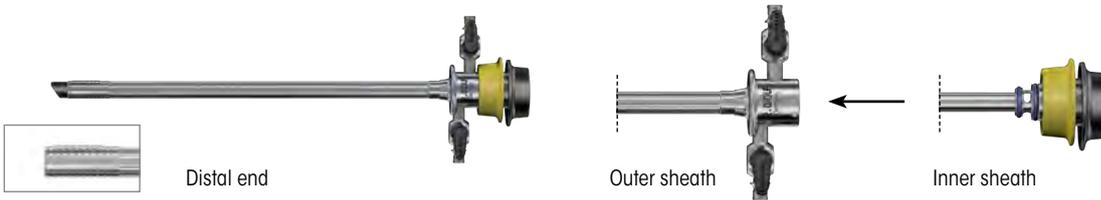
FOR TELESCOPE 4 MM, 0°, 12°, 30°  
WITH CONTINUOUS IRRIGATION DOUBLE SHEATH SYSTEM  
FOR RESECTION IN SALINE SOLUTION

Working element, inner sheath, and telescope rotate in outer sheath



**AUTOCLAVE**  
**134° C / 273° F**

**CI** Double sheath system



for sheath sizes		SL/WL	Color coding	Product no.
<b>CI</b> 22/24 Fr	Outer sheath for resectoscope 24 Fr	SL 189 mm	Green	<b>8675424</b>
	Inner sheath for resectoscope 22 Fr	SL 205 mm		<b>8675322</b>
Also:				
	Obturator for resectoscope 22 Fr	WL 232 mm	Green	<b>8673022</b>
	Viewing obturator for resectoscope 22 Fr			<b>8673122</b>
<b>CI</b> 24/26 Fr	Outer sheath for resectoscope 26 Fr	SL 189 mm	Yellow	<b>8675426</b>
	Inner sheath for resectoscope 24 Fr	SL 205 mm		<b>8675324</b>
Also:				
	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>

Telescopes		see URO45
Working elements		see URO57
Electrodes		see URO69-71
Bipolar connection cable		see URO105

"SHARK" RESECTOSCOPES (MONOPOLAR/BIPOLAR)

1.11

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# BIPOLAR RESECTOSCOPE

FOR TELESCOPE 4 MM, 0°, 12°, 30°

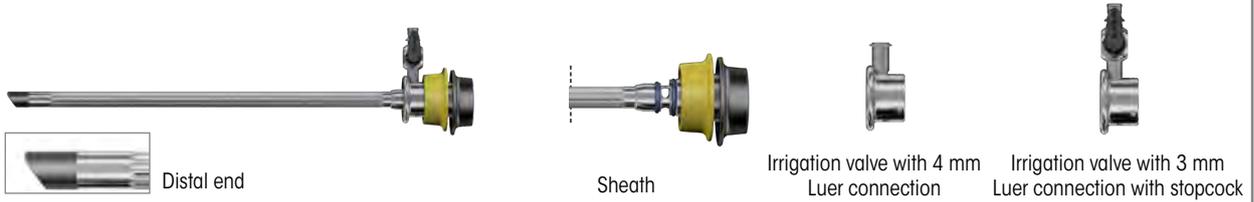
WITH INTERMITTENT IRRIGATION AND ROTATABLE IRRIGATION ADAPTER

FOR RESECTION IN SALINE SOLUTION



**AUTOCLAVE**  
134° C / 273° F

**II** Sheath with rotatable irrigation adapter



for sheath sizes		SL/WL	Color coding	Product no.
 24 Fr	Sheath for resectoscope 24 Fr	SL 200 mm	Yellow	<b>8676324</b>
	Irrigation adapter for resectoscope 24/26 Fr with 4 mm Luer connection			<b>8676354*</b>
	Irrigation adapter for resectoscope 24/26 Fr with 3 mm Luer connection with stopcock			<b>8676361**</b>
Also:				
	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>
 26 Fr	Sheath for resectoscope 26 Fr	SL 201 mm	Black	<b>8676326</b>
	Irrigation adapter for resectoscope 24/26 Fr with 4 mm Luer connection			<b>8676354*</b>
	Irrigation adapter for resectoscope 24/26 Fr with 3 mm Luer connection with stopcock			<b>8676361**</b>
Also:				
	Obturator for resectoscope 26 Fr	WL 233 mm	Black	<b>8673026</b>
	Viewing obturator for resectoscope 26 Fr	WL 232 mm		<b>8673126</b>
	Dilatations obturator f. resectoscope 26 Fr	WL 248 mm		<b>8673226</b>
* for connection to rotatable irrigation adapter 8676354: <b>Two-way stopcock, maintenance-free, with LUER-LOCK connection</b>				<b>88351</b>
** for connection to rotatable irrigation adapter 8676361: <b>Two-way stopcock, maintenance-free, with LUER-LOCK connection</b>				<b>88350</b>

Telescopes		see URO45
Working elements		see URO57
Electrodes		see URO69-71
Bipolar connection cable		see URO105

"SHARK" RESECTOSCOPES (MONOPOLAR/BIPOLAR)

1.11

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# BIPOLAR RESECTOSCOPE

FOR TELESCOPE 4 MM, 0°, 12°, 30°  
 WITH INTERMITTENT IRRIGATION WITH CENTRAL STOPCOCK  
 FOR RESECTION IN SALINE SOLUTION



**II Sheath with central stopcock**



for sheath sizes		SL/WL	Color coding	Product no.
<b>II</b> 24 Fr	Sheath for resectoscope 24 Fr	SL 195 mm	Yellow	<b>8676424</b>
	Connection part for resectoscope 24 Fr	-		<b>8676342</b>

Also:

	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>

**II**  
26 Fr

	Sheath for resectoscope 26 Fr	SL 195 mm	Black	<b>8676426</b>
	Connection part for resectoscope 26 Fr	-		<b>8676343</b>

Also:

	Obturator for resectoscope 26 Fr	WL 233 mm	Black	<b>8673026</b>
	Viewing obturator for resectoscope 26 Fr	WL 232 mm		<b>8673126</b>
	Dilatations obturator f. resectoscope 26 Fr	WL 248 mm		<b>8673226</b>

Telescopes		see URO45
Working elements		see URO57
Electrodes		see URO69-71
Bipolar connection cable		see URO105

"SHARK" RESECTOSCOPES (MONOPOLAR/BIPOLAR)  
1.11

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# MONOPOLAR WORKING ELEMENTS

FOR RESECTOSCOPES, MONOPOLAR  
TELESCOPE 4 MM, 0°, 12°, 30°

Direction of view 0°		Handle variants	Cutting	Product no.
<b>Working element active mono 0°</b> Cut is made against spring pressure		Handle closed	<b>Active</b>	<b>8681205*</b>
<b>Working element passive mono 0°</b> Cut is made with spring pressure		Handle open	<b>Passive</b>	<b>8681224*</b>

\* Not suitable for 22/24 Fr Double sheath system

Direction of view 12°/30°		Handle variants	Cutting	Product no.
<b>Working element active mono 12/30°</b> Cut is made against spring pressure		Handle closed	<b>Active</b>	<b>8674205</b>
<b>Working element active mono 12/30°</b> Cut is made against spring pressure		Handle closed with comfort thumb rest		<b>8674234</b>
<b>Working element passive mono 12/30°</b> Cut is made with spring pressure		Handle open	<b>Passive</b>	<b>8674224</b>
<b>Working element passive mono 12/30°</b> Cut is made with spring pressure		Handle closed		<b>8674225</b>

Recommended accessories		Product no.
<b>Rubber cap, red</b> (Pack = 5 PCS)	for sealing off the electrode clamping mechanism on the working element	<b>8874</b>
<b>Thumb ring</b>	with relatively large inner diameter	<b>15008.159</b>

"SHARK" RESECTOSCOPES (MONOPOLAR/BIPOLAR)

1.11

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## BIPOLAR WORKING ELEMENTS

FOR RESECTOSCOPES, BIPOLAR  
TELESCOPE 4 MM, 0°, 12°, 30°

Direction of view 0°/12°/30°		Handle variants	Cutting	Product no.
<b>Working element active</b> <b>bipo 0/12/30°</b>  Cut is made against spring pressure		Handle open	<b>Active</b>	<b>8680.204</b>
<b>Working element active</b> <b>bipo 0/12/30°</b>  Cut is made against spring pressure		Handle closed		<b>8680.205</b>
<b>Working element passive</b> <b>bipo 0/12/30°</b>  Cut is made with spring pressure		Handle open	<b>Passive</b>	<b>8680.224</b>
<b>Working element passive</b> <b>bipo 0/12/30°</b>  Cut is made with spring pressure		Handle closed		<b>8680.225</b>

Recommended accessories		Product no.
<b>Rubber cap, black</b> (Pack = 5 PCS)	for sealing off the electrode clamping mechanism on the working element	<b>8880</b>
<b>Thumb ring</b>	with relatively large inner diameter	<b>15008.159</b>

"SHARK" RESECTOSCOPES (MONOPOLAR/BIPOLAR)

1.11

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E-line

**MONOPOLAR RESECTOSCOPE**  
FOR RESECTOSCOPE, LONG SHEATH MONOPOLAR  
TELESCOPE 4 MM, 25°



**II** Sheath with distal ceramic insulation, rotatable irrigation ring



Distal end

for sheath sizes		SL/WL	Color coding	Product no.
 24 Fr	Long sheath for resectoscope 24 Fr	SL 257 mm	Yellow	<b>8668.024</b>
<b>Also:</b>				
	Obturator for resectoscope 24 Fr	WL 279 mm	Yellow	<b>8668.12</b>
	Cutting electrode mono 24 Fr 25°, round loop	-	Branch, green Stem, red	<b>8439.03</b>

Direction of view 25°		Handle variants	Cutting	Product no.
<b>Working element active mono 25°</b> Cut is made against spring pressure		Handle open	<b>Active</b>	<b>8668.204</b>
<b>Working element passive mono 25°</b> Cut is made with spring pressure		Handle closed	<b>Passive</b>	<b>8668.225</b>
<b>Recommended accessories</b>				<b>Product no.</b>
Thumb ring with relatively large inner diameter				<b>15008.159</b>

	Direction of view	Ø	WL	TL	Product no.
Telescope 25° Ø 4 mm WL 342 mm	0°	4.0 mm	342 mm	404 mm	<b>8668.433</b>



<b>Recommended accessories</b>		<b>Product no.</b>
<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>
<b>Monopolar connection cable</b>		see UR0103/104

"E-LINE" RESECTOSCOPE LONG SHEATH  
1.12

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# MIDI size

## RESECTOSCOPE



	consisting of:	Product no.
<b>Sheath for resectoscope 14.5 Fr</b> with irrigation valve	Sheath for resectoscope 14.5 Fr (86770155), obturator for resectoscope 14.5 Fr (86770157), tube with LUER-LOCK connector (886.00)	<b>86770151</b>

Also: individual sheaths and obturators



Individual sheath and obturator	SL/WL	Color coding	Product no.	Working element, active, mono 0°
<b>Sheath for resectoscope 14.5 Fr</b>	SL 221 mm	White	<b>86770155</b>	<b>8677.224</b>
<b>Obturator for resectoscope 14.5 Fr</b>	WL 240 mm	White	<b>86770157</b>	

Also: 

PANOVIEW telescope	Ø	WL	TL	Product no.
<b>Telescope 0° Ø 2.7 mm WL 267 mm</b>	2.7 mm	267 mm	334 mm	<b>8672430</b>



Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm <b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>
<b>Container (W x H x D) 300 x 60 x 200 mm</b>	<b>33020</b>
<b>Monopolar connection cable</b>	see UR0103/104

"MIDI-SIZE" RESECTOSCOPE

1.13

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## MIDI size

### AUXILIARY INSTRUMENTS

Stricture scalpels with ceramic cutter		Cutting surface	Product no.
	<b>Scalpel 14.5 Fr, lancet-shaped</b>	Lancet-shaped, cuts on both sides	<b>8677981</b>
	<b>Scalpel 14.5 Fr, sickle-shaped</b>	Sickle-shaped	<b>8677931</b>

Electrodes		Electrode shape	Product no.
	<b>Coag. electrode mono 14.5 Fr 0°</b> Stem color yellow	Button	<b>8416011</b>
	<b>Cutting electrode mono 14.5 Fr 0°</b> Stem color yellow	Round loop	<b>8416031</b>
	<b>Hook electrode mono 14.5 Fr 0°</b> Stem color yellow	Hook	<b>8416091</b>

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# System blue

## SYSTEM COMPONENTS

### FOR PHOTODYNAMIC DIAGNOSTICS (PDD)

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				Product no.
<b>ENDOLIGHT LED blue bndl</b> consisting of: ENDOLIGHT LED blue (5165001), patch cable, RJ45 SFTP, 0.5 m (72325378), toggle footswitch (2030.105), and power cable 3 m long (2440.03)				<b>51650011</b>
<b>ENDOCAM Logic 4K camera control unit bndl</b> consisting of: ENDOCAM Logic 4K camera control unit (5525301), handheld remote control (5525401), USB flash memory 32 GB (72321829), HDMI/HDMI cable, lockable, 3.0 m (103847), and power cable (2440.03)				<b>55253011</b>
<b>ENDOCAM Logic HD Pendual camera head blue</b> Cable length 3 m				<b>5525833</b>
<b>Also:</b>				
PANOVIEW	Ø	WL	TL	Product no.
Telescope blue 0° Ø 4 mm WL 298 mm	4.0 mm	298 mm	365 mm	<b>8650.514</b>
Telescope blue 12° Ø 4 mm WL 298 mm		298 mm	363 mm	<b>8654.531</b>
Telescope blue 30° Ø 4 mm WL 299 mm		299 mm	364 mm	<b>8654.522</b>
Telescope blue 70° Ø 4 mm WL 303 mm		303 mm	362 mm	<b>8650.515</b>
<b>Special fiber light cable 3.5 mm, 2.3 m set</b> consisting of: Fiber light cable blue Ø 3.5 mm (80673523), endoscope-side adapter (809509)	3.5 mm		2.3 m	<b>806735231</b>

"SYSTEM BLUE" FOR PHOTODYNAMIC DIAGNOSTICS (PDD)

1.14

## System blue

### SYSTEM COMPONENTS FOR PHOTODYNAMIC DIAGNOSTICS (PDD)

#### TUR-B (MONOPOLAR RESECTION OF BLADDER TUMORS)

Transurethral resection of the bladder (TUR-B)		Product no.
<b>Recommendation: TUR-B/monopolar SHARK continuous irrigation resectoscope</b> 22/24 Fr, 30°, for monopolar resection of bladder tumors		
	<b>Working element active mono 12/30°</b> Active, closed	<b>8674205</b>
	Optional: <b>working element, passive, mono 12/30°</b> Passive, closed	<b>8674225</b>
	<b>Outer sheath for resectoscope 24 Fr</b>	<b>8675424</b>
	<b>Inner sheath for resectoscope 22 Fr</b>	<b>8675322</b>
	<b>Obturator for resectoscope 22 Fr</b>	<b>8673022</b>
	<b>Viewing obturator for resectoscope 22 Fr</b>	<b>8673122</b>
	<b>Special fiber light cable 3.5 mm, 2.3 m SET</b>	<b>806735231</b>
	<b>Telescope blue 30° Ø 4 mm WL 299 mm</b>	<b>8654.522</b>
	Optional: <b>telescope blue 12° Ø 4 mm WL 298 mm</b>	<b>8654.531</b>
	<b>Cutting electrode mono 22 Fr 12/30°</b> In individual sterile packaging (Pack = 10 PCS)	<b>46782225</b>
<b>Coag. electrode mono 22–24 Fr 12/30°</b> In individual sterile packaging (Pack = 5 PCS)	<b>46782201</b>	
<b>Recommendation: TUR-B/monopolar SHARK continuous irrigation resectoscope</b> 24/26 Fr, 30°, for monopolar resection of bladder tumors		
	<b>Working element active mono 12/30°</b> Active, closed	<b>8674205</b>
	Optional: <b>working element, passive, mono 12/30°</b> Passive, closed	<b>8674225</b>
	<b>Outer sheath for resectoscope 26 Fr</b>	<b>8675426</b>
	<b>Inner sheath for resectoscope 24 Fr</b>	<b>8675324</b>
	<b>Obturator for resectoscope 24 Fr</b>	<b>8673024</b>
	<b>Viewing obturator for resectoscope 24 Fr</b>	<b>8673124</b>
	<b>Dilatations obturator f. resectoscope 24 Fr</b>	<b>8673224</b>
	<b>Special fiber light cable 3.5 mm, 2.3 m SET</b>	<b>806735231</b>
	<b>Telescope blue 30° Ø 4 mm WL 299 mm</b>	<b>8654.522</b>
	Optional: <b>telescope blue 12° Ø 4 mm WL 298 mm</b>	<b>8654.531</b>
<b>Cutting electrode mono 24 Fr 12/30°</b> In individual sterile packaging (Pack = 10 PCS)	<b>46782425</b>	

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"SYSTEM BLUE" FOR PHOTODYNAMIC DIAGNOSTICS (PDD)

1.14

# System blue

## SYSTEM COMPONENTS FOR PHOTODYNAMIC DIAGNOSTICS (PDD)

### TUR-B (BIPOLAR RESECTION OF BLADDER TUMORS)

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Transurethral resection of the bladder (TUR-B)		Product no.
<b>Recommendation: TUR-B/bipolar SHARK continuous irrigation resectoscope</b> 22/24 Fr, 30°, for bipolar resection of bladder tumors		
 	<b>Working element active bipo 0/12/30°</b> Active, closed	<b>8680.205</b>
	Optional: <b>working element, passive, bipo 0/12/30°</b> Passive, closed	<b>8680.225</b>
	<b>Outer sheath for resectoscope 24 Fr</b>	<b>8675424</b>
	<b>Inner sheath for resectoscope 22 Fr</b>	<b>8675322</b>
	<b>Obturator for resectoscope 22 Fr</b>	<b>8673022</b>
	<b>Viewing obturator for resectoscope 22 Fr</b>	<b>8673122</b>
	<b>Special fiber light cable 3.5 mm, 2.3 m SET</b>	<b>806735231</b>
	<b>Telescope blue 30° Ø 4 mm WL 299 mm</b>	<b>8654.522</b>
	Optional: <b>telescope blue 12° Ø 4 mm WL 298 mm</b>	<b>8654.531</b>
	<b>Cutting electrode bipo 22 Fr 12/30°</b> In individual sterile packaging (Pack = 3 PCS)	<b>4622.2533</b>
	<b>Cutting electrode bipo 22 Fr 12/30°</b> In individual sterile packaging (Pack = 3 PCS)	<b>4622.1333</b>
	<b>Coag. electrode bipo 22 Fr 12/30°</b> In individual sterile packaging (Pack = 3 PCS)	<b>4623.0243</b>
<b>Recommendation: TUR-B/bipolar SHARK continuous irrigation resectoscope</b> 24/26 Fr, 30°, for bipolar resection of bladder tumors		
 	<b>Working element active bipo 0/12/30°</b> Active, closed	<b>8680.205</b>
	Optional: <b>working element, passive, bipo 0/12/30°</b> Passive, closed	<b>8680.225</b>
	<b>Outer sheath for resectoscope 26 Fr</b>	<b>8675426</b>
	<b>Inner sheath for resectoscope 24 Fr</b>	<b>8675324</b>
	<b>Obturator for resectoscope 24 Fr</b>	<b>8673024</b>
	<b>Viewing obturator for resectoscope 24 Fr</b>	<b>8673124</b>
	<b>Special fiber light cable 3.5 mm, 2.3 m SET</b>	<b>806735231</b>
	<b>Telescope blue 30° Ø 4 mm WL 299 mm</b>	<b>8654.522</b>
	Optional: <b>telescope blue 12° Ø 4 mm WL 298 mm</b>	<b>8654.531</b>
	Optional: <b>telescope blue 12° Ø 4 mm WL 298 mm</b>	<b>8654.531</b>
	<b>Cutting electrode bipo 24–26 Fr 12/30°</b> In individual sterile packaging (Pack = 3 PCS)	<b>4622.2513</b>
	<b>Cutting electrode bipo 24 Fr 12/30°</b> In individual sterile packaging (Pack = 3 PCS)	<b>4622.1313</b>
	<b>Cutting electrode bipo 24–26 Fr 12/30°</b> (oval, specifically for en bloc resection) In individual sterile packaging (Pack = 3 PCS)	<b>4622.1323</b>
	<b>Cutting electrode bipo 24–26 Fr 12/30°</b> In individual sterile packaging (Pack = 3 PCS)	<b>4623.0223</b>

"SYSTEM BLUE" FOR PHOTODYNAMIC DIAGNOSTICS (PDD)

1.14



# MONOPOLAR ELECTRODES

FOR MULTIPLE USE

12°/30°



spirit of excellence

## 12°/30°, for multiple use, monopolar

	Designation	Bracket	for sheath sizes [in Fr]				Color coding		Model
			CI 22/24	II 24	CI 24/26	II 26	Branch	Stem	
	Cutting electrode mono 22 Fr 12/30°	Loop Ø 0.35 mm	●	–	–	–	Green	Dark gray	86782235
	Cutting electrode mono 24 Fr 12/30°		–	●	●	–	Yellow	Dark gray	86782435
	Cutting electrode mono 26 Fr 12/30°		–	–	–	●	Black	Dark gray	86782635
	Cutting electrode mono 24 Fr 12/30°	Loop Ø 0.8 mm	–	●	●	–	Yellow	Dark gray	86782480
	Coag. electrode mono 22–24 Fr 12/30°	Roller	●	●	●	–	Green	Dark gray	86782201
	Coag. electrode mono 26 Fr 12/30°		–	–	–	●	Black	Dark gray	86782601
	Coag. electrode mono 22–24 Fr 12/30°	Ball	●	●	●	–	Green	Dark gray	86782202
	Coag. electrode mono 22–24 Fr 12/30°	Button	●	●	●	–	Green	Dark gray	86782203
	Coag. electrode mono 26 Fr 12/30°		–	–	–	●	Black	Dark gray	86782603
	Knife electrode mono 22–24 Fr 12/30°	Knife	●	●	●	–	Green	Dark gray	86782204
	Knife electrode mono 26 Fr 12/30°		–	–	–	●	Black	Dark gray	86782604
	Hook electrode mono 22–24 Fr 12/30°	Hook	●	●	●	–	Green	Dark gray	86782205
	Hook electrode mono 26 Fr 12/30°		–	–	–	●	Black	Dark gray	86782605

● Suitable for corresponding sheath size – Not suitable

CI = continuous irrigation

II = intermittent irrigation

"SHARK" ELECTRODES (MONOPOLAR/BIPOLAR) – "E-LINE" ELECTRODES

1.15

Recommended accessories	Product no.
Protective sterilization sleeve Receptacle for max. 5 electrodes, reusable  <b>AUTOCLAVE</b> <b>134° C / 273° F</b>	33030

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



# MONOPOLAR ELECTRODES

FOR MULTIPLE USE

12°/30°

## 12°/30°, for multiple use, monopolar

	Designation	Bracket	for sheath sizes [in Fr]				Color coding		Model
			CI 22/24	II 24	CI 24/26	II 26	Branch	Stem	
	EVAP-Elektrode mono 24–26 Fr 12/30°	Barrel	–	•	•	•	Yellow	Dark gray	86782407
	EVAP-Elektrode mono 24–26 Fr 12/30°	Pyramid	–	•	•	•	Yellow	Dark gray	86782408
	Wing electrode mono 22 Fr 12/30°	Wing	•	–	–	–	Green	Dark gray	86782206
	EVAP-Elektrode mono 24 Fr 12/30°	(bracket profile, flat)	–	•	•	–	Yellow	Dark gray	86782406

• Suitable for corresponding sheath size    – Not suitable

**CI** = continuous irrigation

**II** = intermittent irrigation

Recommended accessories	Product no.
<b>Protective sterilization sleeve</b> Receptacle for max. 5 electrodes, reusable	 <b>AUTOCLAVE</b> <b>134° C / 273° F</b>
	<b>33030</b>



# MONOPOLAR ELECTRODES

FOR MULTIPLE USE

0°

## 0°, for multiple use, monopolar

	Designation	Bracket	for sheath sizes [in Fr]				Color coding		Model
			CI 22/24	II 24	CI 24/26	II 26	Branch	Stem	
	Cutting electrode mono 24 Fr 0°	Loop Ø 0.35 mm	-	●	●	-	Yellow	Dark gray	86792435
	Cutting electrode mono 26 Fr 0°		-	-	-	●	Black	Dark gray	86792635
	Coag. electrode mono 24 Fr 0°	Roller	-	●	●	-	Green	Dark gray	86792201
	Coag. electrode mono 24-26 Fr 0°	Ball	-	●	●	●	Transparent	Dark gray	86792202
	EVAP-Elektrode mono 24-26 Fr 0°	Barrel	-	●	●	●	Yellow	Dark gray	86792407
	Knife electrode mono 24-26 Fr 0°	Knife	-	●	●	●	Transparent	Dark gray	86792204
	Hook electrode mono 24-26 Fr 0°	Hook	-	●	●	●	Transparent	Dark gray	86792205

● Suitable for corresponding sheath size    - Not suitable

CI = continuous irrigation

II = intermittent irrigation

"SHARK" ELECTRODES (MONOPOLAR/BIPOLAR) – "E-LINE" ELECTRODES

1.15

Recommended accessories	Product no.
<p><b>Protective sterilization sleeve</b> Receptacle for max. 5 electrodes, reusable</p> <p style="text-align: center;"><b>AUTOCLAVE</b> <b>134° C / 273° F</b></p>	<b>33030</b>

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



# MONOPOLAR ELECTRODES

FOR SINGLE USE

12°/30°



spirit of excellence

12°/30°, for single use, sterile\*, monopolar

	Designation (Pack = 5 PCS)	Bracket	for sheath sizes [in Fr]				Color coding		Model
			CI 22/24	II 24	CI 24/26	II 26	Branch	Stem	
	Cutting electrode mono 22 Fr 12/30°	Loop Ø 0.35 mm	●	–	–	–	Green	Transparent	46782235
	Cutting electrode mono 24 Fr 12/30°		–	●	●	–	Yellow	Transparent	46782435
	Cutting electrode mono 26 Fr 12/30°		–	–	–	●	Black	Transparent	46782635
	Cutting electrode mono 22 Fr 12/30°	Loop Ø 0.25 mm	●	–	–	–	Green	Transparent	46782225
	Cutting electrode mono 24 Fr 12/30°		–	●	●	–	Yellow	Transparent	46782425
(Pack = 10 PCS)									
	Cutting electrode mono 24 Fr 12/30°	Loop Ø 0.8 mm	–	●	●	–	Yellow	Transparent	46782480
	Hook electrode mono 24 Fr 12/30°	Hook	●	●	●	–	Green	Transparent	46782205
	Hook electrode mono 26 Fr 12/30°		–	–	–	●	Black	Transparent	46782605
	Coag. electrode mono 22–24 Fr 12/30°	Roller	●	●	●	–	Green	Transparent	46782201
	Coag. electrode mono 22–24 Fr 12/30°	Ball	●	●	●	–	Green	Transparent	46782202
	Coag. electrode mono 22–24 Fr 12/30°	Button	●	●	●	–	Green	Transparent	46782203
	Coag. electrode mono 26 Fr 12/30°		–	–	–	●	Black	Transparent	46782603
	Knife electrode mono 22–24 Fr 12/30°	Knife	●	●	●	–	Green	Transparent	46782204
	Knife electrode mono 26 Fr 12/30°		–	–	–	●	Black	Transparent	46782604

● Suitable for corresponding sheath size    – Not suitable

\* In individual sterile packaging

CI = continuous irrigation

II = intermittent irrigation

"SHARK" ELECTRODES (MONOPOLAR/BIPOLAR) – "E-LINE" ELECTRODES

1.15

Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



# MONOPOLAR ELECTRODES

FOR SINGLE USE

0°

0°, for single use, sterile\*, monopolar

	Designation (Pack = 5 PCS)	Bracket	for sheath sizes [in Fr]				Color coding		Model
			CI 22/24	II 24	CI 24/26	II 26	Branch	Stem	
	Cutting electrode mono 24 Fr 0°	Loop	-	●	●	-	Yellow	Transparent	46792435
	Cutting electrode mono 26 Fr 0°	Ø 0.35 mm	-	-	-	●	Black	Transparent	46792635
	Hook electrode mono 24 Fr 0°	Hook	-	●	●	-	Transparent	Transparent	46792205
	Coag. electrode mono 24 Fr 0°	Roller	-	●	●	-	Green	Transparent	46792201
	Knife electrode mono 24 Fr 0°	Knife	-	●	●	-	Transparent	Transparent	46792204

● Suitable for corresponding sheath size    - Not suitable

\* In individual sterile packaging

CI = continuous irrigation

II = intermittent irrigation



# BIPOLAR ELECTRODES

FOR MULTIPLE USE

0°/12°/30°

## 12°/30°, for multiple use, bipolar

	Designation	Bracket	for sheath sizes [in Fr]				Color coding		Model
			CI 22/24	II 24	CI 24/26	II 26	Branch	Stem	
	Cutting electrode bipo 22 Fr 12/30°	Loop Ø 0.3 mm	•	–	–	–	Blue	Yellow	8622133
	Cutting electrode bipo 24 Fr 12/30°		–	•	•	•	Blue	Yellow	8622131
	Coag. electrode bipo 22–26 Fr 12/30°	Cylinder Ø 1.2 mm	•	•	•	•	Blue	Yellow	8623022
	Hook electrode bipo 22–26 Fr 12/30°	Hook	•	•	•	•	Blue	Yellow	862309

## 0°, for multiple use, bipolar

	Designation	Bracket	for sheath sizes [in Fr]				Color coding		Model
			CI 22/24	II 24	CI 24/26	II 26	Branch	Stem	
	Cutting electrode bipo 24 Fr 0°	Loop Ø 0.3 mm	–	•	•	–	Blue	Yellow	8609031

• Suitable for corresponding sheath size    – Not suitable

**CI** = continuous irrigation

**II** = intermittent irrigation

Recommended accessories	Product no.
<b>Protective sterilization sleeve</b> Receptacle for max. 5 electrodes, reusable 	<b>33030</b> <b>AUTOCLAVE</b> <b>134° C / 273° F</b>



# BIPOLAR ELECTRODES

FOR SINGLE USE

12°/30°

12°/30°, for single use, sterile\*, bipolar

	Designation (Pack = 3 PCS)	Bracket	for sheath sizes [in Fr]				Color coding		Model
			CI 22/24	II 24	CI 24/26	II 26	Branch	Stem	
	Cutting electrode bipo 22 Fr 12/30°	Loop Ø 0.3 mm	●	–	–	–	Blue	Blue	4622.1333
	Cutting electrode bipo 24 Fr 12/30°		–	●	●	–	Blue	Blue	4622.1313
	Cutting electrode bipo 26 Fr 12/30°		–	–	●	●	Green	Blue	4624.1313
	Cutting electrode bipo 22 Fr 12/30°	Loop Ø 0.25 mm	●	–	–	–	Blue	Blue	4622.2533
	Cutting electrode bipo 24–26 Fr 12/30°		–	●	●	●	Blue	Blue	4622.2513
	Cutting electrode bipo 24–26 Fr 12/30° Oval, specifically for en bloc resection	Loop Ø 0.3 mm	–	●	●	●	Blue	Blue	4622.1323
	Coag. electrode bipo 22 Fr 12/30°	Cylinder Ø 1.2 mm	●	–	–	–	Blue	Blue	4623.0243
	Coag. electrode bipo 24–26 Fr 12/30°		–	●	●	●	Blue	Blue	4623.0223
	BiVAP-Elektrode bipo 22 Fr 12/30°	Torus	●	–	–	–	Blue	Blue	46300223
	BiVAP-Elektrode bipo 24–26 Fr 12/30°		–	●	●	●	Blue	Blue	46300243
	Enucleation electrode bipo 22 Fr 12/30°	Torus	●	–	–	–	Blue	Blue	46400223
	Enucleation electrode bipo 24 Fr 12/30°		–	●	●	●	Blue	Blue	46400243

● Suitable for corresponding sheath size    – Not suitable

\* In individual sterile packaging

CI = continuous irrigation

II = intermittent irrigation

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



# BIPOLAR ELECTRODES

FOR SINGLE USE

0°

0°, for single use, sterile\*, bipolar

	Designation (Pack = 3 PCS)	Bracket	for sheath sizes [in Fr]				Color coding		Model
			CI 22/24	II 24	CI 24/26	II 26	Branch	Stem	
	Cutting electrode bipo 24 Fr 0°	Loop Ø 0.3 mm	-	•	•	-	Blue	Blue	4609.0313
	Cutting electrode bipo 24 Fr 0°	Loop Ø 0.25 mm	-	•	•	-	Blue	Blue	4609.2513
	Coag. electrode bipo 24-26 Fr 0°	Cylinder Ø 1.2 mm	-	•	•	•	Blue	Blue	4610.0223
	BiVAP-Elektrode bipo 24-26 Fr 0°	Torus	-	•	•	•	Blue	Blue	46310243

• Suitable for corresponding sheath size    - Not suitable

\* In individual sterile packaging

CI = continuous irrigation

II = intermittent irrigation

## MONOPOLAR ELECTRODES

FOR RESECTOSCOPES, TELESCOPE 4 MM,  
25°, LONG SHEATH

**25°, for multiple use, monopolar**

	Designation	Bracket	 24	Color coding		Model
				Branch	Stem	
	Cutting electrode mono 24 Fr 25°	Loop Ø 0.3 mm	•	Green	Red	8439.03
	Coag. electrode mono 24 Fr 25°	Roller	•	Blue	Red	8440.02

Recommended accessories	Product no.
<p><b>Protective sterilization sleeve</b> Receptacle for max. 5 electrodes, reusable</p>  <p><b>AUTOCLAVE</b> <b>134° C / 273° F</b></p>	<b>33030</b>

|| Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# ACCESSORIES

## FOR RESECTOSCOPE SHEATHS



for sheath sizes [in Fr]		Via	Working units of cysto-urethroscope 8650 for use in resectoscope sheaths		with telescope Ø 4 mm	
 24/26 Fr	 26 Fr		Version	Product no.		
•	•	Only for diagnostics	<b>Adapter with instrument port</b> 	<b>8652.264</b>	0°, 12°, 30°, 70°	
•	•	<b>Adapter for E-Line sheaths 8652</b>  <b>8652.704</b>	<b>Opt. scissors, "Wuppertal" model</b> 	<b>8650.644</b>	0°	
-	•		<b>Opt. biopsy forceps, "Marburg" model</b> 	<b>8650.614</b>	0°	
-	•		<b>Opt. grasping forceps, curved downward</b> 	<b>8650.654</b>	0°	
-	•		<b>Opt. biopsy forceps, spoon downward</b> 	<b>8650.774</b>	0°	
-	•		<b>Opt. grasping forceps, straight</b> 	<b>8650.684</b>	0°	
-	•		<b>Opt. biopsy forceps, spoon-shaped</b> 	<b>8650.604</b>	0°	
-	•		<b>Opt. coag. biopsy forceps, Tauber</b> 	<b>8650.624</b>	0°	
-	•		without adapter	<b>Working insert for cystoscope 0/30/70* or working insert for cystoscope 30/70**</b> 	<b>8650.204*</b> or <b>8650.214**</b>	(0°, 12°) 30°, 70°

 = intermittent irrigation

 = continuous irrigation

"SHARK" ELECTRODES (MONOPOLAR/BIPOLAR) – "E-LINE" ELECTRODES

1.15

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

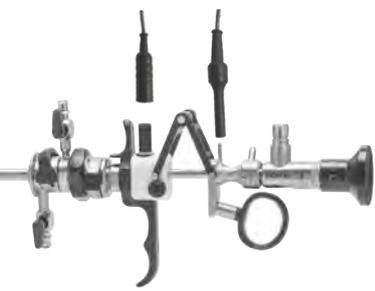
# ACCESSORIES

FOR RESECTOSCOPE SHEATHS   
WITH 4 MM TELESCOPE

		Ø	for sheaths	
			with rotatable and replaceable irrigation ring	with fixed Luer stopcock
			Capacity 4 mm	Capacity 3 mm
	Two-way stopcock, maintenance-free with LUER-LOCK connection, reusable	3 mm		<b>88350</b>
		4 mm	<b>88351</b>	
	Stopcock LUER-LOCK connection Ø 3 mm	3 mm		<b>884.00</b>
	Stopcock LUER-LOCK connection Ø 4 mm	4 mm	<b>884.01</b>	
	Tube with LUER-LOCK connector	3 mm		<b>886.00</b>

# ACCESSORIES

## HF CONNECTION CABLE BIPO FOR RESECTION IN SALINE SOLUTION

Instrument connector	Device connector		Product no.
<p><b>WOLF S(a)line resectoscopes</b></p> 	 Erbe VIO 300D	<p><b>Bipolar cable; TUR/TCR; WOLF</b></p> <p>MF plug; L 4 m</p>	<p><b>20196-119</b></p>
	 Erbe VIO 3	<p><b>Bipolar cable; MF-U</b></p> <p>MF plug; L 4.5 m</p>	<p><b>21196-119</b></p>
	 KLS Martin	<p><b>HF connection cable bipo; L 3 m</b></p>	<p><b>8108.231</b></p>
	 KLS Martin	<p><b>HF connection cable bipo; L 5 m</b></p>	<p><b>8108.251</b></p>
	 R. Wolf HF surgical generator 400 kHz 2260001/2260002	<p><b>HF connection cable bipo; L 3 m</b></p>	<p><b>8108233</b></p>
	 R. Wolf HF surgical generator 400 kHz 2260001/2260002	<p><b>HF connection cable bipo; L 5 m</b></p>	<p><b>8108253</b></p>

|| Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# GREENLIGHT™ CONTINUOUS IRRIGATION LASER CYSTOSCOPE "MoXy™"

PARTICULARLY FOR THE USE OF MOXY™ LASER FIBERS

LASER ENUCLEATION

1.17



**CI** Double sheath system



for sheath sizes		SL/WL	Color coding	Product no.	
<b>CI</b> 24.4 Fr	Outer sheath for laser therapy 24.5 Fr	SL 205 mm	Green	<b>8632028</b>	
	Inner sheath for laser therapy	SL 217 mm		<b>8632029</b>	
<b>Also:</b>					
	Obturator for laser therapy 24.5 Fr	WL 220 mm	Green	<b>8632128</b>	
	Viewing obturator for laser therapy 24.5 Fr	WL 219 mm		<b>8632728</b>	
Working insert for freely controlling the laser fiber without a stop. Stabilizes the fiber tip incredibly well during GreenLight vaporization, for example				Product no.	
<b>Laser working insert 12/30</b> "MoXy™" for flexible auxiliary instruments up to 6.5 Fr				<b>8632.284</b>	
<b>Rubber cap for hysteroscope</b> Extended, red-orange (1 PC)				<b>18.01</b>	
<b>Also:</b> 					
PANOVIEW	Direction of view	Ø	WL	TL	Product no.
Telescope 30° Ø 4 mm WL 300 mm	30°	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	4.0 mm	297 mm	363 mm	<b>8654.431</b>
<b>Recommended accessories</b>					Product no.
<b>Perforated basket for standard telescope 2</b>		Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm			<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long			<b>806625231</b>

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

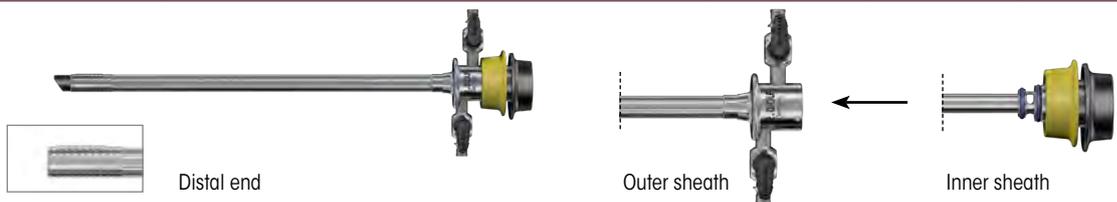


# GREENLIGHT™ CONTINUOUS IRRIGATION LASER RESECTOSCOPE "MoXy™"

PARTICULARLY FOR THE USE OF MOXY™ LASER FIBERS



**CI Double sheath system**



for sheath sizes		SL/WL	Color coding	Product no.
<b>CI</b> 24 Fr	Outer sheath for resectoscope 24 Fr	SL 189 mm	Green	<b>8675424</b>
	Inner sheath for resectoscope 22 Fr	SL 205 mm		<b>8675322</b>

**Also:**

	Obturator for resectoscope 22 Fr	WL 232 mm	Green	<b>8673022</b>
	Viewing obturator for resectoscope 22 Fr			<b>8673122</b>
<b>CI</b> 26 Fr	Outer sheath for resectoscope 26 Fr	SL 189 mm	Yellow	<b>8675426</b>
	Inner sheath for resectoscope 24 Fr	SL 205 mm		<b>8675324</b>

**Also:**

	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>

Working insert for freely controlling the laser fiber without a stop. Stabilizes the fiber tip incredibly well during GreenLight vaporization, for example	Product no.
<b>Laser working insert 12/30</b> "MoXy™" for flexible auxiliary instruments up to 6.5 Fr	<b>8632.284</b>
<b>Rubber cap for hysteroscope, extended, red-orange (1 PC)</b>	<b>18.01</b>

**Also:**

PANOVIEW	Direction of view	Ø	WL	TL	Product no.
Telescope 30° Ø 4 mm WL 300 mm	30°	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	4.0 mm	297 mm	363 mm	<b>8654.431</b>

**Recommended accessories**

	Product no.
<b>Perforated basket for standard telescope 2</b>	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806625231</b>

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

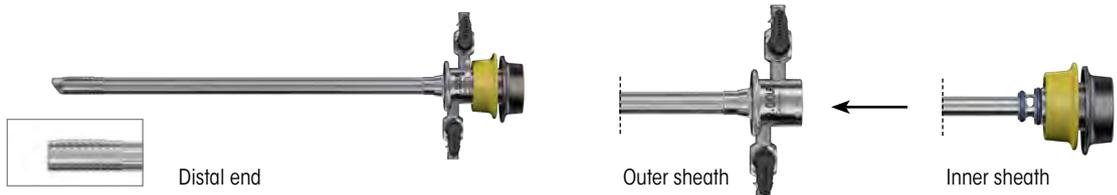


# CONTINUOUS IRRIGATION LASER ENUCLEATION SHEATH 26 Fr "MoXy™"

FOR **BLUNT** ENUCLEATION OF THE PROSTATE



**CI** Double sheath system



for sheath sizes		SL/WL	Color coding	Product no.
	Outer sheath for resectoscope 26 Fr	SL 189 mm	Yellow	<b>8675426</b>
	Inner sheath for laser therapy 24 Fr	SL 203 mm		<b>8675524</b>

**Also:**

	Obturator for resectoscope 24 Fr	WL 232 mm	Yellow	<b>8673324</b>
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Working insert for freely controlling the laser fiber without a stop. Stabilizes the fiber tip incredibly well during GreenLight vaporization, for example

<b>Laser working insert 12/30</b> "MoXy™" for flexible auxiliary instruments up to 6.5 Fr		<b>8632.284</b>
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<b>Rubber cap for hysteroscope, extended, red-orange (1 PC)</b>		<b>18.01</b>
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**Also:**

PANOVIEW	Direction of view	Ø	WL	TL	Product no.
Telescope 30° Ø 4 mm WL 300 mm	30°	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	4.0 mm	297 mm	363 mm	<b>8654.431</b>

**Recommended accessories** **Product no.**

<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# GREENLIGHT™ CONTINUOUS IRRIGATION LASER CYSTOSCOPE "Freestyle" PARTICULARLY FOR THE USE OF GREENLIGHT™ AND SIMILAR LASER FIBERS



**CI** Double sheath system



for sheath sizes		SL/WL	Color coding	Product no.	
<b>CI</b> 22.5 Fr	Outer sheath for laser therapy 22.5 Fr	SL 196 mm	Green	<b>8632.026</b>	
	Inner sheath for laser therapy	SL 209 mm		<b>8632.027</b>	
<b>Also:</b>					
	Obturator for laser therapy 22.5 Fr	WL 214 mm	Green	<b>8632.126</b>	
	Viewing obturator for laser therapy 22.5 Fr			<b>8632.726</b>	
<b>CI</b> 24.5 Fr	Outer sheath for laser therapy 24.5 Fr	SL 205 mm	Green	<b>8632028</b>	
	Inner sheath for laser therapy	SL 217 mm		<b>8632029</b>	
<b>Also:</b>					
	Obturator for laser therapy 24.5 Fr	WL 220 mm	Green	<b>8632128</b>	
	Viewing obturator for laser therapy 24.5 Fr	WL 219 mm		<b>8632728</b>	
<b>Working insert for freely controlling the laser fiber without a stop.</b>				<b>Product no.</b>	
<b>Laser working insert 12/30</b> "Freestyle" for flexible auxiliary instruments up to 6.5 Fr				<b>8632.914</b>	
<b>Also:</b> 					
<b>PANOVIEW</b>	<b>Direction of view</b>	<b>Ø</b>	<b>WL</b>	<b>TL</b>	<b>Product no.</b>
Telescope 30° Ø 4 mm WL 300 mm	30°	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	4.0 mm	297 mm	363 mm	<b>8654.431</b>
<b>Recommended accessories</b>					<b>Product no.</b>
<b>Perforated basket for standard telescope 2</b>		Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm		<b>38016</b>	
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long		<b>806625231</b>	

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



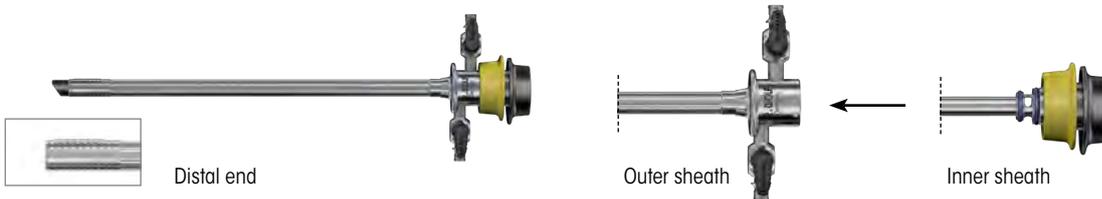
# GREENLIGHT™ CONTINUOUS IRRIGATION LASER RESECTOSCOPE "Freestyle"

PARTICULARLY FOR THE USE OF GREENLIGHT™ AND SIMILAR LASER FIBERS



**AUTOCLAVE**  
**134° C / 273° F**

**CI** Double sheath system



for sheath sizes		SL/WL	Color coding	Product no.	
<b>CI</b> 24 Fr	Outer sheath for resectoscope 24 Fr	SL 189 mm	Green	<b>8675424</b>	
	Inner sheath for resectoscope 22 Fr	SL 205 mm		<b>8675322</b>	
<b>Also:</b>					
	Obturator for resectoscope 22 Fr	WL 232 mm	Green	<b>8673022</b>	
	Viewing obturator for resectoscope 22 Fr			<b>8673122</b>	
<b>CI</b> 26 Fr	Outer sheath for resectoscope 26 Fr	SL 189 mm	Yellow	<b>8675426</b>	
	Inner sheath for resectoscope 24 Fr	SL 205 mm		<b>8675324</b>	
<b>Also:</b>					
	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>	
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>	
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>	
<b>Working insert for freely controlling the laser fiber without a stop.</b>				<b>Product no.</b>	
<b>Laser working insert 12/30</b> "Freestyle" for flexible auxiliary instruments up to 6.5 Fr				<b>8632.914</b>	
<b>Also:</b>					
<b>PANOVIEW</b>	<b>Direction of view</b>	<b>Ø</b>	<b>WL</b>	<b>TL</b>	<b>Product no.</b>
Telescope 30° Ø 4 mm WL 300 mm	30°	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	4.0 mm	297 mm	363 mm	<b>8654.431</b>
<b>Recommended accessories</b>				<b>Product no.</b>	
<b>Perforated basket for standard telescope 2</b>		Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm		<b>38016</b>	
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long		<b>806625231</b>	

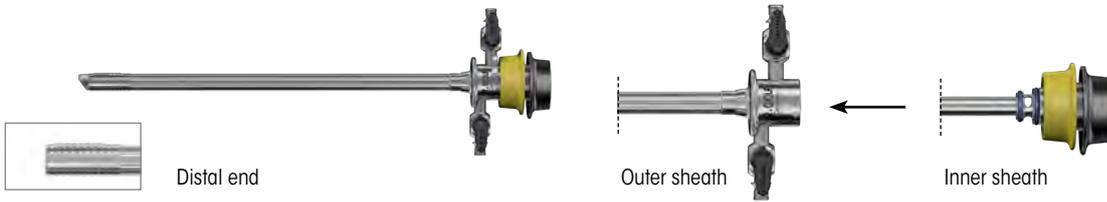
V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



# CONTINUOUS IRRIGATION LASER ENUCLEATION SHEATH 26 Fr "Freestyle" FOR **BLUNT** ENUCLEATION OF THE PROSTATE



**CI** Double sheath system



for sheath sizes		SL/WL	Color coding	Product no.
<b>CI</b> 26 Fr	Outer sheath for resectoscope 26 Fr	SL 189 mm	Yellow	<b>8675426</b>
	Inner sheath for laser therapy 24 Fr	SL 206 mm		<b>8675524</b>

**Also:**

	<b>Obturator for resectoscope 24 Fr</b>	WL 232 mm	Yellow	<b>8673324</b>
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**Working insert for freely controlling the laser fiber without a stop.**

<b>Laser working insert 12/30</b> "Freestyle" for flexible auxiliary instruments up to 6.5 Fr				<b>8632.914</b>
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**Also:**

PANOVIEW	Direction of view	Ø	WL	TL	Product no.
Telescope 30° Ø 4 mm WL 300 mm	30°	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	4.0 mm	297 mm	363 mm	<b>8654.431</b>

**Recommended accessories**

		Product no.
<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



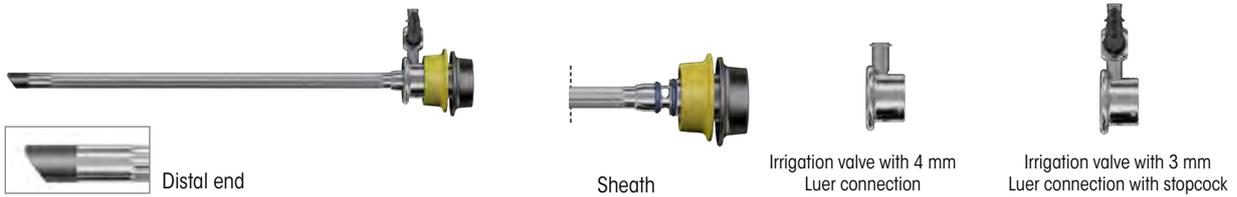
# CONTINUOUS IRRIGATION WORKING INSERT

FOR LASER PROBES UP TO 7.5 Fr



**AUTOCLAVE**  
134° C / 273° F

**II Sheath with rotatable irrigation adapter**



for sheath sizes		SL/WL	Color coding	Product no.
 24 Fr	Sheath for resectoscope 24 Fr	SL 200 mm	Yellow	<b>8676324</b>
	Irrigation adapter for resectoscope 24/26 Fr with 4 mm Luer connection			<b>8676354*</b>
	Irrigation adapter for resectoscope 24/26 Fr with 3 mm Luer connection with stopcock			<b>8676361**</b>

**Also:**

	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>

\* for connection to rotatable irrigation adapter 8676354: **Two-way stopcock, maintenance-free,** with LUER-LOCK connection **88351**

\*\* for connection to rotatable irrigation adapter 8676361: **Two-way stopcock, maintenance-free,** with LUER-LOCK connection **88350**

**Working insert for continuous irrigation with instrument port for flexible auxiliary instruments up to 7.5 Fr** **Product no.**

Laser working insert 12/30 7.5 Fr		<b>8654.911</b>
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**Also:**



PANOVIEW	Direction of view	Ø	WL	TL	Product no.
Telescope 30° Ø 4 mm WL 300 mm	30°	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	4.0 mm	297 mm	363 mm	<b>8654.431</b>

**Recommended accessories** **Product no.**

Perforated basket for standard telescope 2	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>



HOLEP, THULEP

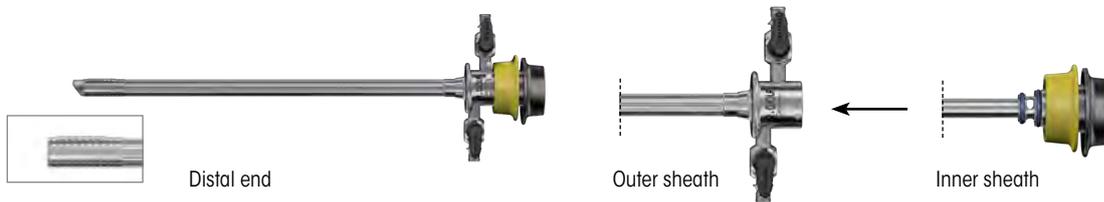
# CONTINUOUS IRRIGATION LASER ENUCLEATION SHEATH 26 Fr

FOR **BLUNT** ENUCLEATION OF THE PROSTATE



**AUTOCLAVE**  
134° C / 273° F

**CI** Double sheath system



for sheath sizes		SL/WL	Color coding	Product no.
 26 Fr	Outer sheath for resectoscope 26 Fr	SL 189 mm	Yellow	<b>8675426</b>
	Inner sheath for laser therapy 24 Fr	SL 206 mm		<b>8675524</b>

Also:

	Obturator for resectoscope 24 Fr	WL 232 mm	Yellow	<b>8673324</b>
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**Working element**

	Product no.
Laser working element, passive 12/30° with handle closed	<b>8654382</b>
Laser working insert 12/30°	<b>8654383</b>

Guide tubes



see UR084

Also:



PANOVIEW	Direction of view	Ø	WL	TL	Product no.
Telescope 30° Ø 4 mm WL 300 mm	30°	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	4.0 mm	297 mm	363 mm	<b>8654.431</b>

**Recommended accessories**

Product no.

<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>



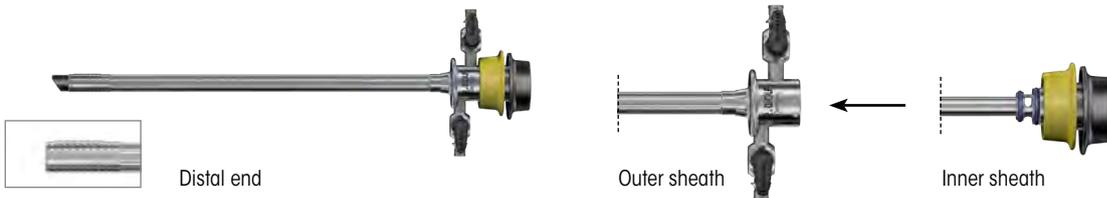
HOLEP, THULEP

CONTINUOUS IRRIGATION LASER ENUCLEATION SHEATH, 26 Fr

FOR ENUCLEATION OF THE PROSTATE



**CI** Double sheath system



for sheath sizes		SL/WL	Color coding	Product no.	
<b>CI</b> 24 Fr	Outer sheath for resectoscope 24 Fr	SL 189 mm	Green	<b>8675424</b>	
	Inner sheath for resectoscope 22 Fr	SL 205 mm		<b>8675322</b>	
<b>Also:</b>					
	Obturator for resectoscope 22 Fr	WL 232 mm	Green	<b>8673022</b>	
	Viewing obturator for resectoscope 22 Fr			<b>8673122</b>	
<b>CI</b> 26 Fr	Outer sheath for resectoscope 26 Fr	SL 189 mm	Yellow	<b>8675426</b>	
	Inner sheath for resectoscope 24 Fr	SL 205 mm		<b>8675324</b>	
<b>Also:</b>					
	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>	
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>	
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>	
<b>Working element</b>				<b>Product no.</b>	
Laser working element, passive 12/30° with handle closed				<b>8654382</b>	
Laser working insert 12/30°				<b>8654383</b>	
<b>Guide tubes</b>				<b>see UR084</b>	
<b>Also:</b>					
<b>PANOVIEW</b>	<b>Direction of view</b>	<b>Ø</b>	<b>WL</b>	<b>TL</b>	<b>Product no.</b>
Telescope 30° Ø 4 mm WL 300 mm	30°	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	4.0 mm	297 mm	363 mm	<b>8654.431</b>
<b>Recommended accessories</b>				<b>Product no.</b>	
<b>Perforated basket for standard telescope 2</b>		Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm		<b>38016</b>	
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long		<b>806625231</b>	

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



# LASER FIBER GUIDE TUBES

## FOR CONTINUOUS IRRIGATION LASER ENUCLEATION SHEATH

Laser fiber guide tubes for inner sheath 24 Fr		Fr	Capacity	Product no.
 with lateral guide, distal end straight	Guide tube laser therapy 1,000 µm 22 Fr	22 Fr	1,000 µm	8654990
	Guide tube laser therapy 1,000 µm 24 Fr	24 Fr		8654991
 with lateral guide, distal end straight	Guide tube laser therapy 600 µm 22 Fr	22 Fr	600 µm	8654992
	Guide tube laser therapy 600 µm 24 Fr	24 Fr		8654993
 with lateral guide, distal end slanted	Guide tube laser therapy 600 µm 22 Fr	22 Fr	600 µm	8654994
	Guide tube laser therapy 600 µm 24 Fr	24 Fr		8654995
 with lateral guide, distal end with ring	Guide tube laser therapy 600 µm 22 Fr	22 Fr	600 µm	8654996
	Guide tube laser therapy 600 µm 24 Fr	24 Fr		8654997
	<b>Curette 22–24 Fr</b> for prostate chips	From 22 Fr	600 µm	8654998

**Note:** Laser fiber guide tubes can only be used in conjunction with the laser working element (8654382) and laser working insert (8654383).

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



# BIPOLAR ENUCLEATION

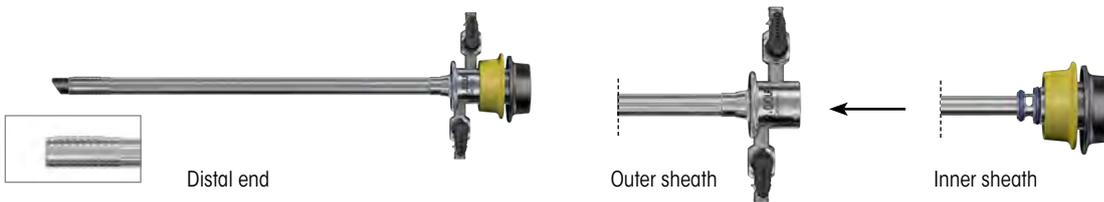
## CONTINUOUS IRRIGATION LASER ENUCLEATION SHEATH, 24/26 Fr

FOR **BIPOLAR** ENUCLEATION OF THE PROSTATE



**AUTOCLAVE**  
134° C / 273° F

**CI** Double sheath system



for sheath sizes		SL/WL	Color coding	Product no.
	Outer sheath for resectoscope 26 Fr	SL 189 mm	Yellow	<b>8675426</b>
	Inner sheath for resectoscope 24 Fr	SL 205 mm		<b>8675324</b>

Also:

	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>

Working element			Product no.
Working element, active, bipo 0/12/30° with handle closed			<b>8680.205</b>

Enucleation electrode bipo 24 Fr 12/30°		<b>46400243</b>
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Also:



PANOVIEW	Direction of view	Ø	WL	TL	Product no.
Telescope 30° Ø 4 mm WL 300 mm	30°	4.0 mm	300 mm	364 mm	<b>8654.422</b>
Telescope 12° Ø 4 mm WL 297 mm	12°	4.0 mm	297 mm	363 mm	<b>8654.431</b>

Recommended accessories		Product no.
Perforated basket for standard telescope 2	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm	<b>38016</b>
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>

VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



# MORCESCOPE, 0°

IN COMBINATION WITH **SHARK** OUTER SHEATHS  
FOR TISSUE MORCELLATION



**AUTOCLAVE**  
**134° C / 273° F**

PANOVIEW		WL	TL	Product no.
<b>Morcescope 0° 24 Fr WL 224 mm</b> Rigid, with parallel eyepiece, working channel for instruments up to 4.8 mm, irrigation via 24.5/26 Fr sheath and adapter, suction via morcellator		224 mm	386 mm	<b>8970405</b>
<b>Autom. sealing element ID 5.7 mm</b>				<b>8920.311</b>
Pressure ball for blowing air through channels				<b>103.00</b>
<b>Tube with LUER-LOCK connector</b>				<b>886.00</b>
<b>Cleaning brush Ø 11 mm TL 360 mm</b>				<b>6.01</b>
for connecting "Morcescope" to the 24 Fr and 26 Fr continuous irrigation sheaths				Product no.
<b>Shark adapter for Morcescope 24/26 Fr</b>				<b>8675026</b>
<b>CI Double sheath system</b>				
for sheath sizes		SL/WL	Color coding	Product no.
<b>CI</b> 22/24 Fr	Outer sheath for resectoscope 24 Fr	SL 189 mm	Green	<b>8675424</b>
	Inner sheath for resectoscope 22 Fr	SL 205 mm		<b>8675322</b>
<b>Also:</b>				
	Obturator for resectoscope 22 Fr	WL 232 mm	Green	<b>8673022</b>
	Viewing obturator for resectoscope 22 Fr			<b>8673122</b>
<b>CI</b> 24/26 Fr	Outer sheath for resectoscope 26 Fr	SL 189 mm	Yellow	<b>8675426</b>
	Inner sheath for resectoscope 24 Fr	SL 205 mm		<b>8675324</b>
<b>Also:</b>				
	Obturator for resectoscope 24 Fr	WL 233 mm	Yellow	<b>8673024</b>
	Viewing obturator for resectoscope 24 Fr	WL 232 mm		<b>8673124</b>
	Dilatations obturator f. resectoscope 24 Fr	WL 247 mm		<b>8673224</b>
<b>Recommended accessories</b>				Product no.
<b>Perforated basket for Morcescope with small parts sieve</b> Holds: standard telescope, for machine reprocessing, sterilization (steam and low-temperature), storage and transport		Internal dimensions (WxHxD): 451x65x164 mm External dimensions (WxHxD): 67x75x172 mm		<b>38012</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 3.5 mm, 2.3 m long		<b>806635231</b>
<b>Rotary morcellators and accessories</b>				see UR090

VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

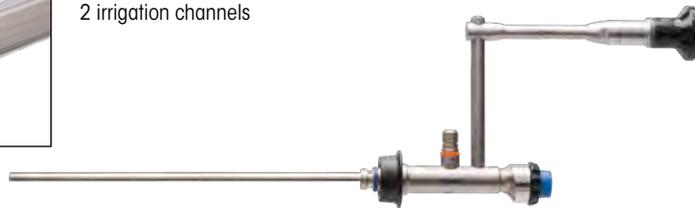


# MORCESCOPE, 0°

IN COMBINATION WITH **SHARK** OUTER SHEATHS  
FOR TISSUE MORCELLATION



2 irrigation channels



**AUTOGLAVE**  
**134° C / 273° F**

PANOVIEW	WL	TL	Product no.
<b>Morcescope 0° 24 Fr WL 199 mm</b> Rigid, with parallel eyepiece, working channel for instruments up to 4.8 mm, irrigation via 24.5/26 Fr sheath and adapter, suction via morcellator	199 mm	393 mm	<b>8970407</b>
<b>Autom. sealing element ID 5.7 mm</b>			<b>8920.311</b>
Pressure ball for blowing air through channels			<b>103.00</b>
<b>Tube with LUER-LOCK connector</b>			<b>886.00</b>
<b>Cleaning brush Ø 11 mm TL 360 mm</b>			<b>6.01</b>
<b>CI Double sheath system</b>			
<b>for sheath sizes</b>	<b>SL/WL</b>	<b>Color coding</b>	<b>Product no.</b>
<b>CI</b> 22/24 Fr	<b>Outer sheath for resectoscope 24 Fr</b>	SL 189 mm	Green
	<b>Inner sheath for resectoscope 22 Fr</b>	SL 205 mm	
<b>Also:</b>			
	<b>Obturator for resectoscope 22 Fr</b>	WL 232 mm	Green
	<b>Viewing obturator for resectoscope 22 Fr</b>		
<b>CI</b> 24/26 Fr	<b>Outer sheath for resectoscope 26 Fr</b>	SL 189 mm	Yellow
	<b>Inner sheath for resectoscope 24 Fr</b>	SL 205 mm	
<b>Also:</b>			
	<b>Obturator for resectoscope 24 Fr</b>	WL 233 mm	Yellow
	<b>Viewing obturator for resectoscope 24 Fr</b>	WL 232 mm	
	<b>Dilatations obturator f. resectoscope 24 Fr</b>	WL 247 mm	
<b>Recommended accessories</b>			<b>Product no.</b>
<b>Perforated basket for Morcescope with small parts sieve</b> Holds: standard telescope, for machine reprocessing, sterilization (steam and low-temperature), storage and transport		Internal dimensions (WxHxD): 451x65x164 mm External dimensions (WxHxD): 67x75x172 mm	<b>38012</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 3.5 mm, 2.3 m long	<b>806635231</b>
<b>Rotary morcellators and accessories</b>			<b>see UR090</b>



# MORCESCOPE, 0°

IN COMBINATION WITH **E-LINE** OUTER SHEATHS  
FOR TISSUE MORCELLATION

		<b>AUTOCLAVE</b> <b>134° C / 273° F</b>			
PANOVIEW		WL	TL	Product no.	
<b>Morcescope 0° 24 Fr WL 224 mm</b> Rigid, with parallel eyepiece, working channel for instruments up to 4.8 mm, irrigation via 24.5/26 Fr sheath and adapter, suction via morcellator		224 mm	386 mm	<b>8970405</b>	
Autom. sealing element ID 5.7 mm				<b>8920.311</b>	
Pressure ball for blowing air through channels				<b>103.00</b>	
Tube with LUER-LOCK connector				<b>886.00</b>	
Cleaning brush Ø 11 mm TL 360 mm				<b>6.01</b>	
for connecting "Morcescope" to the 24 Fr and 26 Fr continuous irrigation sheaths			TL	Product no.	
<b>E-Line adapter for Morcescope 26 Fr</b>				40 mm	<b>8970.026</b>
CI Double sheath system					
					
for sheath sizes		SL/WL	Color coding	Product no.	
<span style="background-color: green; color: white; padding: 2px;">CI</span> <b>22/24.5 Fr</b>	Outer sheath for resectoscope 24.5 Fr	SL 191 mm	Green	<b>8655.334</b>	
	Inner sheath for resectoscope 22 Fr	SL 203 mm		<b>8655.344</b>	
<b>Also:</b>					
		Obturator for resectoscope 22 Fr	Green	<b>8654.16</b>	
		Viewing obturator for resectoscope 22 Fr		<b>8415.11</b>	
<span style="background-color: yellow; color: black; padding: 2px;">CI</span> <b>24/26 Fr</b>	Outer sheath for resectoscope 26 Fr	SL 191 mm	Yellow	<b>8655.374</b>	
	Inner sheath for resectoscope 24 Fr	SL 204 mm		<b>8655.384</b>	
<b>Also:</b>					
		Obturator for resectoscope 24 Fr	Yellow	<b>8654.17</b>	
		Viewing obturator for resectoscope 24 Fr		<b>8415.12</b>	
Recommended accessories				Product no.	
<b>Perforated basket for Morcescope</b> with small parts sieve Holds: standard telescope, for machine reprocessing, sterilization (steam and low-temperature), storage and transport		Internal dimensions (WxHxD): 451x65x164 mm External dimensions (WxHxD): 67x75x172 mm		<b>38012</b>	
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 3.5 mm, 2.3 m long		<b>806635231</b>	
<b>Rotary morcellators and accessories</b>				<b>see UR090</b>	

Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## ROTARY MORCELLATORS/ACCESSORIES FOR THE MORCESCOPE

"SHARK" MORCESCOPE

1.19

	for single use (Pack = 3 PCS, in individual sterile packaging)	WL	Ø	Product no.
 	<b>Rotary morcellator Ø 4.8 mm WL 335 mm</b>	335 mm	4.8 mm	<b>49700113</b>
	<b>Rotary morcellator Ø 4.8 mm WL 385 mm</b> (for morcellator telescopes <i>from other manufacturers</i> )	385 mm	4.8 mm	<b>49700103</b>

	for multiple use	WL	Ø	Product no.
 	<b>Rotary morcellator Ø 4.8 mm WL 350 mm</b>	350 mm	4.8 mm	<b>8970.011</b>
	<b>Rotary morcellator Ø 4.8 mm WL 385 mm</b> (for morcellator telescopes <i>from other manufacturers</i> )	385 mm	4.8 mm	<b>8970010</b>

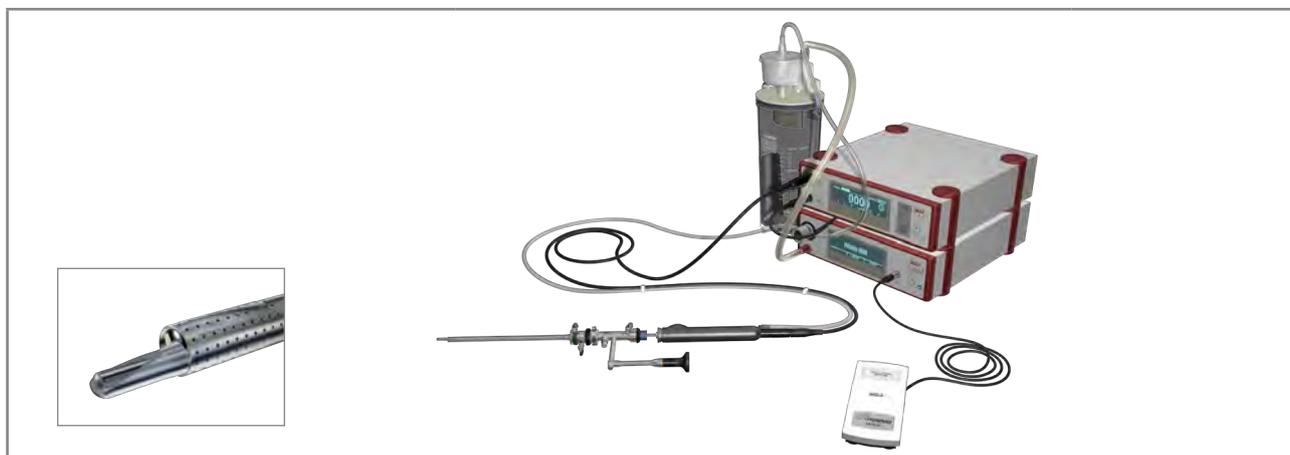
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# TISSUE MORCELLATOR

FOR MORCELLATION AFTER LASER ENUCLEATION OF THE PROSTATE

"PIRANHA" MORCELLATION SYSTEM

1.20



		Product no.
<b>Suction pump 2208</b>	with LCD display, 100–240 V AC, 50/60 Hz	<b>2208001</b>
<b>1-pedal footswitch</b>		<b>2030108</b>
<b>Bottle holder</b>		<b>64031.381</b>
<b>Sound absorber</b>	(Pack= 3 PCS)	<b>35100.115</b>
<b>RECTO PUMP connection tube</b>		<b>8170.6554</b>
<b>Overflow protection/bacteria filter</b>	(Pack = 10 PCS)	<b>2228.901</b>
<b>Secretion container, 2 l</b>	2 liters, without cover	<b>8170.6551</b>
optional: <b>3 L suction jar for RCS</b>		<b>077.0130</b>
<b>Cover</b>	for secretion container (8170.6551) and suction jar (077.0130), reusable	<b>8170.6552</b>
<b>Power cable</b>	Cable length 3 m	<b>2440.03</b>
<b>Tube for suction</b>	Single use (Pack = 10 PCS)	<b>41702208</b>
<b>Collecting container</b>	Disposable (Pack = 10 PCS)	<b>2208120</b>
<b>Motor Control Unit 2303</b> for motor handpiece	50/60 Hz, 100–240 V AC	<b>2303.001</b>
also: <b>Power cable</b>	Cable length 3 m	<b>2440.03</b>
<b>Motor handpiece max. 6,000 rpm</b>	consisting of: Motor handpiece max. 6,000 rpm (8564.021), connection cable, WL 3 m (8564.851), sealing insert – open (15178145)	<b>8564122</b>
<b>Irrigation adapter</b>	for motor handpiece 8564.021, reusable	<b>163951</b>
<b>Rotary morcellator Ø 4.8 mm WL 335 mm</b>	(Pack = 3 PCS) in individual sterile packaging	<b>49700113</b>
<b>Rotary morcellator Ø 4.8 mm WL 385 mm</b>	(Pack = 3 PCS) in individual sterile packaging for morcellator telescopes <i>from other manufacturers</i>	<b>49700103</b>
<b>Rotary morcellator Ø 4.8 mm WL 350 mm</b>		<b>8970.011</b>
<b>Rotary morcellator Ø 4.8 mm WL 385 mm</b>		<b>8970010</b>

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# TISSUE MORCELLATOR

## TECHNICAL DATA SUCTION PUMP 2208001

Suction pump		2208001
<b>Device properties</b>		
Operating mode	Continuous operation	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 800 hPa to 1060 hPa	
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1060 hPa	
<b>Power supply</b>		
Mains + frequency	100-240 V~, 50/60 Hz	
Power consumption	120 VA	
Current rating	1,2 - 0,5 A	
Fuse	T 1,6 AL 250 V	
<b>Regulatory standards</b>		
Protection class to IEC/EN 60601-1 (UL 60601-1/CSA C222 No6011 – for USA)	I	
Electromagnetic compatibility (EMC)	EN/IEC 60601-1-2	
Medical Devices Directive 93/42/EEC Class IIb	Class II a	
Degree of protection against the ingress of liquids	IP 20 (not protected)	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
Protection against electric shock	Type BF applied part	
Noise level	55 dB (A) (pump "ON" with container)	
<b>Dimensions and weights</b>		
Weight, BNDL with accessories	8,9 kg (19.6 lbs)	
Dimensions (W x H x D)	340 mm x 105 mm x 420 mm	
Space requirements with bottle holder (W x H x D)	470 mm x 410 mm x 430 mm	
<b>Relevant application parameters</b>		
Vacuum	Operation vacuum	650 to 750 mbar +/- 50 mbar
	Maximum vacuum	750 mbar +/- 50 mbar
Operating mode	PIRANHA	Continuous suction with oscillation
	SUCTION	Suction only, limited in time



# TISSUE MORCELLATOR

TECHNICAL DATA  
SUCTION PUMP 2208001

Foot switch	
<b>Regulatory standards</b>	
Degree of protection against the ingress of liquids	IP X8
Degree of protection in the presence of flammable mixtures	WS
Switching element	Reed contact
<b>Dimensions and weights</b>	
Weight	0,7 kg (1,54 lbs)
Dimensions (W x H x D)	80 mm x 30 mm x 190 mm

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Motor Control Unit 2303		2303.001
<b>Device properties</b>		
Operating mode	Continuous operation	
Operating conditions	+10°C to +40°C, 20% to 75% rel. humidity, atmospheric pressure 800 hPa to 1060 hPa	
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1060 hPa	
<b>Power supply</b>		
Mains + frequency	100-127V~ / 220-240 V~, 50/60 Hz	
Power consumption	110 VA	
Current rating	0,8 - 0,44 A	
Fuse	T 1,6 AL 250 V	
<b>Regulatory standards</b>		
Protection class to IEC/EN 60601-1 (UL 60601-1/CSA C222 No6011 – for USA)	I	
Electromagnetic compatibility (EMC)	EN/IEC 60601-1-2	
Medical Devices Directive 93/42/EEC Class IIb	Class II a	
Degree of protection against the ingress of liquids	IP 20 (not protected)	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
Protection against electric shock	Type BF applied part	
Noise level	max. 56 dB(A)	
<b>Dimensions and weights</b>		
Weight (without motor handpiece)	7,6 kg (16,7 lbs)	
Dimensions (W x H x D)	330 mm x 100 mm x 360 mm	



# TISSUE MORCELLATOR

## TECHNICAL DATA

### MOTOR CONTROL UNIT 2303

Motor handpiece	
<b>Dimensions and weights</b>	
Length motor handpiece (8564.021)	175 mm
Cross-section	25 x 28 mm
Weight	295 mm
Speed	100 - 6000 rpm
Length Anschlusskabel (8564.851)	3 m
Gewicht Anschlusskabel	275 mm
<b>Regulatory standards</b>	
Protection against electric shock	Type BF applied part
Degree of protection against the ingress of liquids	IP X7
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)
Operating mode M4 (8564.021)	Continuous operation with intermittent load INT. 3 min. / 3 min.

Foot switch	
<b>Regulatory standards</b>	
Degree of protection against the ingress of liquids	IP X8
Degree of protection in the presence of flammable mixtures	WS
Switching element	Reed contact
<b>Dimensions and weights</b>	
Weight	0,7 kg (1,54 lbs)
Dimensions (W x H x D)	80 mm x 30 mm x 190 mm

# MEGA Pulse 70<sup>+</sup>

70 W HOLMIUM:YAG LASER SYSTEM FOR STONE AND BPH THERAPY  
**OUTSIDE CE MARKET**

"MEGA PULSE 70+" LASER

1.21



		Product no.
<p>MegaPulse 70<sup>+</sup> <b>Laser surgical device tower bndI</b> included in delivery: MegaPulse 70<sup>+</sup> laser surgical device tower 70 W (2286007) 2x laser protection goggles (OBM003603) 1x key set (2286525) 1x door contact plug (2286520) 2x blast shield with mounting (OAM001523) 1x filling bottle with tube (IAM000088) 1x 2-pedal footswitch (2030232) 1x fiber-stripping forceps for stripping laser fibers, 0.3 to 1.0 mm (2286523) 1x fiber-stripping forceps for stripping laser fibers, 0.1 to 0.4 mm (2286527) 1x ceramic cutter with silicone pad (AGM000080) 1x accessories box for MegaPulse (KBM000103) 1x power cable TL 3 m (2286230)</p>		<p><b>22860070</b></p>

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# MEGA Pulse 70<sup>+</sup>

## TECHNICAL DATA OUTSIDE CE MARKET

MEGA Pulse 70 <sup>+</sup>		22860070
<b>Device properties</b>		
Display	12" touchscreen	
Power	70 watts	
Laser type	Holmium:YAG laser (Ho:YAG)	
Wavelength	2100nm ± 20nm	
Operating principle	Pulsed	
Energy	200–5,000 mJ	
Pulse duration	Adjustable (50–1,100 µs)	
Pilot beam	Green: 532 nm (adjustable) < 5 mW, class3R	
Max. operating temperature	10–30 °C	
Storage temperature	Min. +5 °C, max. 40 °C	
Cooling system	Internal chiller	
<b>Power supply</b>		
Voltage	200–230 V, 50/60 Hz, 5kVA, < 32A	
Frequency	3–60 Hz	
<b>Dimensions and weights</b>		
Dimensions (W x H x D)	595 x 1202.5 x 1074 mm	
Weight (without water)	200 kg	

**MEGA Pulse<sup>70+</sup>**  
LASER FIBERS  
OUTSIDE CE MARKET



	Sterile (Pack= 1 PC)	Core diameter						Product no.
		200 µm	200 µm	272 µm	365 µm	550 µm	800 µm	
Single use.	Power laser fiber Ø 200 µm, disposable	●						487502200
	Laser fiber Ø 200 µm, disposable		●					487501200
	Laser fiber Ø 272 µm, disposable			●				487501272
	Laser fiber Ø 365 µm, disposable				●			4875013650
	Laser fiber Ø 550 µm, disposable					●		487501550
	Laser fiber Ø 800 µm, disposable						●	487501800
	Laser fiber Ø 1,000 µm, disposable							●
Multiple use	Power laser fiber Ø 200 µm, reusable	●						87502200
	Laser fiber Ø 200 µm, reusable		●					87501200
	Laser fiber Ø 272 µm, reusable			●				87501272
	Laser fiber Ø 365 µm, reusable				●			875013650
	Laser fiber Ø 550 µm, reusable					●		87501550
	Laser fiber Ø 800 µm, reusable						●	87501800
	Laser fiber Ø 1,000 µm, reusable							●

"MEGA PULSE 70+" LASER

1.21

V125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# MEGA Pulse<sup>70+</sup>

## ACCESSORIES OUTSIDE CE MARKET

Accessorie (included in delivery)			Product no.	Product no.
Fiber-stripping forceps	for stripping laser fibers	Ø 0.1–0.4 mm	1	2286527
		Ø 0.3–1.0 mm	1	2286523
Ceramic cutter with silicone pad			1	AGM000080
Filling bottle with tube			1	IAM000088
Laser protection goggles	(Also suitable for glasses-wearers)		2	OBM003603
2-pedal footswitch			1	2030232
Key set			1	2286525
Door contact plug			1	2286520
Blast shield with mounting			2	OAM001523
Power cable TL 3 m			1	2286230
Accessories box for MegaPulse			1	KBM000103

Optional accessories:			
Fiber-stripping forceps, autoclavable	for stripping laser fibers	Ø 200 – 272 µm	AGM000053
		Ø 365 – 400 µm	AGM000078
		Ø 550 – 600 µm	AGM000052
		Ø 800 µm	AGM000064
Ceramic cutter with silicone pad	for shortening laser fibers, autoclavable		AGM000080

Machine reprocessing		Product no.
 <p><b>Perforated basket for laser fiber</b></p>	Holds: Laser fiber, for machine reprocessing, sterilization (steam and low-temperature), storage, and transport; internal dimensions (W x H x D): 231 x 52 x 223 mm external dimensions (W x H x D): 248 x 72 x 239 mm	38001
Also:  <p><b>Fixing ring Ø 34.6 mm</b></p>	for holding instruments during machine reprocessing, sterilization (steam and low-temperature), storage, and transport, Ø 34.6 x 2.62 mm, Pack = 5 PCS	643301262

# MEGA Pulse 70<sup>+</sup>

70 W HOLMIUM:YAG LASER SYSTEM FOR STONE AND BPH THERAPY  
FOR CE MARKET

"MEGA PULSE 70<sup>+</sup>" LASER

1.21



	Product no.
<p><b>Laser surgery device tower 70 W</b> included in delivery:</p> <ul style="list-style-type: none"> <li>1x Fiberstripper optical fibers Ø 100-400µm (OBM001080.00)</li> <li>1x Fiberstripper optical fibers Ø 300-1000µm (OBM001079.00)</li> <li>1x Ceramic fiber cutter with slipcase (AGM000080.00)</li> <li>1x Filling bottle + tubes (IAM000088.00)</li> <li>2x Goggle protection F18.P1D09.1003 (OBM003778.00)</li> <li>1x Pedal MKF 2 1W/1W-MED GP212 niro brace (EBM001308.01)</li> <li>1x Key (MBQ000190.00)</li> <li>1x Interlock conn. Medical devices binder (EAM000045.00)</li> <li>2x Blast shield with mounting (OAM001523.00)</li> <li>2x Water drain tube (IAM000001.00)</li> <li>1x Power cord with 32A plug (IEC309) (EUR) (EAM001315.00)</li> <li>1x Case salsa 1650 no brand accessories (KBM000103.01)</li> </ul>	<p><b>PVMS00066</b></p>

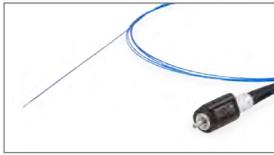
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# MEGA Pulse 70<sup>+</sup>

## TECHNICAL DATA FOR CE MARKET

PVMS00066	
<b>Device properties</b>	
Display	12" touchscreen
Power	70 watts
Laser type	Holmium:YAG laser (Ho:YAG)
Wavelength	2100nm ± 20nm
Operating principle	Pulsed
Energy	200–5,000 mJ
Pulse duration	Adjustable (50–1,100 µs)
Pilot beam	Green: 532 nm (adjustable) < 5 mW, class3R
Max. operating temperature	10–30 °C
Storage temperature	Min. +5 °C, max. 40 °C
Cooling system	Internal chiller
<b>Power supply</b>	
Voltage	200–230 V, 50/60 Hz, < 32A
Frequency	3–60 Hz
<b>Dimensions and weights</b>	
Dimensions (W x H x D)	595 x 1202.5 x 1074 mm
Weight (without water)	200 kg

**MEGA** *Pulse* <sup>70+</sup>  
LASER FIBERS  
FOR CE-MARKET



		Core diameter						Product no.
		200 μm	200 μm	272 μm	365 μm	550 μm	800 μm	
Single use, sterile (Pack= 10 PC)	Single use opt. fiber performance 200 μm	●						OFC402011
	Single use optical fiber 200μm		●					OFC002011
	Single use optical fiber ball tip 272μm			●				OFC302711
	Single use optical fiber 272μm			●				OFC702711
	Single use optical fiber 365μm				●			OFC703611
	Single use optical fiber 550μm					●		OFC005511
	Single use optical fiber 800μm						●	OFC008011
	Single use optical fiber 1000μm							●
Multiple use, sterile (Pack= 1 PCS)	Reusable 10x optical fiber performance 200μm	●						OFC402013
	Reusable 10x optical fiber 200μm		●					OFC002013
	Reusable 10x optical fiber 272μm			●				OFC702713
	Reusable 10x optical fiber 365μm				●			OFC703613
	Reusable 10x optical fiber 550μm					●		OFC005513
	Reusable 10x optical fiber 800μm						●	OFC008013
	Reusable 10x optical fiber 1000μm							●

# MEGA Pulse 70<sup>+</sup>

## ACCESSORIES FOR CE-MARKET

Accessorie (included in delivery)			Product no.	Product no.
Fiberstripper optical fibers Ø 100-400µm	for stripping laser fibers	Ø 0,1 - 0,4 mm	1	OBM001080.00
Fiberstripper optical fibers Ø 300-1000µm		Ø 0,3 - 1,0 mm	1	OBM001079.00
Ceramic fiber cutter with slipcase	for shortening laser fibers, autoclavable		1	AGM000080.00
Filling bottle + tubes			1	IAM000088.00
Goggle protection F18.P1D09.1003	(Also suitable for glasses-wearers)		2	OBM003778.00
Pedal MKF 2 1W/1W-MED GP212 niro brace			1	EBM001308.01
Key			1	MBQ000190.00
Interlock conn. Medical devices binder			1	EAM000045.00
Blast shield with mounting			2	OAM001523.00
Water drain tube			2	IAM000001.00
Power cord with 32A plug (IEC309) (EUR)			1	EAM001315.00
Case salsa 1650 no brand accessories			1	KBM000103.01

Optional accessories:			Product no.
Fiber stripping tool, autoclavable	for stripping laser fibers	Ø 200 – 272 µm	AGM000053
		Ø 365 – 400 µm	AGM000078
		Ø 550 – 600 µm	AGM000052
		Ø 800 µm	AGM000064
Ceramic cutter with silicone pad	for shortening laser fibers, autoclavable		AGM000080

Machine reprocessing		Product no.
 <b>Perforated basket for laser fiber</b>	Holds: Laser fiber, for machine reprocessing, sterilization (steam and low-temperature), storage, and transport; internal dimensions (W x H x D): 231 x 52 x 223 mm external dimensions (W x H x D): 248 x 72 x 239 mm	<b>38001</b>
Also:  <b>Fixing ring Ø 34.6 mm</b>	for holding instruments during machine reprocessing, sterilization (steam and low-temperature), storage, and transport, Ø 34.6 x 2.62 mm, Pack = 5 PCS	<b>643301262</b>

"MEGA PULSE 70+" LASER

1.21

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# MEGA Pulse<sup>30+</sup>

30 W HOLMIUM:YAG LASER SYSTEM FOR STONE AND SOFT TISSUE THERAPY  
FOR CE MARKET

"MEGA PULSE 30+" LASER

1.21



Product no.	
<p><b>Laser surgery device tower 30 W</b> included in delivery:</p> <ul style="list-style-type: none"> <li>1x Fiberstripper optical fibers Ø 100-400µm (OBM001080.00)</li> <li>1x Fiberstripper optical fibers Ø 300-1000µm (OBM001079.00)</li> <li>1x Ceramic fiber cutter with slipcase (AGM000080.00)</li> <li>1x Filling bottle + tubes (IAM000088.00)</li> <li>2x Goggle protection F18.P1D09.1003 (OBM003778.00)</li> <li>1x Footswitch (EBM002018.00)</li> <li>1x Key (MBQ000190.00)</li> <li>1x Interlock conn. Medical devices binder (EAM000045.00)</li> <li>1x Blast shield with mounting (OAM001523.00)</li> <li>3x Water drain tube (IAM000001.00)</li> <li>1x Case salsa 1650 no brand accessories (KBM000103.01)</li> </ul>	<p><b>PVMS00065</b></p>

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# MEGA Pulse<sup>30+</sup>

## TECHNICAL DATA FOR CE MARKET

PVMS00065	
<b>Device properties</b>	
Display	8,4 Touchscreen
Power	30 Watt
Laser type	Holmium:YAG laser (Ho:YAG)
Wavelength	2,100 nm ± 20nm
Operating principle	Pulsed
Energy	200 mJ – 4.000 mJ
Pulse duration	150-800 µs (± 20%)
Pilot beam	Green: 532 nm (adjustable) < 5 mW, class3R
Max. operating temperature	10°C – 30°C
Storage temperature	min. + 5°C, max. 40°C
Cooling system	Integrated water cooling system with water/air heat exchanger
<b>Power supply</b>	
Voltage	100 - 120 Vac; 50/60 Hz; 16A 200 - 240 Vac; 50/60 Hz; 10A
Frequency	3 Hz – 25 Hz
<b>Dimensions and weights</b>	
Dimensions (W x H x D)	260 x 920 x 840 mm
Weight (without water)	60 kg

**MEGA***Pulse*<sup>30+</sup>  
LASER FIBERS  
FOR CE-MARKET



		Core diameter						Product no.
		200 µm	272 µm	365 µm	550 µm	800 µm	1000 µm	
Single use, sterile (Pack= 10 PCS)	Single use optical fiber 200 µm	●						OFC002011
	Single use optical fiber ball tip 272µm		●					OFC302711
	Single use optical fiber 272µm		●					OFC702711
	Single use optical fiber 365µm			●				OFC703611
	Single use optical fiber 550µm				●			OFC005511
	Single use optical fiber 800µm					●		OFC008011
	Single use optical fiber 1000µm						●	OFC009911
Multiple use, sterile (Pack= 1 PCS)	Reusable 10x optical fiber 200µm	●						OFC002013
	Reusable 10x optical fiber 272µm		●					OFC702713
	Reusable 10x optical fiber 365µm			●				OFC703613
	Reusable 10x optical fiber 550µm				●			OFC005513
	Reusable 10x optical fiber 800µm					●		OFC008013
	Reusable 10x optical fiber 1000µm						●	OFC009913

# MEGA Pulse<sup>30+</sup>

## ACCESSORIES FOR CE MARKET

Accessorie (included in delivery)			Product no.	Product no.
Fiberstripper optical fibers Ø 100-400µm	for stripping laser fibers	Ø 0,1 - 0,4 mm	1	OBM001080.00
Fiberstripper optical fibers Ø 300-1000µm		Ø 0,3 - 1,0 mm	1	OBM001079.00
Ceramic fiber cutter with slipcase			1	AGM000080.00
Filling bottle + tubes			1	IAM000088.00
Goggle protection F18.P1D09.1003	(Also suitable for glasses-wearers)		2	OBM003778.00
Footswitch			1	EBM002018.00
Key			1	MBQ000190.00
Interlock conn. Medical devices binder			1	EAM000045.00
Blast shield with mounting			1	OAM001523.00
Water drain tube			3	IAM000001.00
Case salsa 1650 no brand accessories			1	KBM000103.01

Optional accessories:			Product no.
Fiber stripping tool, autoclavable	for stripping laser fibers	Ø 200 – 272 µm	AGM000053
		Ø 365 – 400 µm	AGM000078
		Ø 550 – 600 µm	AGM000052
		Ø 800 µm	AGM000064
Ceramic cutter with silicon pad	for shortening laser fibers, autoclavable		AGM000080

Machine reprocessing		Product no.
 <b>Perforated basket for laser fiber</b>	Holds: Laser fiber, for machine reprocessing, sterilization (steam and low-temperature), storage, and transport; internal dimensions (W x H x D): 231 x 52 x 223 mm external dimensions (W x H x D): 248 x 72 x 239 mm	38001
Also:  <b>Fixing ring Ø 34.6 mm</b>	for holding instruments during machine reprocessing, sterilization (steam and low-temperature), storage, and transport, Ø 34.6 x 2.62 mm, Pack = 5 PCS	643301262

"MEGA PULSE 30+" LASER

1.21

VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# Pulvis 60<sup>+</sup>

60 W THULIUM FIBER LASER (TFL)

FOR STONE THERAPY AND ENDOSCOPIC ENUCLEATION OF THE PROSTATE (EEP)

"PULVIS 60<sup>+</sup>" LASER

1.22



		Product no.
<p><b>Pulvis 60<sup>+</sup></b> 60 W thulium fiber laser (TFL)</p>	<p><b>PFMS00006</b></p>	

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# Pulvis 60<sup>+</sup>

## 60 W THULIUM FIBER LASER (TFL)

### TECHNICAL DATA

Pulvis 60 <sup>+</sup>		PFMS00006	
<b>Device properties</b>			
Display	Fold-out, rotatable touchscreen display (rotates 90° to the right and 180° to the left)		
Operating temperature	15–30 °C (at a room temperature between 25 °C and 30 °C, operation is guaranteed with a maximum output power of up to 40 W)		
Storage/transport temperature	Min. +5 °C/max. 40 °C		
Atmospheric pressure	800–1,060 hPa		
Operating humidity	30–85 %, non-condensing		
Max. noise level	< 70.0 dB		
<b>Equipment</b>			
Cooling method	Air cooling system		
<b>Power supply</b>			
Mains + frequency	100–240 V AC, 50/60 Hz		
Power consumption	1,000 VA		
<b>Regulatory standards</b>			
Classification according to the Medical Devices Directive 93/42/EEC	Class IIb		
Laser classification according to IEC/EN 60825-1:2014	Class 4		
Pilot beam classification according with IEC/EN 60825-1:2014	Class 3R		
<b>Dimensions and weights</b>			
Weight	100 kg		
Dimensions (W x H x D)	470 x 1,156 x 810 mm 470 x 940 x 810 mm – display closed		

# Pulvis 60<sup>+</sup>

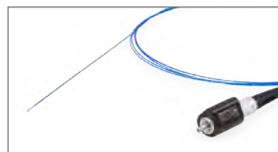
## 60 W THULIUM FIBER LASER (TFL)

### TECHNICAL DATA

Pulvis 60 <sup>+</sup>		PFMS00006
<b>Laser source specifications</b>		
Laser type	Thulium fiber-laser	
Wavelength	1,940 nm ± 20 nm	
Maximum output power	60 W (pulsed/CW)	
Pulse energy	0.02–6 J	
Operating mode	Pulsed/CW	
Pulse duration	50 µs – CW	
Frequency of recurrence	1–2,500 Hz	
Delivery system	Large selection of laser fibers (see next page) (sterile, disposable, and reusable)	
Pilot beam	Green 532 nm (adjustable) < 5 mW, class 3R	
Goggles	1940 D LB4	

# Pulvis 60<sup>+</sup>

## LASER FIBERS



		Core diameter									Product no.
		150 µm	200 µm	272 µm	365 µm	500 µm	550 µm	600 µm	800 µm	1,000 µm	
Single use, sterile (Pack= 1 PC)	Single use optical fiber 150 µm	●									OFJ001511
	Single use optical fiber 200 µm		●								OFJ002011
	Single use optical fiber 272 µm			●							OFJ702711
	Single use optical fiber ball tip 272 µm			●							OFJ302711
	Single use optical fiber 365 µm				●						OFJ703611
	Single use optical fiber 550 µm						●				OFJ005511
	Single use optical fiber lateral 600 µm							●			OFJ506011
	Single use optical fiber 800 µm								●		OFJ008011
	Single use optical fiber 1,000 µm									●	OFJ009911
Multiple use, sterile (Pack= 10 PCS)	Reusable 10x optical fiber 200 µm		●								OFJ002013-01
	Reusable 10x optical fiber 272 µm			●							OFJ702713-01
	Reusable 10x optical fiber 365 µm				●						OFJ703613-01
	Reusable 10x optical fiber 500 µm					●					OFJ005513-01
	Reusable 10x optical fiber 800 µm								●		OFJ008013-01
	Reusable 10x optical fiber 1,000 µm									●	OFJ009913-01

# Pulvis 60<sup>+</sup>

## ACCESSORIES

Accessories	Product no.
Interlock Conn. Medical Devices Binder	EAM000045.00
Key	MBQ000190.00
Power cord-5m-spina Shuko 16A EUR	EAM001440.00
Fiberstripper optical fibers Ø300-1000 µm	OBM001079.00
Fiberstripper optical fibers Ø100-400 µm	OBM001080.00
Case salsa 1650 no brand accessories	KBM000103.01
Ceramic fiber cutter with slipcase	AGM000080.00
Goggle protection f18.P1d09.1003	OBM003778.00
Optical blast shield for ffl ext-access	OAM002112.00

Machine reprocessing	Product no.
 <p><b>Perforated basket for laser fiber</b></p>	<p>Holds: Laser fiber, for machine reprocessing, sterilization (steam and low-temperature), storage, and transport; internal dimensions (W x H x D): 231 x 52 x 223 mm external dimensions (W x H x D): 248 x 72 x 239 mm</p> <p><b>38001</b></p>
<p>Also:</p>  <p><b>Fixing ring Ø 34.6 mm</b></p>	<p>for holding instruments during machine reprocessing, sterilization (steam and low-temperature), storage, and transport, Ø 34.6 x 2.62 mm, Pack = 5 PCS</p> <p><b>643301262</b></p>

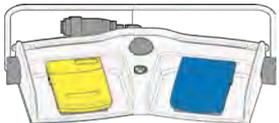
V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# HF GENERATOR 2260



		Product no.
<b>HF surgical generator 400 kHz</b>	for the connection of monopolar and bipolar accessories, international version (BOWA, KLS Martin, Olympus, Karl Storz, Valleylab)	<b>2260001</b>
<b>HF surgical generator 400 kHz</b>	for the connection of monopolar and bipolar accessories, E version (Erbe)	<b>2260002</b>

HF GENERATOR 2260  
**1.23**

Accessories required	Cable length	Product no.
<b>Footswitch, 2 pedals L 5 m</b> with fixed connection cable, reusable 		<b>2260021</b>
<b>Neutral electrode</b> for use with high-frequency surgical device, foil bag with 5 neutral electrodes (Pack = 50 PCS)		<b>1280H</b>
<b>Mono HF neutral electrode cable, L 4.5 m</b>	4.5 m	<b>2260031</b>
<b>Power cable</b>	3.0 m	<b>2440.03</b>
<b>Bipo HF connection cable L 3 m</b>	3.0 m	<b>8108233</b>
<b>Bipo HF connection cable L 5 m</b>	5.0 m	<b>8108253</b>

# HF GENERATOR 2260

## TECHNICAL DATA

HF surgical generator 400 kHz		2260001/2260002
<b>Device properties</b>		
Type of controls on housing front		Touch panel
Output power	Max. cutting power	400 W
	Max. coagulation power	350 W
LF and HF leakage currents		Acc. to DIN EN 60601-1 and DIN EN 60601-2-2
Signal level		HF indicator 55 dB(A); adjustable 45–60 dB(A) Alarm 65 dB(A)
Operating conditions		+10 °C to +40 °C, 30 % to 75 % rel. humidity, 700 hPa to 1,060 hPa atmospheric pressure
Storage and transport conditions		-20 °C to +60 °C, 10 % to 90 % rel humidity, 700 hPa to 1,060 hPa atmospheric pressure
<b>Power supply</b>		
Mains + frequency		100–240 V AC, 50/60 Hz
Power consumption	without HF output	45 VA
	at max. output power	650 VA
Current consumption		Max. 6.3 A
Fuse		T 6.3 AH 250 V
<b>Regulatory standards</b>		
Protection class to EN/IEC 60601-1 (UL 2601-1/CSA C22.2 No.601.1 – for USA)		I
Electromagnetic compatibility (EMC)		EN/IEC 60601-1-2
Medical Devices Directive 93/42/EEC		Class IIb
Degree of protection against the ingress of liquids (DIN EN/IEC 60529)		IP X0
Degree of protection against the ingress of solids		IP 2X
Duty factor (duty cycle DC)		Intermittent INT 10 s/30 s corresponding to 25 % DC
Protection against electric shock		Type CF applied part, defibrillator-proof
Degree of protection in the presence of flammable mixtures		Device is not protected against explosions (do not operate this device in explosive atmospheres)
<b>Dimensions and weights</b>		
Weight		10.2 kg (22.4 lbs)
Dimensions (W x H x D)		300 x 159 x 419 mm

# HF CONNECTION CABLE MONO 815XXX

HF CONNECTION CABLE

1.24

Instrument connector	Device connector		Product no.	
<b>WOLF Resectoscopes</b> 	 <p>ERBE (ACC/ICC/IO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002</p>	HF connection cable mono L 3 m	<b>815.032</b>	
		HF connection cable mono L 5 m	<b>815.052</b>	
	 <p>ERBE (T series)</p>	HF connection cable mono L 3 m	<b>815.132</b>	
		HF connection cable mono L 5 m	<b>815.152</b>	
	<b>HF electrodes, monopolar</b> 	 <p>Martin (M-version)/Berchtold/ Aesculap</p>	HF connection cable mono L 3 m	<b>815.031</b>
			HF connection cable mono L 5 m	<b>815.051</b>
 <p>Bovie/Valleylab/Erbe (Int.)/ BOWA (Int.) R. Wolf HF surgical generator 400 kHz 2260001</p>		HF connection cable mono L 3 m	<b>815.033</b>	
		HF connection cable mono L 5 m	<b>815.053</b>	
 <p>BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001</p>		HF connection cable mono L 3 m	<b>815.034</b>	
		HF connection cable mono L 5 m	<b>815.054</b>	

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# HF CONNECTION CABLE MONO 8106xxx

HF CONNECTION CABLE

1.24

Instrument connector	Device connector		Product no.
<b>WOLF Instruments/surgical generator</b> 		HF connection cable mono L 3 m	<b>8106.032</b>
	ERBE (ACC/ICC/IO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002	HF connection cable mono L 5 m	<b>8106.052</b>
		HF connection cable mono L 3 m	<b>8106.132</b>
	ERBE (T series)	HF connection cable mono L 5 m	<b>8106.152</b>
		HF connection cable mono L 3 m	<b>8106.031</b>
	Martin (M-version)/Berchtold/ Aesculap	HF connection cable mono L 5 m	<b>8106.051</b>
<b>HF electrodes, monopolar</b> 		HF connection cable mono L 3 m	<b>8106.033</b>
	Bovie/Valleylab/Erbe (Int.)/ BOWA (Int.) R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m	<b>8106.053</b>
		HF connection cable mono L 3 m	<b>8106.034</b>
	BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable mono L 5 m	<b>8106.054</b>

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# HF CONNECTION CABLE BIPO 8108XXX

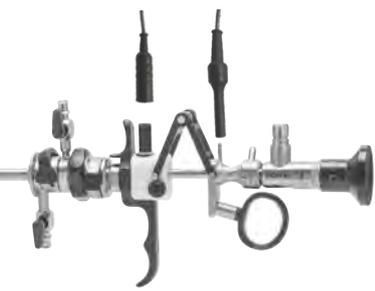
Instrument connector	Device connector		Product no.	
<p><b>WOLF Bipolar forceps</b></p> 	 <p>ERBE (ACC/ICC/T)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	<p>HF connection cable bipo; L 3 m</p>	<b>8108.032</b>	
		<p>HF connection cable bipo; L 5 m</p>	<b>8108.052</b>	
	 <p>International / 2-pin Valleylab R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	<p>HF connection cable bipo; L 3 m</p>	<b>8108.033</b>	
		<p>HF connection cable bipo; L 5 m</p>	<b>8108.053</b>	
	 <p>WOLF/Martin (M-version)/ Berchtold/Aesculap</p>	<p>HF connection cable bipo; L 3 m</p>	<b>8108.031</b>	
		<p>HF connection cable bipo; L 5 m</p>	<b>8108.051</b>	
	 <p>EMC Dolley</p>	<p>HF connection cable bipo; L 3 m</p>	<b>8108035</b>	
	<p><b>Bipolar tweezers connection</b></p> 	 <p>ERBE (ACC/ICC/T)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	<p>HF connection cable bipo; L 3 m</p>	<b>8108.132</b>
			<p>HF connection cable bipo; L 5 m</p>	<b>8108.152</b>
		 <p>International / 2-pin Valleylab R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	<p>HF connection cable bipo; L 3 m</p>	<b>8108.133</b>
		<p>HF connection cable bipo; L 5 m</p>	<b>8108.153</b>	
 <p>Martin (M-version)/Berchtold/ Aesculap</p>		<p>HF connection cable bipo; L 3 m</p>	<b>8108.131</b>	
		<p>HF connection cable bipo; L 5 m</p>	<b>8108.151</b>	
 <p>EMC Dolley</p>		<p>HF connection cable bipo; L 3 m</p>	<b>8108135</b>	

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

**HF CONNECTION CABLE BIPO  
FOR RESECTION IN SALINE SOLUTION**

HF CONNECTION CABLE

1.24

Instrument connector	Device connector		Product no.
<p><b>WOLF S(a)line resectoscopes</b></p> 	 Erbe VIO 300D	<p><b>Bipolar cable; TUR/TCR; WOLF</b></p> <p>MF plug; L 4 m</p>	<p><b>20196-119</b></p>
	 Erbe VIO 3	<p><b>Bipolar cable; MF-U</b></p> <p>MF plug; L 4.5 m</p>	<p><b>21196-119</b></p>
	 KLS Martin	<p><b>HF connection cable bipo; L 3 m</b></p>	<p><b>8108.231</b></p>
	 KLS Martin	<p><b>HF connection cable bipo; L 5 m</b></p>	<p><b>8108.251</b></p>
	 R. Wolf HF surgical generator 400 kHz 2260001/2260002	<p><b>HF connection cable bipo; L 3 m</b></p>	<p><b>8108233</b></p>
	 R. Wolf HF surgical generator 400 kHz 2260001/2260002	<p><b>HF connection cable bipo; L 5 m</b></p>	<p><b>8108253</b></p>

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# FLUID CONTROL 2225

## SUCTION IRRIGATION PUMP



		Product no.
<b>FLUID CONTROL 2225</b> <b>Irrigation pump for HYS/URO/LAP bndI</b> consisting of: Irrigation pump for HYS/URO/LAP (2225001) and power cable 3 m long (2440.03)		<b>22250011</b>
<b>Also:</b>		
<b>Balancing module</b> for hysteroscopy and endourology, fluid management for fluid balancing in combination with FLUID CONTROL 2225, mobile stand with integrated weighing cells and space for up to 4 irrigation fluid bags		<b>2225023</b>

Accessories		Product no.
<b>Footswitch</b>	Only for use in urology and within the indication TUR/enucleation, possibility of short-term increase in pressure if visibility is poor (Flush function)	<b>2204901</b>

Cable accessories		Product no.
<b>Patch cable, RJ45 SFTP, 0.5 m</b>	Cable length 0.5 m	<b>72325378</b>
<b>Patch cable, RJ45 HRS TM11, 1.0 m</b>	Cable length 1.0 m	<b>72325429</b>
<b>Patch cable, RJ45 S/FTP CAT.6 10 m</b>	Cable length 10 m	<b>72325434</b>
<b>Plastic caps for network socket</b>	(Pack = 8 PCS)	<b>5592105</b>
<b>Power cable</b>	Cable length 3 m	<b>2440.03</b>

FLUID CONTROL 2225

1.25

# FLUID CONTROL 2225

## SUCTION IRRIGATION TUBE SETS

Irrigation			Product no.
Accessories – reusable	Tube set with piercing spike	with Luer-Lock connection, autoclavable, incl. 10 spare membranes, reusable for 20 reprocessing cycles	<b>8171223</b>
Accessories – disposable	Irrigation tube set with piercing spike, L 3 m	(PACK= 10 PCS), with Luer-Lock connection, sterile, disposable product	<b>4171223</b>
	Tube set with CARE-LOCK, L 3 m	(PACK= 10 PCS), sterile, disposable product	<b>4171224</b>
	Suction irrigation tube set	(PACK= 10 PCS), with piercing spike, sterile disposable product, PVC	<b>4171225</b>

Suction			Product no.
Accessories – reusable	Tube set for vacuum, incl. filter	with integrated hygiene filter, PACK= 10 PCS, service life: 30 days (connected to irrigation pump)	<b>2206207</b>
	Irrigation tube	L 1.2 m, with Luer-Lock, for suction irrigation handle 8385.901 and tube set 8171223 or 8170.223	<b>817123</b>
	Suction tube L 3 m	for suction irrigation handle 8385.901	<b>8171402</b>
	Secretion container, 2 l	2 liters, without cover	<b>8170.6551</b>
	Cover	for secretion trap 8170.6551, reusable	<b>8170.6552</b>
Accessories – disposable	Secretion container, 2.5 l	2.5 liters	<b>41706566</b>
	Secretion container bndl consisting of:	Secretion container 2.5 l (41706566) and secretion bag (PACK= 90 PCS) (41706564)	<b>4170657</b>
	Tube set for suction (2 connections)	sterile, disposable product, (PACK= 10 PCS) for connecting instruments to collecting container	<b>T0503-01</b>
	Angled 90° plug-in coupling	(PACK= 10 PCS) For connecting vacuum tube 2206207 to disposable container systems	<b>0771019</b>

# TECHNICAL DATA

## FLUID CONTROL 2225

FLUID CONTROL 2225		2225001
<b>Device properties</b>		
Operating conditions		+10 °C to +40 °C, 30 % to 75 % rel. humidity, 70 to 106 kPa atmospheric pressure 3,000 m max. altitude above sea level
Storage and transport conditions		-20 °C to +60 °C, 10 % to 90 % rel. humidity, 70 to 106 kPa atmospheric pressure
<b>Power supply</b>		
Mains + frequency		100–240 V AC, 50/60 Hz
Power consumption	100 V/60 Hz	110 VA
	240 V/50 Hz	120 VA
Current consumption	100 V/60 Hz	1.10 A
	240 V/50 Hz	0.50 A
Fuse		T 3.15 AH, 250 V
<b>Regulatory standards</b>		
Protection class (I, II)		I
Electromagnetic compatibility (EMC)		EN 60601-1/IEC 60601-1 EN 60601-1-2/IEC 60601-1-2
Medical Devices Directive 93/42/EEC		Class IIb
Housing protection rating (IP code)		IP 21
Protection against electric shock		Type BF applied part
Degree of protection in the presence of flammable mixtures		Device is not protected against explosions (do not operate this device in explosive atmospheres)
Maximum suction vacuum		-60 kPa
<b>Dimensions and weights</b>		
Weight		8.8 kg
Dimensions (W x H x D)		300 mm x 157 mm x 436 mm

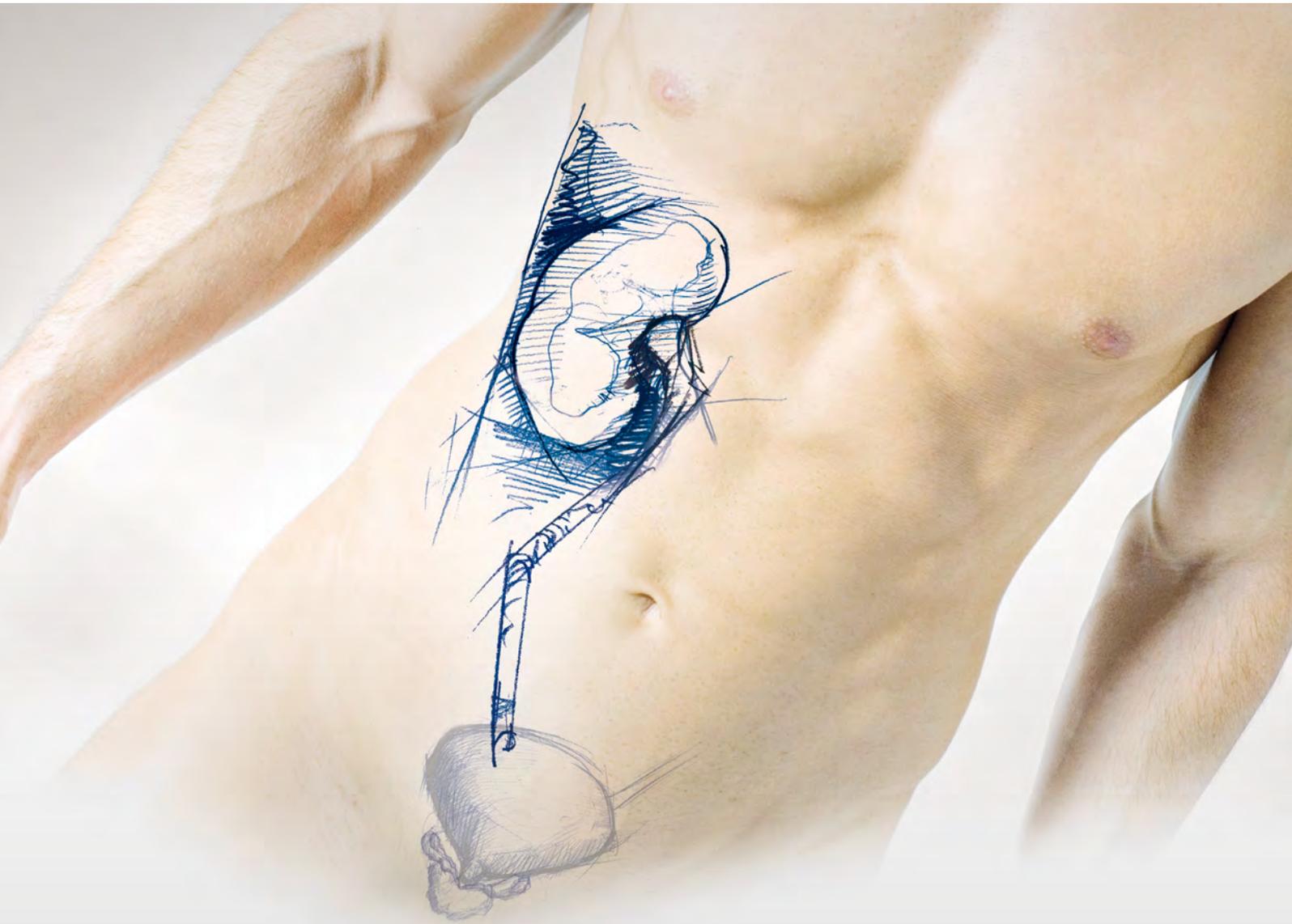
Relevant application parameters	
Nominal flow range	Hysteroscopy: 800 ml/min (max. flow, not adjustable) Endourology: 10–800 ml/min (max. flow) Laparoscopy: 0.1–1.8 l/min (max. flow)
Suction power	Max. 2 l/min
Starting nominal pressure range	Hysteroscopy: 15–200 mmHg Endourology: 15–90 mmHg/20–120 cmH2O Laparoscopy: 300 mmHg (not adjustable)
Pressure	0–300 mmHg
Deficit	-9,990 to +9,990 ml/0 to 99.9 l

# TECHNICAL DATA

## FLUID CONTROL 2225

<b>Balancing module</b>		<b>2225023</b>
<b>Device properties</b>		
Operating conditions	+10 °C to +40 °C, 30 % to 75 % rel. humidity, 70 to 106 kPa atmospheric pressure 3,000 m max. altitude above sea level	
Storage and transport conditions	-20 °C to +60 °C, 10 % to 90 % rel. humidity, 70 to 106 kPa atmospheric pressure	
<b>Regulatory standards</b>		
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1 EN 60601-1-2/IEC 60601-1-2	
Housing protection rating (IP code)	IP 21	
Maximum load of container scale	16 kg/4 containers of 3 l each	
Maximum load of bag scale	23 kg/4 bags of 5 l each	
<b>Dimensions and weights</b>		
Weight	15.4 kg	
Dimensions (W x H x D)	618 mm x 1,064 mm x 618 mm	

<b>Footswitch</b>		<b>2204901</b>
<b>Power supply</b>		
Power supply connection	Max. 24 V	
Power consumption	Max. 0.1 A	
<b>Regulatory standards</b>		
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1	
Housing protection rating (IP code)	IP X8	
Plug	7-pin circular connector	
Cable length	4.5 m	
<b>Dimensions and weights</b>		
Weight	300 g	
Dimensions (W x H x D)	66 mm x 27 mm x 91 mm	



## UPPER URINARY TRACT

## UPPER URINARY TRACT

### URETERORENOSCOPY

2.1 "E-LINE" URETERORENOSCOPE / FIBER URETERORENOSCOPES / CONTINUOUS IRRIGATION URETERORENOSCOPES

2.2 FLEXIBLE FIBER URS 270° – THE VIPER

2.3 FLEXIBLE 2-CHANNEL CONTINUOUS IRRIGATION LASER URS – THE COBRA

2.4 FLEXIBLE 1-CHANNEL SENSOR URETERORENOSCOPES - BOA vision / BOA vision EF

2.5 FLEXIBLE 2-CHANNEL SENSOR URETERORENOSCOPES – COBRA vision / COBRA vision EF

### NEPHROSCOPY

2.7 DILATORS FOR PERCUTANEOUS UNIVERSAL NEPHROSCOPES

2.8 MINI NEPHROSCOPE BY LAHME

2.9 PERCUTANEOUS UNIVERSAL NEPHROSCOPE, "DRESDEN MODEL"

2.10 PERCUTANEOUS UNIVERSAL NEPHROSCOPES

2.11 FLEXIBLE FIBER NEPHROSCOPE

### LASER ENERGY SOURCES

2.12 "MEGA PULSE 70+" / "MEGA PULSE 30+" HOLMIUM:YAG LASER (Ho:YAG)

2.13 "PULVIS 60+" THULIUM FIBER LASER (TFL)

### SUCTION IRRIGATION PUMP

2.14 FLUID CONTROL 2225

E-line

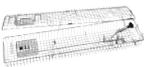
# ULTRA-THIN FIBER URETERORENOSCOPE WITH LATERAL EYEPIECE



**AUTOCLAVE**  
**134° C / 273° F**



	WL	TL	Direction of view	Endoscope tip/Sheath tube	Working channel	Product no.
<b>Ureterorenoscope 5°</b> <b>4.5/6.5 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	555 mm	5°	4.5/6.5 Fr	3 Fr	<b>8701.534</b>

Recommended accessories		Product no.
	Flex. grasping forceps 3 Fr WL 530 mm	<b>828.605</b>
	Flex. biopsy forceps 3 Fr WL 530 mm	<b>829.603</b>
Handle for E-Line ureterorenoscopes		<b>8702.261</b>
Guide element for ureterorenoscope for LITHOCLAST handpieces		<b>8702.251</b>
for inserting auxiliary instruments of 1–6 Fr: <b>universal sealing valve 1–6 Fr</b> , sterile (Pack = 5 PCS)		<b>4712348</b>
<b>Membrane holder</b> standard		<b>15256.393</b>
<b>Membrane holder</b> with Luer		<b>15256.456</b>
<b>Seal Ø 7.5 mm</b> (Pack = 10 pcs)		<b>89.101</b>
<b>Perforated basket, upper urinary tract 1</b> with small part basket	 Internal dimensions (W x H x D): 619 x 65 x 124 mm External dimensions (W x H x D): 35 x 75 x 132 mm	<b>38003</b>
<b>Marking pen</b> , black		<b>38201.948</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>
<b>Auxiliary instruments</b>		see URO119

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

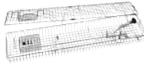
E-line

FIBER URETERORENOSCOPE  
WITH STRAIGHT EYEPIECE



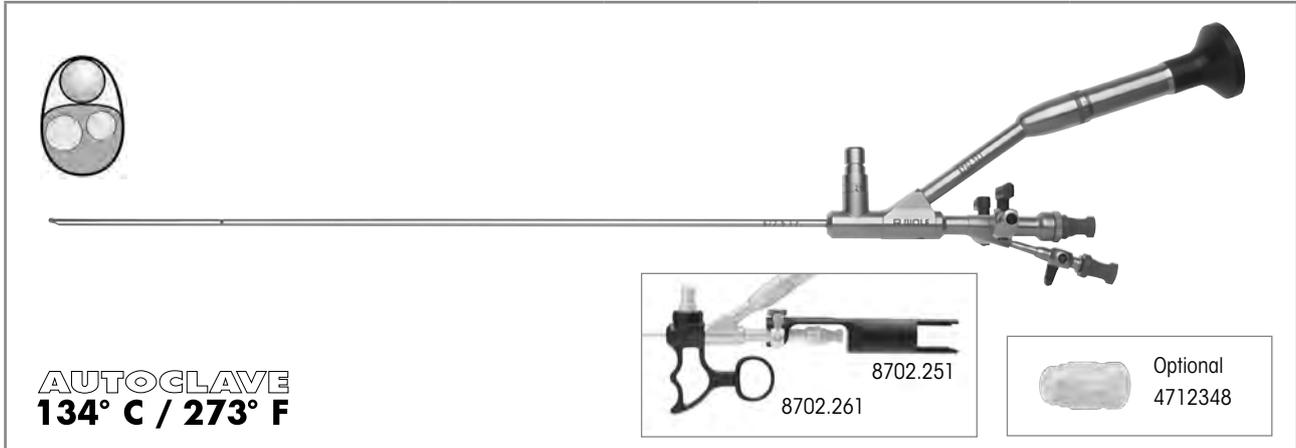
**AUTOCLAVE**  
**134° C / 273° F**

	WL	TL	Direction of view	Endoscope tip/Sheath tube	Working channel	Product no.
<b>Ureterorenoscope 5°</b> <b>6/7.5 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	558 mm	5°	6/7.5 Fr	1 x 4 Fr or 2 x 2.2 Fr	<b>8702.514</b>
<b>Ureterorenoscope 12°</b> <b>8/9.8 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	558 mm	12°	8/9.8 Fr	1 x 5 Fr or 2 x 3 Fr	<b>8703.514</b>

Recommended accessories		Product no.
Handle for E-Line ureterorenoscopes		<b>8702.261</b>
for inserting auxiliary instruments of 1–6 Fr: <b>universal sealing valve 1–6 Fr, sterile</b> (Pack = 5 PCS)		<b>4712348</b>
<b>Perforated basket, upper urinary tract 1</b> with small part basket	 Internal dimensions (W x H x D): 619 x 65 x 124 mm External dimensions (W x H x D): 635 x 75 x 132 mm	<b>38003</b>
<b>Marking pen, black</b>		<b>38201.948</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long  <b>806625231</b>
<b>Auxiliary instruments</b>		<b>see URO119</b>

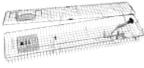
*E-line*

**FIBER URETERORENOSCOPE**  
WITH LATERALLY OFFSET EYEPIECE



**AUTOCLAVE**  
**134° C / 273° F**

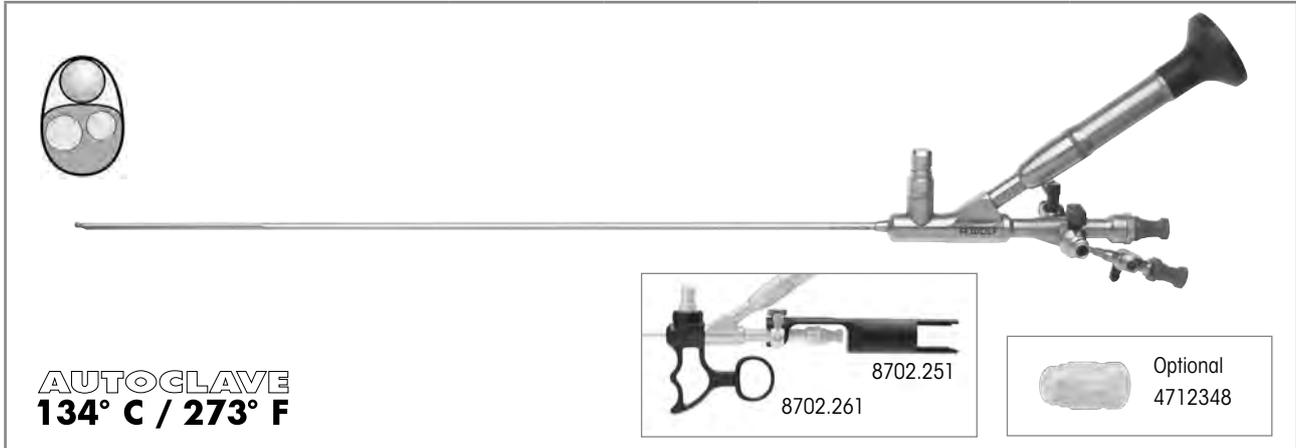
	WL	TL	Direction of view	Endoscope tip/Sheath tube	Working channel	Product no.
<b>Ureterorenoscope 5°</b> <b>6/7.5 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	599 mm	5°	6/7.5 Fr	1 x 4 or (2 x 2.2) Fr	<b>8702.524</b>
<b>Ureterorenoscope 12°</b> <b>8/9.8 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	599 mm	12°	8/9 Fr	1 x 5 or (2 x 3) Fr	<b>8703.524</b>
<b>Ureterorenoscope 12°</b> <b>8.5/11.5 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	599 mm	12°	8.5/11.5 Fr	1 x 6 or (2 x 4) Fr	<b>8704.524</b>

Recommended accessories		Product no.
<b>Handle for E-Line ureterorenoscopes</b>		<b>8702.261</b>
<b>Guide element for ureterorenoscope for LITHOCLAST handpieces</b>		<b>8702.251</b>
for inserting auxiliary instruments of 1–6 Fr: <b>universal sealing valve 1–6 Fr, sterile (Pack = 5 PCS)</b>		<b>4712348</b>
<b>Membrane holder standard</b>		<b>15256.393</b>
<b>Membrane holder with Luer connection</b>		<b>15256.456</b>
<b>Seal Ø 7.5 mm (Pack = 10 pcs)</b>		<b>89.101</b>
<b>Perforated basket, upper urinary tract 1</b> with small part basket		Internal dimensions (W x H x D): 619 x 65 x 124 mm External dimensions (W x H x D): 635 x 75 x 132 mm <b>38003</b>
<b>Marking pen, black</b>		<b>38201.948</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long <b>806625231</b>
<b>Auxiliary instruments</b>		see URO119

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

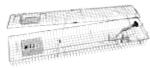
E-line

# FIBER URETERORENOSCOPE WITH LATERAL EYEPIECE



**AUTOCLAVE**  
**134° C / 273° F**

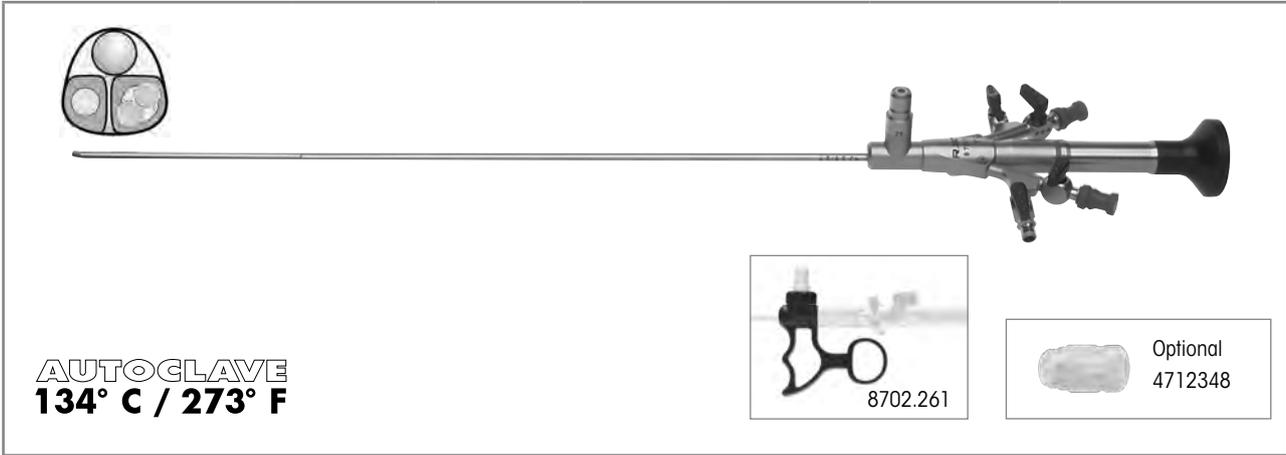
	WL	TL	Direction of view	Endoscope tip / Sheath tube	Working channel	Product no.
<b>Ureterorenoscope 5°</b> <b>6/7.5 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	563 mm	5°	6/7.5 Fr	1 x 4 Fr or 2 x 2.2 Fr	<b>8702.534</b>
<b>Ureterorenoscope 12°</b> <b>8/9.8 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	563 mm	12°	8/9.8 Fr	1 x 5 Fr or 2 x 3 Fr	<b>8703.534</b>

Recommended accessories		Product no.
<b>Handle for E-Line ureterorenoscopes</b>		<b>8702.261</b>
<b>Guide element for ureterorenoscope for LITHOCLAST handpieces</b>		<b>8702.251</b>
for inserting auxiliary instruments of 1–6 Fr: <b>universal sealing valve 1–6 Fr, sterile (Pack = 5 PCS)</b>		<b>4712348</b>
<b>Membrane holder standard</b>		<b>15256.393</b>
<b>Membrane holder with Luer</b>		<b>15256.456</b>
<b>Seal Ø 7.5 mm (Pack = 10 pcs)</b>		<b>89.101</b>
<b>Perforated basket, upper urinary tract 1</b> with small part basket		Internal dimensions (W x H x D): 619 x 65 x 124 mm External dimensions (W x H x D): 635 x 75 x 132 mm
<b>Marking pen, black</b>		<b>38201.948</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long  <b>806625231</b>
<b>Auxiliary instruments</b>		<b>see URO119</b>

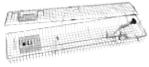
VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

E-line

**CONTINUOUS IRRIGATION URETERORENOSCOPE  
WITH STRAIGHT EYEPIECE**



	WL	TL	Direction of view	Endoscope tip / Sheath tube	Working channel	Product no.
<b>Ureterorenoscope 5°</b> <b>6.5/8.5 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	572 mm	5°	6.5 / 8.5 Fr	Working channel 1: 1 x 4 (2 x 2.2) Fr Working channel 2: 2.4 Fr	<b>8708.518</b>

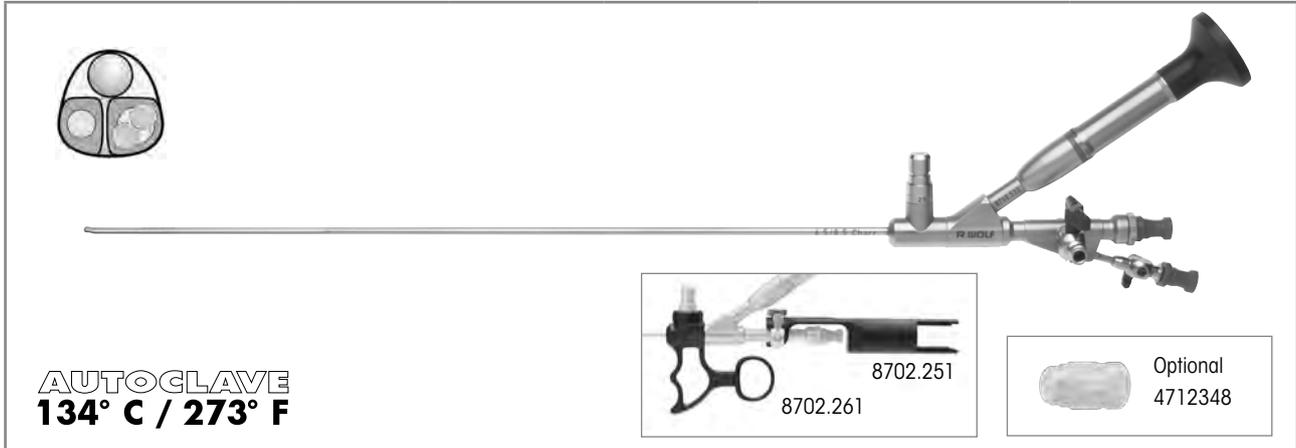
Recommended accessories		Product no.
<b>Handle for E-Line ureterorenoscopes</b>		<b>8702.261</b>
for inserting auxiliary instruments of 1–6 Fr: <b>universal sealing valve 1–6 Fr, sterile (Pack = 5 PCS)</b>		<b>4712348</b>
<b>Perforated basket, upper urinary tract 1</b> with small part basket 	Internal dimensions (W x H x D): 619 x 65 x 124 mm External dimensions (W x H x D): 635 x 75 x 132 mm	<b>38003</b>
<b>Marking pen, black</b>		<b>38201.948</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>
<b>Auxiliary instruments</b>		see URO119

FIBER URETERORENOSCOPES  
2.1

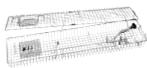
VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

E-line

# CONTINUOUS IRRIGATION URETERORENOSCOPE WITH LATERAL EYEPiece



	WL	TL	Direction of view	Endoscope tip/Sheath tube	Working channel	Product no.
<b>Ureterorenoscope 5°</b> <b>6.5/8.5 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	563 mm	5°	6.5/8.5 Fr	1 x 4.2 Fr and 2 x 2.4 Fr	<b>8708.534</b>
<b>Ureterorenoscope 12°</b> <b>8/9.8 Fr WL 430 mm</b> Atraumatically shaped tip	430 mm	563 mm	12°	8/9.8 Fr	1 x 5 or (2 x 3) Fr	<b>8703.534</b>

Recommended accessories		Product no.
<b>Handle for E-Line ureterorenoscopes</b>		<b>8702.261</b>
<b>Guide element for ureterorenoscope for LITHOCLAST handpieces</b>		<b>8702.251</b>
for inserting auxiliary instruments of 1–6 Fr: <b>universal sealing valve 1–6 Fr, sterile (Pack = 5 PCS)</b>		<b>4712348</b>
<b>Membrane holder standard</b>		<b>15256.393</b>
<b>Membrane holder with Luer connection</b>		<b>15256.456</b>
<b>Seal Ø 7.5 mm (Pack = 10 pcs)</b>		<b>89.101</b>
<b>Perforated basket, upper urinary tract 1</b> with small part basket		Internal dimensions (W x H x D): 619 x 65 x 124 mm External dimensions (W x H x D): 635 x 75 x 132 mm
<b>Marking pen, black</b>		<b>38201.948</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long  <b>806625231</b>
<b>Auxiliary instruments</b>		<b>see URO119</b>

## FORCEPS AND SCISSORS

SMALL MODULAR SYSTEM **HySafe**

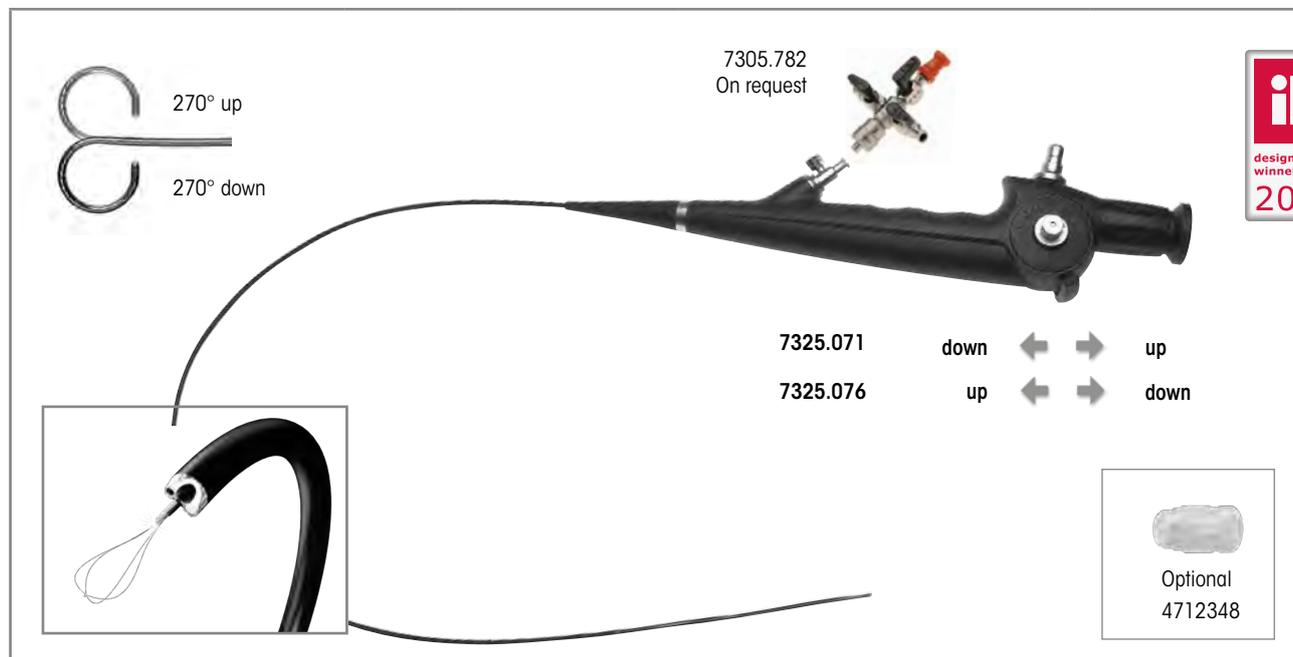
360° ROTATABLE, CAN BE FLUSHED THROUGH, EASY-CLICK

Grasping forceps jaw insert with sheath				Handle with overload protection	Complete instrument
					<ul style="list-style-type: none"> <li>• Jaw section</li> <li>• Handle</li> </ul>
	Product no.	Fr	WL	8083.001	Product no.
<b>Biopsy forceps bndl</b> 	8952.6008	5	550 mm	•	<b>8952.6002</b>
<b>Grasping forceps bndl with mouse tooth</b> 	8952.6118	4	550 mm	•	<b>8952.6112</b>
	8959.6218	5	425 mm	•	<b>8959.6212</b>
	8952.6218	5	550 mm	•	<b>8952.6212</b>
<b>Grasping forceps bndl with pike-mouth jaws, long</b> 	8959.6808	5	425 mm	•	<b>8959.6802</b>
	8954.6808	5	550 mm	•	<b>8954.6802</b>
<b>Grasping forceps bndl with pike-mouth jaws, short</b> 	8952.6508	5	550 mm	•	<b>8952.6502</b>

**THE VIPER**

**FLEXIBLE FIBER URETERORENOSCOPES  
270°**

FLEXIBLE FIBER URS 270°  
  
2.2



	Outer Ø	Working and laser fiber channel Ø	WL/TL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Fiber ureterorenoscope 9.6 Fr WL 680 mm</b> Slanted distal tip Articulation +270°/-270° Direction of view 0°, angle of view 85°	9.6 Fr	2x 3.6 Fr	WL 680 mm	•		<b>7325.071</b>
			TL 1005 mm		•	<b>7325.076</b>
Also:						
<b>Pressure equalization valve</b>						<b>163.904</b>
<b>Leakage tester for flex. endoscopes</b>						<b>163.903</b>
<b>Adapter</b>						<b>163914</b>
<b>Clamping element, orange (20 PCS)</b>						<b>15394144</b>
<b>Cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS)</b>						<b>7990001</b>
<b>Recommended accessories</b>						<b>Product no.</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm, TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long				<b>806625231</b>	
<b>Perforated basket for flexible endoscopes</b> Also: <b>fixing ring Ø 50.39 mm</b>	(W x H x D): 448 x 106 x 288 mm				<b>33016</b>	
					<b>643301261</b>	
<b>Auxiliary instruments</b>						<b>see UR0121</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## FLEXIBLE FIBER URETERORENOSCOPES

### TECHNICAL DATA/ACCESSORIES AND AUXILIARY INSTRUMENTS

Fiber ureterorenoscope 9.6 Fr WL 680 mm	7325.071/7325.076
Distal tip	Slanted distal tip 6 Fr
Sheath diameter	9.6 Fr
Number of working channels	2
Working/irrigation channel diameter	3.6 Fr
Articulation	270° upward, 270° downward
Working length	680 mm
Direction of view	0°
Angle of view	85°
Eyepiece	Adjustment eyepiece with diopter adjustment
Control lever	with position catch at 0° when instrument tip is extended and brake mechanism for locking

Accessories and auxiliary instruments		Product no.
	<b>Adapter</b> with 2 irrigation valves and 1 instrument port, quick-release mechanism	<b>7305.782</b>
	Also: <b>Luer sealing cap</b>	<b>15023205</b>
	<b>RIWO rubber cap, capacity 0.8 mm</b>	<b>88.01</b>
	<b>Universal sealing valve 1–6 Fr</b> for inserting auxiliary instruments of 1–6 Fr	<b>4712348</b>
	<b>Adapter</b> for machine leakage tests	<b>163.905</b>

## FLEXIBLE FIBER URETERORENOSCOPES

### ACCESSORIES AND AUXILIARY INSTRUMENTS

FLEXIBLE FIBER URS 270°

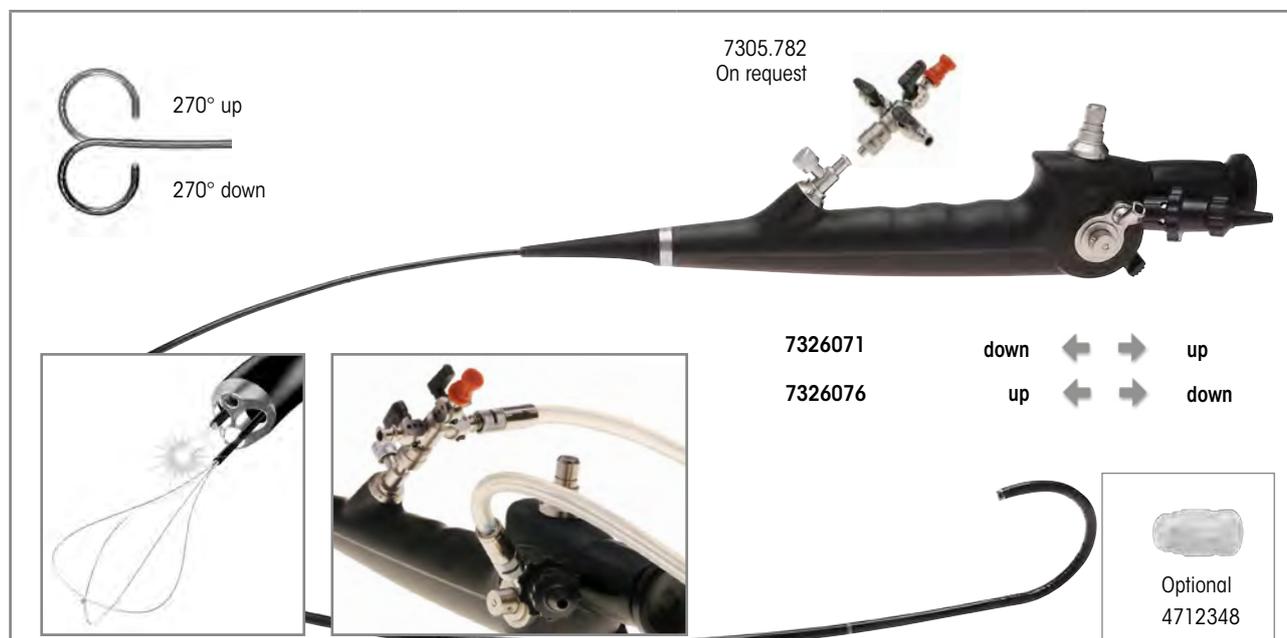
2.2

		Fr	WL	TL	Product no.
	Flex. grasping forceps 3 Fr WL 530 mm	3	530 mm	665 mm	<b>828.605</b>
	Flex. grasping forceps 5 Fr WL 550 mm	5	550 mm	720 mm	<b>828.051</b>
 Fine toothhing	Flex. grasping forceps 3 Fr WL 920 mm	3	920 mm	1,050 mm	<b>828.651</b>
	Flex. biopsy forceps 5 Fr WL 550 mm	5	550 mm	720 mm	<b>829.051</b>
	Flex. biopsy forceps 3 Fr WL 530 mm	3	530 mm	665 mm	<b>829.603</b>
	Flex. biopsy forceps Ø 3 Fr WL 920 mm	3	920 mm	1,055 mm	<b>829.601</b>
	Flex. biopsy forceps 4 Fr WL 600 mm	4	600 mm	730 mm	<b>8734.606</b>
 Pike-mouth jaws	Flex. grasping forceps 4 Fr WL 600 mm	4	600 mm	750 mm	<b>8734.656</b>
 Mouse tooth	Flex. grasping forceps 4 Fr WL 600 mm	4	600 mm	750 mm	<b>8734.686</b>
	Flex. grasping forceps 5 Fr WL 550 mm	5	550 mm	700 mm	<b>8735.685</b>
	Flex. grasping forceps 3.5 Fr WL 550 mm, fine toothhing	3.5	550 mm	700 mm	<b>8953.60</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



# FLEXIBLE FIBER 2-CHANNEL CONTINUOUS IRRIGATION LASER URETERORENOSCOPES



	Outer Ø	Working and laser fiber channel Ø	WL/TL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Fiber ureterorenoscope 9.9 Fr WL 680 mm</b> Slanted distal tip Articulation +270°/-270° Direction of view 0°, angle of view 85°	9.9 Fr	2x 3.3 Fr	WL 680 mm	•		<b>7326071</b>
			TL 1,010 mm		•	<b>7326076</b>
<b>Fiber ureterorenoscope bndl</b> consisting of: Fiber ureterorenoscope 9.9 Fr WL 680 mm (7326071), pressure equalization valve (163.904), leakage tester for flex. endoscopes (163.903), adapter (163914), clamping element (15394144), and cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS) (7990001)				•		<b>732607111</b>
<b>Fiber ureterorenoscope bndl</b> consisting of: Fiber ureterorenoscope 9.9 Fr WL 680 mm (7326076), pressure equalization valve (163.904), leakage tester for flex. endoscopes (163.903), adapter (163914), clamping element (15394144), and cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS) (7990001)					•	<b>732607611</b>
<b>Recommended accessories</b>						<b>Product no.</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm, TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)				Ø 2.5 mm, 2.3 m long		<b>806625231</b>
<b>Perforated basket for flexible endoscopes</b>  Also: <b>fixing ring Ø 50.39 mm</b>				(W x H x D): 448 x 106 x 288 mm		<b>33016</b>
						<b>643301261</b>
for auxiliary instruments, see URO125						

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



## FLEXIBLE FIBER 2-CHANNEL CONTINUOUS IRRIGATION LASER URETERORENOSCOPES

### TECHNICAL DATA

Fiber ureterorenoscope 9.9 Fr WL 680 mm	7326071/7326076
Distal tip	Slanted distal tip 6 Fr
Sheath diameter	9.9 Fr
Number of working channels	2
Working/irrigation channel diameter	3.3 Fr
Laser/irrigation channel diameter	3.3 Fr
Articulation	270° upward, 270° downward
Working length	680 mm
Direction of view	0°
Angle of view	85°
Eyepiece	Adjustment eyepiece with diopter adjustment
Control lever	with position catch at 0° when instrument tip is extended and brake mechanism for locking

ENDOCAM LOGIC HD equipment		Product no.
	<p><b>ENDOCAM Logic HD Lite controller bndl</b></p> <p>consisting of:</p> <ul style="list-style-type: none"> <li>ENDOCAM Logic HD Lite camera control unit (5525201)</li> <li>Handheld remote control USB (5525401)</li> <li>USB flash memory 8 GB (56540028)</li> <li>HDMI/DVI-D cable, lockable, 3.0 m (103843)</li> <li>Power cable (2440.03)</li> <li>5525 DVD license open-source software (64360816)</li> </ul>	<p><b>55252011</b></p>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

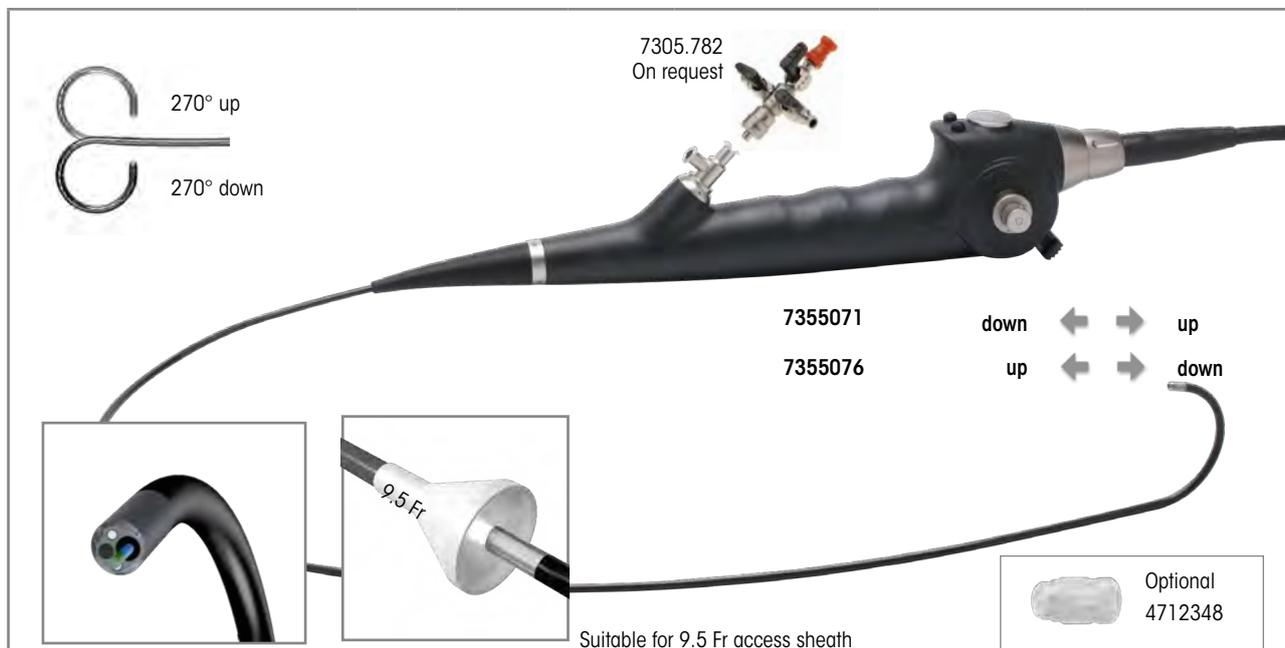


# FLEXIBLE FIBER 2-CHANNEL CONTINUOUS IRRIGATION LASER URETERORENOSCOPES ACCESSORIES AND AUXILIARY INSTRUMENTS

		Outer Ø	WL	Product no.
	<b>Flex. biopsy forceps Ø 3 Fr WL 920 mm</b>	3 Fr	920 mm	<b>829.601</b>
	<b>Flex. grasping forceps 3 Fr WL 920 mm</b>	3 Fr	920 mm	<b>828.651</b>
	<b>Adapter</b> with 2 irrigation valves and 1 instrument port, quick-release mechanism			<b>7305.782</b>
	Also: <b>Luer sealing cap</b>			<b>15023205</b>
	<b>RIWO rubber cap, capacity 0.8 mm</b>			<b>88.01</b>
	<b>Universal sealing valve 1–6 Fr</b> for inserting auxiliary instruments of 1–6 Fr			<b>4712348</b>
	<b>Adapter</b> for machine leakage tests			<b>163.905</b>
	<b>Laser adjustment unit bndl</b>			<b>15369108</b>
	Also: <b>clamping element, orange (20 pcs)</b>			<b>15394144</b>

# FLEXIBLE 1-CHANNEL SENSOR URETERORENOSCOPES

FOR ENDOCAM **Logic 4K** CONTROLLER



	Outer Ø	Working/irrigation channel	WL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Sensor ureterorenoscope 8.7 Fr WL 680 mm</b> Slanted distal tip Articulation +270°/-270° Direction of view 6.5°, angle of view 90°	8.7 Fr	3.6 Fr	680 mm	•		<b>7355071</b>
					•	<b>7355076</b>
<b>Sensor ureterorenoscope bndl</b> consisting of: Sensor ureterorenoscope 8.7 Fr WL 680 mm (7355071), pressure equalization valve (163.904), leakage tester for flex. endoscopes (163.903), and cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS) (7990001)				•		<b>73550712</b>
<b>Sensor ureterorenoscope bndl</b> consisting of: Sensor ureterorenoscope 8.7 Fr WL 680 mm (7355076), pressure equalization valve (163.904), leakage tester for flex. endoscopes (163.903), and cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS) (7990001)					•	<b>73550762</b>

Recommended accessories		Product no.
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm, TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>
<b>Perforated basket for flexible endoscopes</b>  Also: <b>fixing ring Ø 50.39 mm</b>	(W x H x D): 448 x 106 x 288 mm	<b>33016</b>
		<b>643301261</b>
for auxiliary instruments, see URO128		

## FLEXIBLE 1-CHANNEL SENSOR URETERORENOSCOPES

### TECHNICAL DATA

Sensor ureterorenoscope 8.7 Fr WL 680 mm	7355071/7355076
Distal tip	Cylindrical, atraumatic, slanted distal stainless steel tip 6.6 Fr
Sheath diameter	8.7 Fr
Number of working channels	1
Working/irrigation channel diameter	3.6 Fr
Articulation	270° upward, 270° downward
Working length	680 mm
Angle of view	90°
Handle	Ergonomic handle design with axial cable outlet
Positioning of the working and irrigation channel in relation to the picture	At 6 o'clock
Endopicture	Square, 6x digital zoom; automatic white balance, light control, and focus
Compatible camera control unit	ENDOCAM Logic 4K ENDOCAM Logic HD

#### ENDOCAM LOGIC 4K – Video equipment

Product no.



##### ENDOCAM Logic 4K camera control unit bndl

consisting of:  
 ENDOCAM Logic 4K camera control unit (5525301)  
 Handheld remote control (5525401)  
 1x USB flash memory 32 GB (72321829)  
 1x HDMI/HDMI cable, lockable, 3.0 m (103847)  
 1x power cable (2440.03)

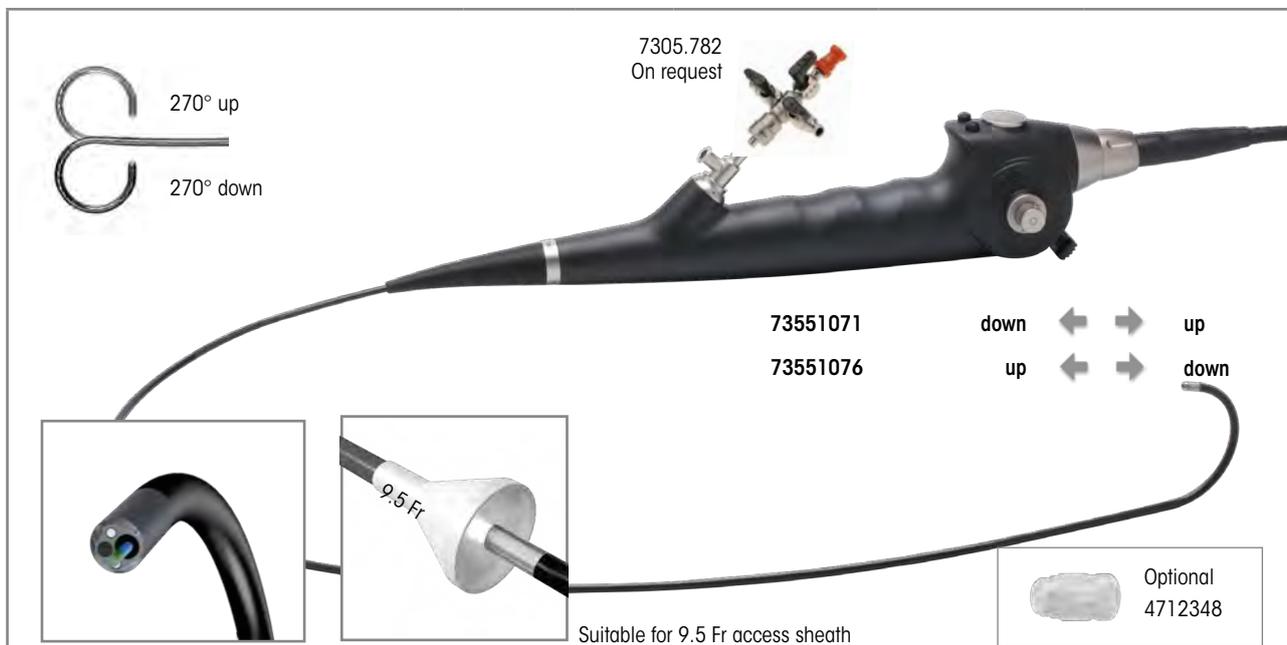
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## FLEXIBLE 1-CHANNEL SENSOR URETERORENOSCOPES

### ACCESSORIES AND AUXILIARY INSTRUMENTS

		Outer Ø	WL	Product no.
	Flex. biopsy forceps Ø 3 Fr WL 920 mm	3 Fr	920 mm	<b>829.601</b>
	Flex. grasping forceps 3 Fr WL 920 mm	3 Fr	920 mm	<b>828.651</b>
	Laser fiber Ø 365 µm, disposable	365 µm		<b>4875013650</b>
	Laser fiber Ø 550 µm, disposable	550 µm		<b>487501550</b>
	Laser fiber Ø 365 µm, reusable	365 µm		<b>875013650</b>
	Laser fiber Ø 550 µm, reusable	550 µm		<b>87501550</b>
	<b>Adapter</b> with 2 irrigation valves and 1 instrument port, quick-release mechanism			<b>7305.782</b>
	Also: <b>Luer sealing cap</b>			<b>15023205</b>
	<b>RIWO rubber cap, capacity 0.8 mm</b>			<b>88.01</b>
	<b>Universal sealing valve 1–6 Fr</b> for inserting auxiliary instruments of 1–6 Fr			<b>4712348</b>
	<b>Adapter</b> for machine leakage tests			<b>163.905</b>

## FLEXIBLE 1-CHANNEL SENSOR URETERORENOSCOPES FOR ENDOCAM Flex HD CONTROLLER



	Outer Ø	Working / irrigation channel	WL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Sensor ureterorenoscope 8.7 Fr WL 680 mm</b> Slanted distal tip Articulation +270°/-270° Direction of view 6.5°, angle of view 90°	8.7 Fr	3.6 Fr	680 mm	•		<b>73551071</b>
					•	<b>73551076</b>
<b>Sensor ureterorenoscope bndl</b> consisting of: Sensor ureterorenoscope 8.7 Fr WL 680 mm (73551071), pressure equalization valve (163.904), leakage tester for flex. endoscopes (163.903), and cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS) (7990001)				•		<b>735510712</b>
<b>Sensor ureterorenoscope bndl</b> consisting of: Sensor ureterorenoscope 8.7 Fr WL 680 mm (73551076), pressure equalization valve (163.904), leakage tester for flex. endoscopes (163.903), and cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS) (7990001)					•	<b>735510762</b>
<b>Recommended accessories</b>						<b>Product no.</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm, TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)				Ø 2.5 mm, 2.3 m long		<b>806625231</b>
<b>Perforated basket for flexible endoscopes</b>  Also: <b>fixing ring Ø 50.39 mm</b>				(W x H x D): 448 x 106 x 288 mm		<b>33016</b>
						<b>643301261</b>
for auxiliary instruments, see URO131						

## FLEXIBLE 1-CHANNEL SENSOR URETERORENOSCOPES

### TECHNICAL DATA

Sensor ureterorenoscope 8.7 Fr WL 680 mm	73551071/73551076
Distal tip	Cylindrical, atraumatic, slanted distal stainless steel tip 6.6 Fr
Sheath diameter	8.7 Fr
Number of working channels	1
Working/irrigation channel diameter	3.6 Fr
Articulation	270° upward, 270° downward
Working length	680 mm
Angle of view	90°
Handle	Integrated LED illumination, ergonomic handle design with axial camera cable
Positioning of the working and irrigation channel in relation to the picture	At 9 o'clock
Endpicture	Square, 1.5x zoom, detail enhancement, automatic white balance and brightness control, no focusing necessary
Compatible camera control unit	ENDOCAM Logic 4K ENDOCAM Logic HD

## FLEXIBLE 1-CHANNEL SENSOR URETERORENOSCOPES ACCESSORIES AND AUXILIARY INSTRUMENTS

		Outer Ø	WL	Product no.
	<b>Flex. biopsy forceps Ø 3 Fr WL 920 mm</b>	3 Fr	920 mm	<b>829.601</b>
	<b>Flex. grasping forceps 3 Fr WL 920 mm</b>	3 Fr	920 mm	<b>828.651</b>
	<b>Laser fiber Ø 365 µm, disposable</b>	200 µm		<b>487501200</b>
	<b>Laser fiber Ø 550 µm, disposable</b>	272 µm		<b>487501272</b>
	<b>Laser fiber Ø 365 µm, reusable</b>	200 µm		<b>87501200</b>
	<b>Laser fiber Ø 550 µm, reusable</b>	272 µm		<b>87501272</b>
	<b>Adapter</b> with 2 irrigation valves and 1 instrument port, quick-release mechanism			<b>7305.782</b>
	Also: <b>Luer sealing cap</b>			<b>15023205</b>
	<b>RIWO rubber cap, capacity 0.8 mm</b>			<b>88.01</b>
	<b>Universal sealing valve 1–6 Fr</b> for inserting auxiliary instruments of 1–6 Fr			<b>4712348</b>
	<b>Adapter</b> for machine leakage tests			<b>163.905</b>

**FLEXIBLE 2-CHANNEL SENSOR URETERORENOSCOPES**  
FOR ENDOCAM **Logic 4K** CONTROLLER

FLEXIBLE 2-CHANNEL SENSOR URS



	Outer Ø	Working/laser channel	WL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Sensor ureterorenoscope 9.9 Fr WL 680 mm</b> Slanted distal tip Articulation +270°/-270° Direction of view 0°, angle of view 120°	9.9 Fr	Working channel 3.6 Fr laser channel 2.4 Fr	680 mm	•		<b>7356071</b>
					•	<b>7356076</b>
<b>Sensor ureterorenoscope bndl</b> consisting of: Sensor ureterorenoscope 9.9 Fr WL 680 mm (7356071), pressure equalization valve (163.904), leakage tester for flex. endoscopes (163.903), adapter (163914), cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS) (7990001), cleaning brush Ø 0.85 mm, TL 1,200 mm (Pack = 10 PCS) (7990003), and clamping element, orange (20 pcs) (15394144)				•		<b>73560712</b>
<b>Sensor ureterorenoscope bndl</b> consisting of: Sensor ureterorenoscope 9.9 Fr WL 680 mm (7356076), pressure equalization valve (163.904), leakage tester for flex. endoscopes (163.903), adapter (163914), cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS) (7990001), cleaning brush Ø 0.85 mm, TL 1,200 mm (Pack = 10 PCS) (7990003), and clamping element, orange (20 pcs) (15394144)					•	<b>73560762</b>
<b>Recommended accessories</b>						<b>Product no.</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm, TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)					Ø 2.5 mm, 2.3 m long	<b>806625231</b>
<b>Perforated basket for flexible endoscopes</b> Also: <b>fixing ring Ø 50.39 mm</b>				(W x H x D): 448 x 106 x 288 mm		<b>33016</b>
for auxiliary instruments, see URO134						<b>643301261</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## FLEXIBLE 2-CHANNEL SENSOR URETERORENOSCOPES

### TECHNICAL DATA

Sensor ureterorenoscope 9.9 Fr WL 680 mm	7356071/7356076
Distal tip	Cylindrical, atraumatic, slanted distal stainless steel tip 5.2 Fr
Sheath diameter	9.9 Fr
Number of working channels	2
Working/irrigation channel diameter	3.6 Fr
Laser/irrigation channel diameter	2.4 Fr
Articulation	270° upward, 270° downward
Working length	680 mm
Angle of view	90°
Handle	Ergonomic handle design with axial cable outlet
Positioning of the working and irrigation channel in relation to the picture	At 6 o'clock
Positioning of the laser and irrigation channel in relation to the picture	At 9 o'clock
Endopicture	Square, 6x digital zoom; automatic white balance, light control, and focus
Compatible camera control unit	ENDOCAM Logic 4K ENDOCAM Logic HD

FLEXIBLE 2-CHANNEL SENSOR URS

2.5

ENDOCAM LOGIC 4K – Video equipment		Product no.
	<p><b>ENDOCAM Logic 4K camera control unit bndl</b> consisting of: ENDOCAM Logic 4K camera control unit (5525301) Handheld remote control (5525401) 1x USB flash memory 32 GB (72321829) 1x HDMI/HDMI cable, lockable, 3.0 m (103847) 1x power cable (2440.03)</p>	<p><b>55253011</b></p>

## FLEXIBLE 2-CHANNEL SENSOR URETERORENOSCOPES

### ACCESSORIES AND AUXILIARY INSTRUMENTS

		Outer Ø	WL	Product no.
	Flex. biopsy forceps Ø 3 Fr WL 920 mm	3 Fr	920 mm	<b>829.601</b>
	Flex. grasping forceps 3 Fr WL 920 mm	3 Fr	920 mm	<b>828.651</b>
	<b>Adapter</b> with 2 irrigation valves and 1 instrument port, quick-release mechanism			<b>7305.782</b>
	Also: <b>Luer sealing cap</b>			<b>15023205</b>
	<b>RIWO rubber cap, capacity 0.8 mm</b>			<b>88.01</b>
	<b>Universal sealing valve 1–6 Fr</b> for inserting auxiliary instruments of 1–6 Fr			<b>4712348</b>
	<b>Adapter</b> for machine leakage tests			<b>163.905</b>
	<b>Laser adjustment unit bndl</b>			<b>15369108</b>
	Also: <b>clamping element, orange (20 pcs)</b>			<b>15394144</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

**FLEXIBLE 2-CHANNEL SENSOR URETERORENOSCOPES**  
FOR ENDOCAM **Flex HD** CONTROLLER



	Outer Ø	Working/Laser channel	WL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Sensor ureterorenoscope 9.9 Fr WL 680 mm</b> Slanted distal tip Articulation +270°/-270° Direction of view 0°, angle of view 90°	9.9 Fr	Working channel 3.6 Fr Laser channel 2.4 Fr	680 mm	•		<b>73561071</b>
					•	<b>73561076</b>
<b>Sensor ureterorenoscope bndl</b> consisting of: Sensor ureterorenoscope 9.9 Fr WL 680 mm (73561071), pressure equalization valve (163.904), leakage tester for flex. endoscopes (163.903), adapter (163914), cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS) (7990001), cleaning brush Ø 0.85 mm, TL 1,200 mm (Pack = 10 PCS) (7990003), and clamping element, orange (20 pcs) (15394144)				•		<b>735610712</b>
<b>Sensor ureterorenoscope bndl</b> consisting of: Sensor ureterorenoscope 9.9 Fr WL 680 mm (73561076), pressure equalization valve (163.904), leakage tester for flex. endoscopes (163.903), adapter (163914), cleaning brush Ø 2 mm, TL 1,200 mm (Pack = 10 PCS) (7990001), cleaning brush Ø 0.85 mm, TL 1,200 mm (Pack = 10 PCS) (7990003), and clamping element, orange (20 pcs) (15394144)					•	<b>735610762</b>
<b>Recommended accessories</b>						<b>Product no.</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm, TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)				Ø 2.5 mm, 2.3 m long		<b>806625231</b>
<b>Perforated basket for flexible endoscopes</b> Also: <b>fixing ring Ø 50.39 mm</b>				(W x H x D): 448 x 106 x 288 mm		<b>33016</b>
						<b>643301261</b>
for auxiliary instruments, see URO137						

FLEXIBLE 2-CHANNEL SENSOR URS

2.5

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## FLEXIBLE 2-CHANNEL SENSOR URETERORENOSCOPES

### TECHNICAL DATA

Sensor ureterorenoscope 9.9 Fr WL 680 mm	73561071/73561076
Distal tip	Cylindrical, atraumatic, slanted distal stainless steel tip 5.2 Fr
Sheath diameter	9.9 Fr
Number of working channels	2
Working/irrigation channel diameter	3.6 Fr
Laser/irrigation channel diameter	2.4 Fr
Articulation	270° upward, 270° downward
Working length	680 mm
Angle of view	90°
Handle	Integrated LED illumination, ergonomic handle design with axial camera cable
Positioning of the working and irrigation channel in relation to the picture	At 6 o'clock
Positioning of the laser and irrigation channel in relation to the picture	At 9 o'clock
Endopicture	Square, 1.5x zoom, detail enhancement, automatic white balance and brightness control, no focusing necessary
Compatible camera control unit	ENDOCAM Logic 4K ENDOCAM Logic HD

## FLEXIBLE 2-CHANNEL SENSOR URETERORENOSCOPES

### ACCESSORIES AND AUXILIARY INSTRUMENTS

		Outer Ø	WL	Product no.
	<b>Flex. biopsy forceps Ø 3 Fr WL 920 mm</b>	3 Fr	920 mm	<b>829.601</b>
	<b>Flex. grasping forceps 3 Fr WL 920 mm</b>	3 Fr	920 mm	<b>828.651</b>
	<b>Adapter</b> with 2 irrigation valves and 1 instrument port, quick-release mechanism			<b>7305.782</b>
	Also: <b>Luer sealing cap</b>			<b>15023205</b>
	<b>RIWO rubber cap, capacity 0.8 mm</b>			<b>88.01</b>
	<b>Universal sealing valve 1–6 Fr</b> for inserting auxiliary instruments of 1–6 Fr			<b>4712348</b>
	<b>Adapter</b> for machine leakage tests			<b>163.905</b>
	<b>Laser adjustment unit bndl</b>			<b>15369108</b>
	Also: <b>clamping element, orange (20 pcs)</b>			<b>15394144</b>

# DILATORS

## FOR PERCUTANEOUS UNIVERSAL NEPHROSCOPES



8968.012 / .015

**AUTOCLAVE**  
**134° C / 273° F**

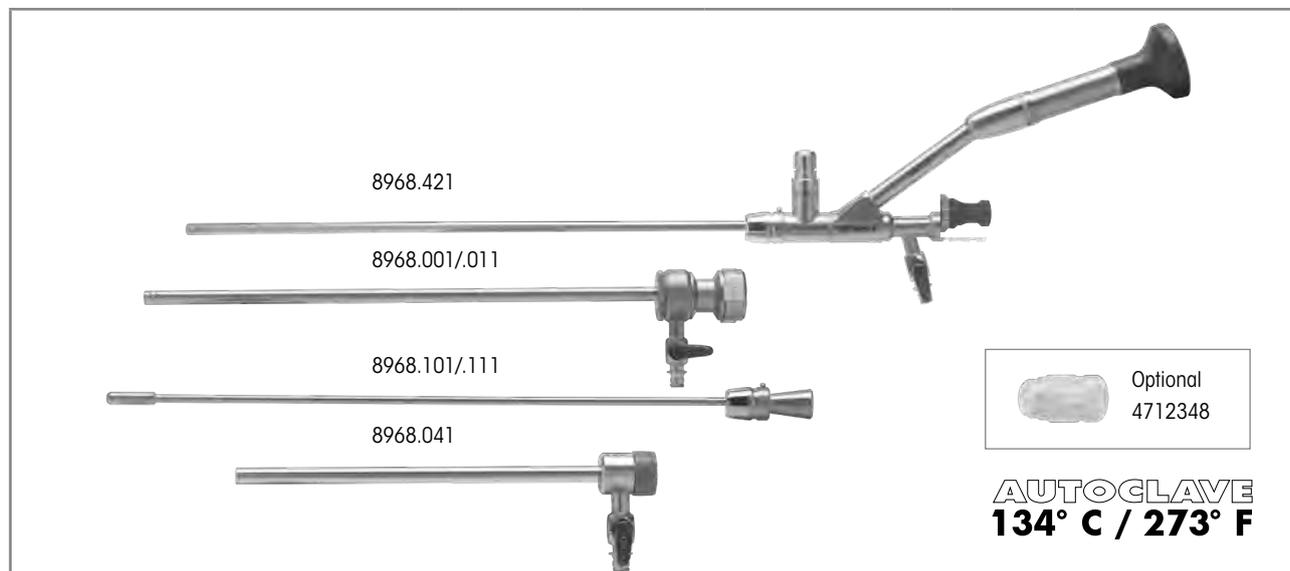
for dilatation of the puncture channel		Outer Ø	TL	Product no.
<b>Dilator 12 Fr</b>	Cannulated, for one-step bouginage	12 Fr	320 mm	<b>8968.012</b>
<b>Dilator 15 Fr</b>	Cannulated, for one-step bouginage	15 Fr	320 mm	<b>8968.015</b>
<b>Dilator 30 Fr</b>	Fits the 27 Fr dilator from 8955.27	30 Fr	230 mm	<b>8955.308</b>
<b>Dilator 9 Fr</b>	for inserting a second guide wire	9 Fr	600 mm	<b>8962.19</b>

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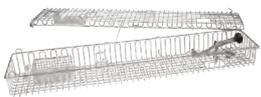
# MINI NEPHROSCOPE 15/18 Fr

BY LAHME

ALSO SUITABLE FOR CHILDREN AND ADOLESCENTS



PANOVIEW	Direction of view	Ø	Maximum capacity	WL/SL	TL	Product no.
<b>Nephroscope 12° 12 Fr WL 225 mm</b> with laterally offset eyepiece Working channel for instruments up to 6 Fr	12°	12 Fr	6 Fr (2 mm)	WL 225 mm	406 mm	<b>8968.421</b>
<b>Sheath for nephroscope 15 Fr</b>	-	15 Fr	12 Fr (4 mm)	SL 205 mm	-	<b>8968.001</b>
<b>Obturator for nephroscope 15 Fr</b>	-	-	3.5 Fr (1.2 mm)	229 mm	-	<b>8968.101</b>
<b>Sheath for nephroscope 18 Fr</b> Round, rotatable irrigation valve	-	18 Fr	15 Fr (5 mm)	SL 205 mm	-	<b>8968.011</b>
<b>Sheath for nephroscope 18 Fr</b> Round, fixed irrigation valve	-	18 Fr	15 Fr (5 mm)	SL 150 mm	-	<b>8968.041</b>
<b>Obturator for nephroscope 18 Fr</b>	-	-	3.5 Fr (1.2 mm)	WL 229 mm	-	<b>8968.111</b>

Recommended accessories		Product no.
for inserting auxiliary instruments of 1–6 Fr: <b>universal sealing valve 1–6 Fr</b> , sterile (Pack = 5 PCS)		<b>4712348</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>
<b>Perforated basket, upper urinary tract 1</b> with small part basket	 Internal dimensions (W x H x D): 619 x 65 x 124 mm External dimensions (W x H x D): 635 x 75 x 132 mm	<b>38003</b>
<b>Marking pen</b>	Color: black	<b>38201.948</b>

MINI NEPHROSCOPE BY LAHME

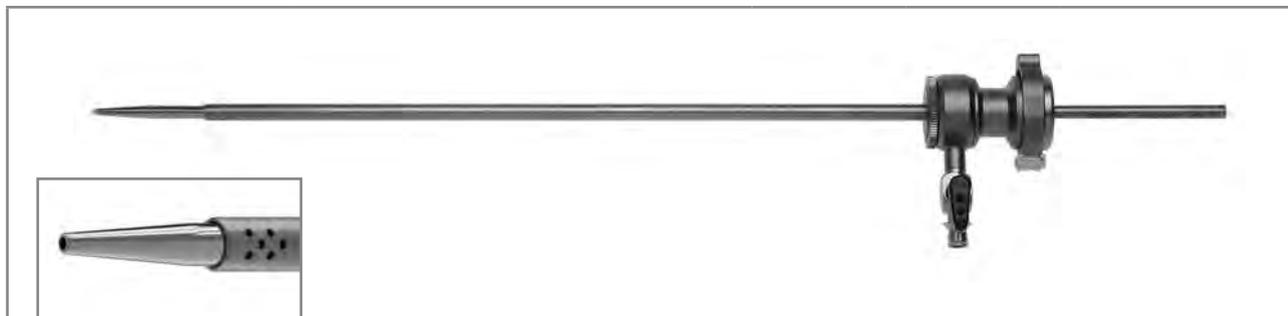
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## AUXILIARY INSTRUMENTS

FOR MINIATURE NEPHROSCOPE

15/18 Fr LAHME



"One-step" bouginage		Outer Ø	TL	Product no.
<b>Dilator 12 Fr</b>	Cannulated, for one-step bouginage	12 Fr	320 mm	<b>8968.012</b>
<b>Dilator 15 Fr</b>	Cannulated, for one-step bouginage	15 Fr	320 mm	<b>8968.015</b>

**Note:** Can also be used with telescopic dilators, of course.

Further accessories	Outer Ø	WL	Product no.
<b>Sonotrode Ø 1.9 mm WL 361 mm</b>	1.9 mm	361 mm	<b>8962.519</b>
<b>LithoClast probe Ø 2.0 mm, WL 425 mm</b>	2.0 mm	425 mm	<b>8742.004</b>
<b>Membrane holder</b>			<b>15256.393</b>
<b>Membrane holder</b>			<b>15256.456</b>
<b>Seal Ø 7.5 mm</b>	7.5 mm		<b>89.101</b>
<b>Universal sealing valve 1–6 Fr, sterile (Pack = 5 PCS)</b>			<b>4712348</b>

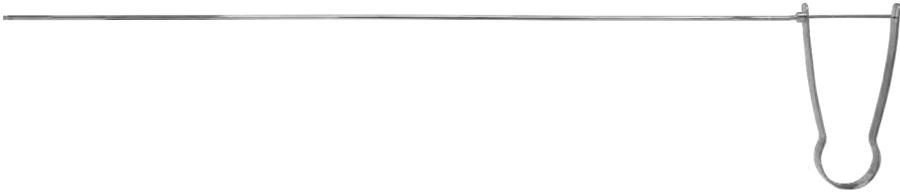
VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## AUXILIARY INSTRUMENTS

FOR MINIATURE NEPHROSCOPE

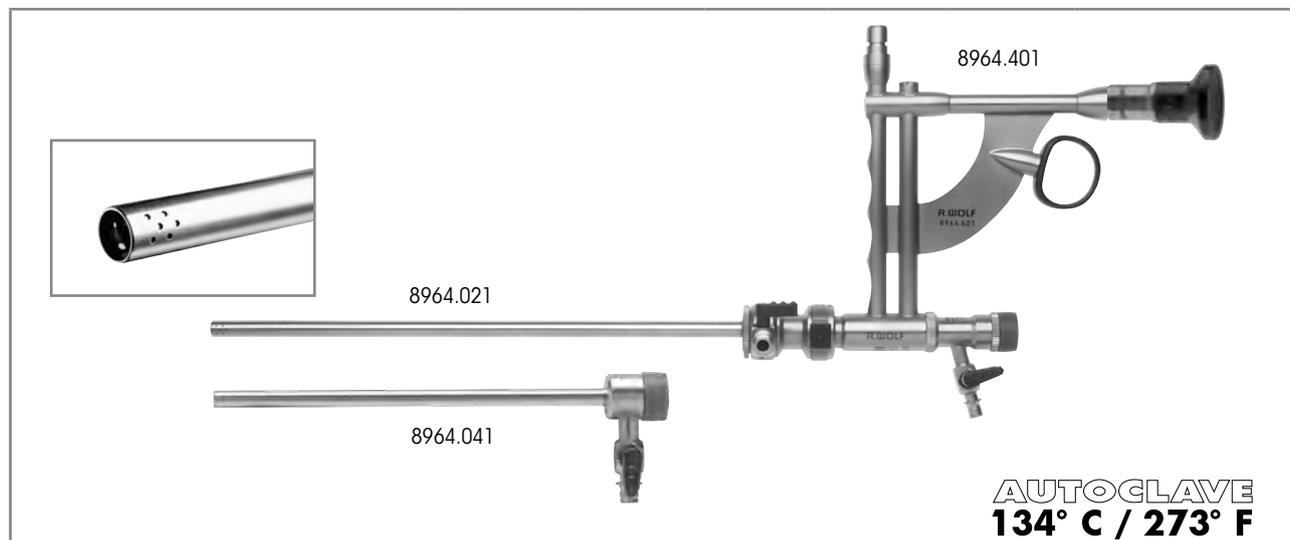
15/18 Fr LAHME

Grasping forceps jaw insert with sheath				Handle with overload protection	Complete instrument • Jaw section • Handle
  					
	Product no.	Fr	WL	8083.001	Product no.
 <p><b>Grasping forceps bndl</b> Mouse tooth</p>	8959.6218	5 Fr	425 mm	•	<b>8959.6212</b>
 <p><b>Grasping forceps bndl</b> Pike-mouth jaws</p>	8968.6808	6 Fr	425 mm	•	<b>8968.6802</b>

					
Grasping forceps		Outer Ø	WL	TL	Product no.
	<p><b>Rigid grasping forceps 6 Fr WL 365 mm</b> Three arms, detachable</p>	6 Fr	365 mm	410 mm	<b>8968.671</b>
	<p><b>Grasping forceps jaw insert 6 Fr</b> Three arms, detachable</p>	6 Fr	365 mm	-	<b>8968.675</b>

# PERCUTANEOUS UNIVERSAL NEPHROSCOPE

## "DRESDEN" MODEL



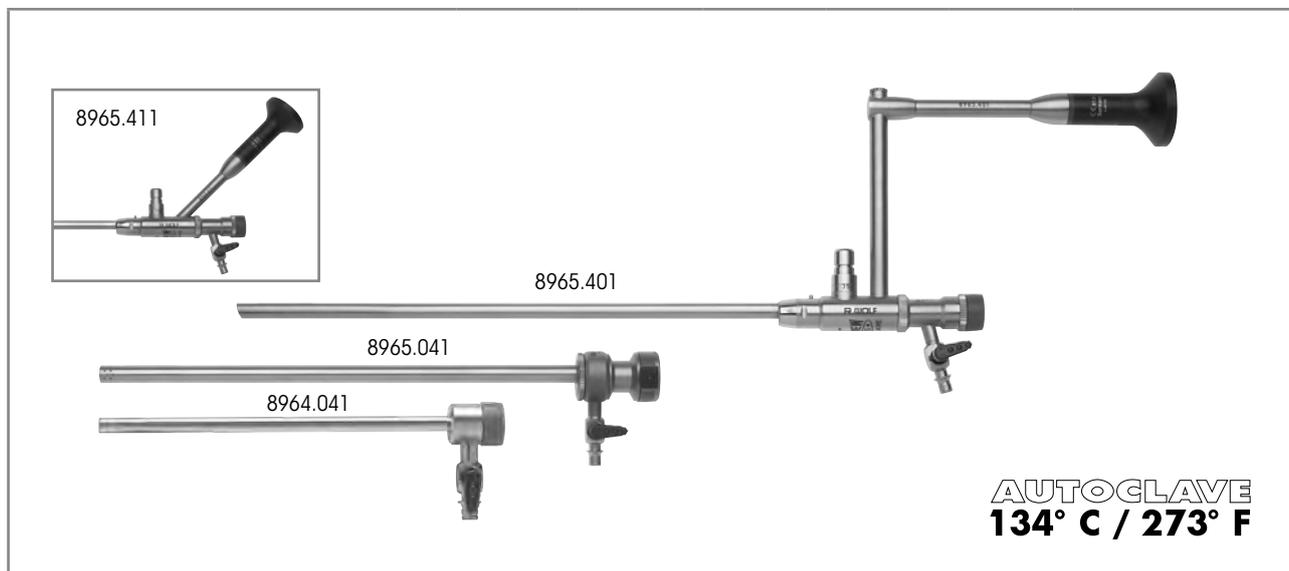
PANOVIEW	Direction of view	Ø	Maximum capacity	WL/SL	TL	Product no.
<b>Nephroscope 12° 20.8 Fr WL 224 mm</b> with parallel eyepiece working channel for instruments up to 10.5 Fr	12°	20.8 Fr	3.5 mm	WL 224 mm	387 mm	<b>8964.401</b>
<b>Sheath for nephroscope 20.8 Fr</b>	-	20.8 Fr	-	SL 204 mm	-	<b>8964.021</b>
<b>Obturator for nephroscope 20.8 Fr</b>	-	20.8 Fr	-	WL 230 mm	-	<b>8964.121</b>
Alternative:						
<b>Sheath for nephroscope 24 Fr</b>	-	24 Fr	-	SL 204 mm	-	<b>8965.041</b>
Also: <b>obturator for nephroscope 24 Fr</b>	-	24 Fr	-	WL 229 mm	-	<b>8965.141</b>
<b>Amplatz sheath for nephroscope 24.3 Fr</b>	-	24.3 Fr	-	SL 150 mm	-	<b>8964.041</b>
<b>Sealing element</b>						<b>15176.100</b>

Option of optical percutaneous ureterotomy:		Product no.
<b>Working element, urethrotome, passive 0°</b>	Receptacle for stricture scalpels	<b>8670.911</b>
<b>Telescope 0° Ø 3.3 mm WL 297 mm</b>		<b>8660.424</b>
<b>Scalpel 16.5 Fr ceramic, lancet-shaped</b>	12 o'clock cutting position, with ceramic cutter	<b>8670.981</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# PERCUTANEOUS UNIVERSAL NEPHROSCOPES

24 Fr



PANOVIEW	Direction of view	Ø	Maximum capacity	WL/SL	TL	Product no.
<b>Nephroscope 20° 24 Fr WL 224 mm</b> with parallel eyepiece working channel for instruments up to 10.5 Fr	20°	24 Fr	3.5 mm	WL 224 mm	387 mm	<b>8965.401</b>
<b>Nephroscope 20° 24 Fr WL 224 mm</b> with lateral eyepiece working channel for instruments up to 10.5 Fr	20°	24 Fr	3.5 mm	WL 224 mm	387 mm	<b>8965.411</b>
<b>Sheath for nephroscope 24 Fr</b>	-	24 Fr	-	SL 204 mm	-	<b>8965.041</b>
Also: <b>obturator for nephroscope 24 Fr</b>	-	24 Fr	-	WL 229 mm	-	<b>8965.141</b>
<b>Amplatz sheath for nephroscope 24.3 Fr</b>	-	24.3 Fr	-	SL 150 mm	-	<b>8964.041</b>
<b>Sealing element</b>						<b>15176.100</b>

Option of optical percutaneous ureterotomy:		Product no.
<b>Working element, urethrotome, passive 0°</b>	Receptacle for stricture scalpels	<b>8670.911</b>
<b>Telescope 0° Ø 4 mm WL 298 mm</b>		<b>8650.414</b>
<b>Scalpel 20.5 Fr ceramic, lancet-shaped</b>	12 o'clock cutting position, with ceramic cutter	<b>8667.981</b>

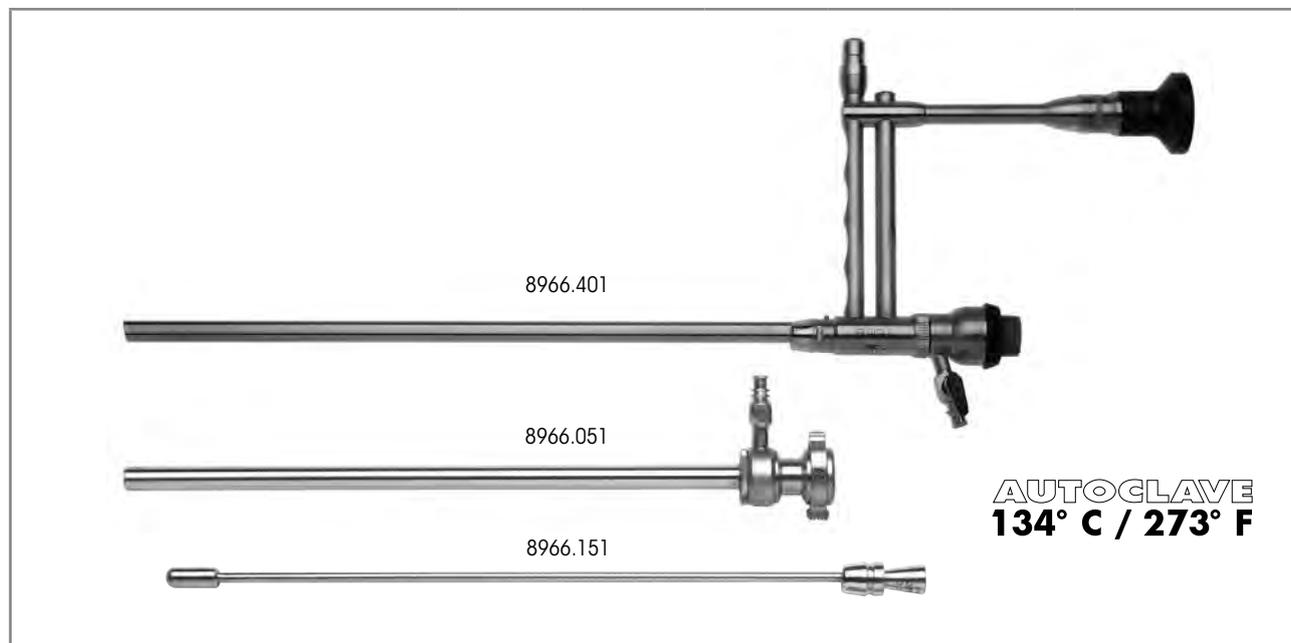
PERCUTANEOUS UNIVERSAL NEPHROSCOPES

2.10

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# PERCUTANEOUS UNIVERSAL NEPHROSCOPE

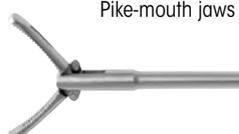
## LONG VERSION FOR OBESE PATIENTS



PANOVIEW	Direction of view	Ø	Maximum capacity	WL/SL	TL	Product no.
<b>Nephroscope bndl</b>	consisting of: Nephroscope 12° 27 Fr WL 250 mm (8966.401) Sealing membrane Ø 17 mm (89.103) Sealing cap capacity 3.4–5.1 mm (89.03) (Pack = 10 PCS) Sealing element (15176.106)					<b>89664011</b>
<b>Nephroscope 12° 27 Fr WL 250 mm</b> with parallel eyepiece	12°	24 Fr	12 Fr	WL 250 mm	401 mm	<b>8966.401</b>
<b>Sheath for nephroscope 27 Fr</b>	-	27 Fr	-	SL 230 mm	-	<b>8966.051</b>
<b>Obturator for nephroscope 27 Fr</b>	-	27 Fr	-	WL 256 mm	-	<b>8966.151</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## AUXILIARY INSTRUMENTS FOR PERCUTANEOUS UNIVERSAL NEPHROSCOPES

Grasping forceps jaw insert with sheath				Handle with overload protection	Complete instrument • Jaw section • Handle
  					
	Product no.	Fr	WL	8083.001	Product no.
 <p><b>Grasping forceps bndl</b> Pike-mouth jaws</p>	8962.6108	10.5 Fr	350 mm	•	<b>8962.6102</b>

Grasping forceps		Outer Ø	WL	TL	Product no.
	<b>Rigid grasping forceps 10,5 Fr WL 340m</b>	10,5 Ch	340 mm	440 mm	<b>8964.601</b>
	<b>Rigid grasping forceps 10.5 Fr WL 365 mm</b> Three arms, detachable	10.5 Fr	365 mm	410 mm	<b>8964.671</b>

Further accessories	Product no.
<p><b>Fiber light cable bndl</b> consisting of: Fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)</p>	<p>Ø 3.5 mm, 2.3 m long</p> <p><b>806635231</b></p>
<p><b>Perforated basket for nephroscope</b> with small part basket</p> 	<p>Internal dimensions (W x H x D): 451 x 65 x 164 mm External dimensions (W x H x D): 467 x 75 x 172 mm</p> <p><b>38011</b></p>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## RIGID AUXILIARY INSTRUMENTS

FORCEPS AND SCISSORS, SMALL MODULAR SYSTEM **HySafe**  
360° ROTATABLE, CAN BE FLUSHED THROUGH, EASY-CLICK

Grasping forceps jaw insert with sheath				Handle with overload protection	Complete instrument • Jaw section • Handle
					
	Product no.	Fr	WL	8083.001	Product no.
	<b>Grasping forceps bndl</b> Pike-mouth jaws 8962.6008	10.5 Fr	350 mm	•	<b>8962.6002</b>
	8962.6048	12 Fr	355 mm	•	<b>8962.6042</b>
	<b>Grasping forceps bndl</b> Distal angled Pike-mouth jaws 8962.6028	9 Fr	355 mm	•	<b>8962.6022</b>
	<b>Grasping forceps bndl</b> Pike-mouth jaws 8962.6108	10.5 Fr	350 mm	•	<b>8962.6102</b>
	<b>Grasping forceps bndl</b> Peanut shape, fine toothing 8962.6078	12 Fr	340 mm	•	<b>8962.6072</b>
	<b>Grasping forceps bndl</b> Mouse tooth 8962.6058	12 Fr	340 mm	•	<b>8962.6052</b>
	<b>Grasping forceps bndl</b> Pike-mouth jaws 8962.6808	6 Fr	425 mm	•	<b>8968.6802</b>

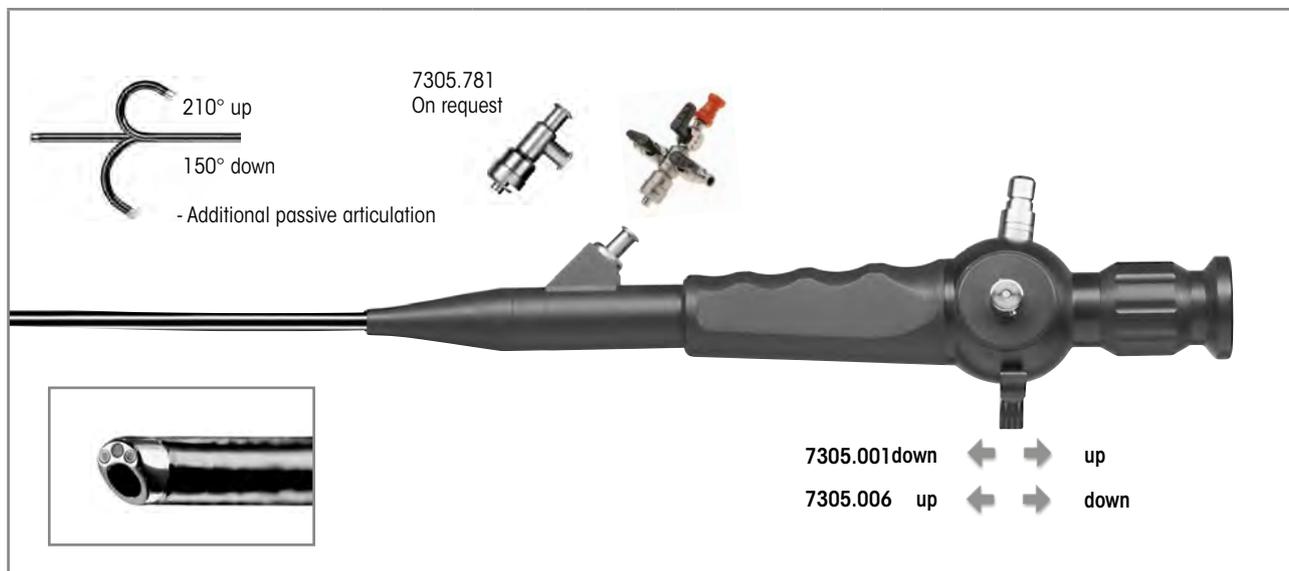
VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

PERCUTANEOUS UNIVERSAL NEPHROSCOPES

2.10

# FLEXIBLE FIBER NEPHROSCOPE 5 MM/15 Fr

## CHANNEL 2.5 MM/7.5 Fr



	Outer Ø	Working channel	WL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Fiber cystoscope 15 Fr WL 400 mm</b> Slanted distal tip Articulation +210°/-150° Direction of view 0°, angle of view 110°	15 Fr	7.5 Fr	400 mm	•		<b>7305.001</b>
				•	<b>7305.006</b>	
<b>Fiber cystoscope bndl</b> consisting of: Fiber cystoscope 15 Fr WL 400 mm (7305.001) Adapter with 2 irrigation valves and 1 instrument port (7305.782) Leakage tester for flex. endoscopes (163.903) Pressure equalization valve (163.904) Cleaning brush Ø 3 mm, TL 1,200 mm (Pack = 10 PCS) (7990002)				•		<b>730500111</b>
<b>Fiber cystoscope bndl</b> consisting of: Fiber cystoscope 15 Fr WL 400 mm (7305.006) Adapter with 2 irrigation valves and 1 instrument port (7305.782) Leakage tester for flex. endoscopes (163.903) Pressure equalization valve (163.904) Cleaning brush Ø 3 mm, TL 1,200 mm (Pack = 10 PCS) (7990002)					•	<b>730500611</b>

Recommended accessories		Product no.
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm, TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long <b>806625231</b>
<b>Perforated basket for flexible endoscopes</b> Also: <b>fixing ring Ø 50.39 mm</b>		(W x H x D): 448 x 106 x 288 mm <b>33016</b> <b>643301261</b>
<b>Flexible auxiliary instruments</b>		see section Auxiliary instruments

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# FLEXIBLE FIBER NEPHROSCOPE 5 MM/15 Fr

## TECHNICAL DATA

Fiber cystoscope 15 Fr WL 400 mm	7305.001/7305.006
Distal tip	Slanted distal tip
Sheath diameter	15 Fr
Number of working channels	1
Working/irrigation channel diameter	7.5 Fr
Articulation	210° upward, 150° downward
Working length	400 mm
Angle of view	110°
Direction of view	0°

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# MEGA Pulse 70<sup>+</sup>

70 W HOLMIUM:YAG LASER SYSTEM FOR STONE AND BPH THERAPY  
**OUTSIDE CE MARKET**



	Product no.
<p>MegaPulse 70<sup>+</sup> <b>Laser surgical device tower bndI</b> included in delivery:</p> <ul style="list-style-type: none"> <li>MegaPulse 70<sup>+</sup> laser surgical device tower 70 W (2286007)</li> <li>2x laser protection goggles (OBM003603)</li> <li>1x key set (2286525)</li> <li>1x door contact plug (2286520)</li> <li>2x blast shield with mounting (OAM001523)</li> <li>1x filling bottle with tube (IAM000088)</li> <li>1x 2-pedal footswitch (2030232)</li> <li>1x fiber-stripping forceps for stripping laser fibers, 0.3 to 1.0 mm (2286523)</li> <li>1x fiber-stripping forceps for stripping laser fibers, 0.1 to 0.4 mm (2286527)</li> <li>1x ceramic cutter with silicone pad (AGM000080)</li> <li>1x accessories box for MegaPulse (KBM000103)</li> <li>1x power cable TL 3 m (2286230)</li> </ul>	<p><b>22860070</b></p>

# MEGA Pulse 70<sup>+</sup>

## TECHNICAL DATA OUTSIDE CE MARKET

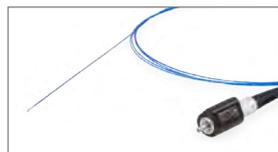
MEGA Pulse 70 <sup>+</sup>		22860070
<b>Device properties</b>		
Display	12" touchscreen	
Power	70 watts	
Laser type	Holmium:YAG laser (Ho:YAG)	
Wavelength	2100nm ± 20nm	
Operating principle	Pulsed	
Energy	200–5,000 mJ	
Pulse duration	Adjustable (50–1,100 µs)	
Pilot beam	Green: 532 nm (adjustable) < 5 mW, class3R	
Max. operating temperature	10–30 °C	
Storage temperature	Min. +5 °C, max. 40 °C	
Cooling system	Internal chiller	
<b>Power supply</b>		
Voltage	200–230 V, 50/60 Hz, 5kVA, < 32A	
Frequency	3–60 Hz	
<b>Dimensions and weights</b>		
Dimensions (W x H x D)	595 x 1202.5 x 1074 mm	
Weight (without water)	200 kg	

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# MEGA Pulse<sup>70+</sup>

LASER FIBERS

OUTSIDE CE MARKET



Sterile (Pack= 1 PC)		Core diameter						Product no.
		200 μm	200 μm	272 μm	365 μm	550 μm	800 μm	
Single use.	Power laser fiber Ø 200 μm, disposable	●						487502200
	Laser fiber Ø 200 μm, disposable		●					487501200
	Laser fiber Ø 272 μm, disposable			●				487501272
	Laser fiber Ø 365 μm, disposable				●			4875013650
	Laser fiber Ø 550 μm, disposable					●		487501550
	Laser fiber Ø 800 μm, disposable						●	487501800
	Laser fiber Ø 1,000 μm, disposable							●
Multiple use	Power laser fiber Ø 200 μm, reusable	●						87502200
	Laser fiber Ø 200 μm, reusable		●					87501200
	Laser fiber Ø 272 μm, reusable			●				87501272
	Laser fiber Ø 365 μm, reusable				●			875013650
	Laser fiber Ø 550 μm, reusable					●		87501550
	Laser fiber Ø 800 μm, reusable						●	87501800
	Laser fiber Ø 1,000 μm, reusable							●

# MEGA Pulse 70<sup>+</sup>

## ACCESSORIES OUTSIDE CE MARKET

Accessorie (included in delivery)			Product no.	Product no.
Fiber-stripping forceps	for stripping laser fibers	Ø 0.1–0.4 mm	1	2286527
		Ø 0.3–1.0 mm	1	2286523
Ceramic cutter with silicone pad			1	AGM000080
Filling bottle with tube			1	IAM000088
Laser protection goggles	(Also suitable for glasses-wearers)		2	OBM003603
2-pedal footswitch			1	2030232
Key set			1	2286525
Door contact plug			1	2286520
Blast shield with mounting			2	OAM001523
Power cable TL 3 m			1	2286230
Accessories box for MegaPulse			1	KBM000103

Optional accessories:			
Fiber-stripping forceps, autoclavable	for stripping laser fibers	Ø 200 – 272 µm	AGM000053
		Ø 365 – 400 µm	AGM000078
		Ø 550 – 600 µm	AGM000052
		Ø 800 µm	AGM000064
Ceramic cutter with silicone pad	for shortening laser fibers, autoclavable		AGM000080

Machine reprocessing		Product no.
 <b>Perforated basket for laser fiber</b>	Holds: Laser fiber, for machine reprocessing, sterilization (steam and low-temperature), storage, and transport; internal dimensions (W x H x D): 231 x 52 x 223 mm external dimensions (W x H x D): 248 x 72 x 239 mm	38001
Also:  <b>Fixing ring Ø 34.6 mm</b>	for holding instruments during machine reprocessing, sterilization (steam and low-temperature), storage, and transport, Ø 34.6 x 2.62 mm, Pack = 5 PCS	643301262

VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# MEGA Pulse 70<sup>+</sup>

70 W HOLMIUM:YAG LASER SYSTEM FOR STONE AND BPH THERAPY  
FOR CE MARKET



Product no.

**Laser surgery device tower 70 W**

included in delivery:

- 1x Fiberstripper optical fibers Ø 100-400µm (OBM001080.00)
- 1x Fiberstripper optical fibers Ø 300-1000µm (OBM001079.00)
- 1x Ceramic fiber cutter with slipcase (AGM000080.00)
- 1x Filling bottle + tubes (IAM000088.00)
- 2x Goggle protection F18.P1D09.1003 (OBM003778.00)
- 1x Pedal MKF 2 1W/1W-MED GP212 niro brace (EBM001308.01)
- 1x Key (MBQ000190.00)
- 1x Interlock conn. Medical devices binder (EAM000045.00)
- 2x Blast shield with mounting (OAM001523.00)
- 2x Water drain tube (IAM000001.00)
- 1x Power cord with 32A plug (IEC309) (EUR) (EAM001315.00)
- 1x Case salsa 1650 no brand accessories (KBM000103.01)

**PVMS00066**

"MEGA PULSE 70+" LASER

2.12

# MEGA Pulse 70<sup>+</sup>

## TECHNICAL DATA FOR CE MARKET

PVMS00066	
<b>Device properties</b>	
Display	12" touchscreen
Power	70 watts
Laser type	Holmium:YAG laser (Ho:YAG)
Wavelength	2100nm ± 20nm
Operating principle	Pulsed
Energy	200–5,000 mJ
Pulse duration	Adjustable (50–1,100 µs)
Pilot beam	Green: 532 nm (adjustable) < 5 mW, class3R
Max. operating temperature	10–30 °C
Storage temperature	Min. +5 °C, max. 40 °C
Cooling system	Internal chiller
<b>Power supply</b>	
Voltage	200–230 V, 50/60 Hz, < 32A
Frequency	3–60 Hz
<b>Dimensions and weights</b>	
Dimensions (W x H x D)	595 x 1202.5 x 1074 mm
Weight (without water)	200 kg

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

**MEGA Pulse<sup>70+</sup>**  
**LASER FIBERS**  
**FOR CE-MARKET**



		Core diameter						Product no.
		200 µm	200 µm	272 µm	365 µm	550 µm	800 µm	
Single use, sterile (Pack= 10 PC)	Single use opt. fiber performance 200 µm	●						OFC402011
	Single use optical fiber 200µm		●					OFC002011
	Single use optical fiber ball tip 272µm			●				OFC302711
	Single use optical fiber 272µm			●				OFC702711
	Single use optical fiber 365µm				●			OFC703611
	Single use optical fiber 550µm					●		OFC005511
	Single use optical fiber 800µm						●	OFC008011
	Single use optical fiber 1000µm							●
Multiple use, sterile (Pack= 1 PCS)	Reusable 10x optical fiber performance 200µm	●						OFC402013
	Reusable 10x optical fiber 200µm		●					OFC002013
	Reusable 10x optical fiber 272µm			●				OFC702713
	Reusable 10x optical fiber 365µm				●			OFC703613
	Reusable 10x optical fiber 550µm					●		OFC005513
	Reusable 10x optical fiber 800µm						●	OFC008013
	Reusable 10x optical fiber 1000µm							●

"MEGA PULSE 70+" LASER  
2.12

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# MEGA Pulse 70<sup>+</sup>

## ACCESSORIES FOR CE-MARKET

Accessorie (included in delivery)			Product no.	Product no.
Fiberstripper optical fibers Ø 100-400µm	for stripping laser fibers	Ø 0,1 - 0,4 mm	1	OBM001080.00
Fiberstripper optical fibers Ø 300-1000µm		Ø 0,3 - 1,0 mm	1	OBM001079.00
Ceramic fiber cutter with slipcase	for shortening laser fibers, autoclavable		1	AGM000080.00
Filling bottle + tubes			1	IAM000088.00
Goggle protection F18.P1D09.1003	(Also suitable for glasses-wearers)		2	OBM003778.00
Pedal MKF 2 1W/1W-MED GP212 niro brace			1	EBM001308.01
Key			1	MBQ000190.00
Interlock conn. Medical devices binder			1	EAM000045.00
Blast shield with mounting			2	OAM001523.00
Water drain tube			2	IAM000001.00
Power cord with 32A plug (IEC309) (EUR)			1	EAM001315.00
Case salsa 1650 no brand accessories			1	KBM000103.01

Optional accessories:			Product no.
Fiber stripping tool, autoclavable	for stripping laser fibers	Ø 200 – 272 µm	AGM000053
		Ø 365 – 400 µm	AGM000078
		Ø 550 – 600 µm	AGM000052
		Ø 800 µm	AGM000064
Ceramic cutter with silicone pad	for shortening laser fibers, autoclavable		AGM000080

Machine reprocessing		Product no.
 <b>Perforated basket for laser fiber</b>	Holds: Laser fiber, for machine reprocessing, sterilization (steam and low-temperature), storage, and transport; internal dimensions (W x H x D): 231 x 52 x 223 mm external dimensions (W x H x D): 248 x 72 x 239 mm	<b>38001</b>
Also:  <b>Fixing ring Ø 34.6 mm</b>	for holding instruments during machine reprocessing, sterilization (steam and low-temperature), storage, and transport, Ø 34.6 x 2.62 mm, Pack = 5 PCS	<b>643301262</b>

# MEGA Pulse 30<sup>+</sup>

30 W HOLMIUM:YAG LASER SYSTEM FOR STONE AND SOFT TISSUE THERAPY  
**FOR CE MARKET**



	Product no.
<p><b>Laser surgery device tower 30 W</b> included in delivery:</p> <ul style="list-style-type: none"> <li>1x Fiberstripper optical fibers Ø 100-400µm (OBM001080.00)</li> <li>1x Fiberstripper optical fibers Ø 300-1000µm (OBM001079.00)</li> <li>1x Ceramic fiber cutter with slipcase (AGM000080.00)</li> <li>1x Filling bottle + tubes (IAM000088.00)</li> <li>2x Goggle protection F18.P1D09.1003 (OBM003778.00)</li> <li>1x Footswitch (EBM002018.00)</li> <li>1x Key (MBQ000190.00)</li> <li>1x Interlock conn. Medical devices binder (EAM000045.00)</li> <li>1x Blast shield with mounting (OAM001523.00)</li> <li>3x Water drain tube (IAM000001.00)</li> <li>1x Case salsa 1650 no brand accessories (KBM000103.01)</li> </ul>	<p><b>PVMS00065</b></p>

"MEGA PULSE 30+" LASER

2.12

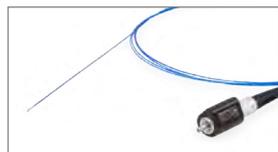
# MEGA Pulse<sup>30+</sup>

## TECHNICAL DATA FOR CE MARKET

PVMS00065	
<b>Device properties</b>	
Display	8,4 Touchscreen
Power	30 Watt
Laser type	Holmium:YAG laser (Ho:YAG)
Wavelength	2,100 nm ± 20nm
Operating principle	Pulsed
Energy	200 mJ – 4.000 mJ
Pulse duration	150-800 µs (± 20%)
Pilot beam	Green: 532 nm (adjustable) < 5 mW, class3R
Max. operating temperature	10°C – 30°C
Storage temperature	min. + 5°C, max. 40°C
Cooling system	Integrated water cooling system with water/air heat exchanger
<b>Power supply</b>	
Voltage	100 - 120 Vac; 50/60 Hz; 16A 200 - 240 Vac; 50/60 Hz; 10A
Frequency	3 Hz – 25 Hz
<b>Dimensions and weights</b>	
Dimensions (W x H x D)	260 x 920 x 840 mm
Weight (without water)	60 kg

# MEGA Pulse<sup>30+</sup>

## LASER FIBERS FOR CE-MARKET



		Core diameter						Product no.
		200 µm	272 µm	365 µm	550 µm	800 µm	1000 µm	
Single use, sterile (Pack= 10 PCS)	Single use optical fiber 200 µm	●						OFC002011
	Single use optical fiber ball tip 272µm		●					OFC302711
	Single use optical fiber 272µm		●					OFC702711
	Single use optical fiber 365µm			●				OFC703611
	Single use optical fiber 550µm				●			OFC005511
	Single use optical fiber 800µm					●		OFC008011
	Single use optical fiber 1000µm						●	OFC009911
Multiple use, sterile (Pack= 1 PCS)	Reusable 10x optical fiber 200µm	●						OFC002013
	Reusable 10x optical fiber 272µm		●					OFC702713
	Reusable 10x optical fiber 365µm			●				OFC703613
	Reusable 10x optical fiber 550µm				●			OFC005513
	Reusable 10x optical fiber 800µm					●		OFC008013
	Reusable 10x optical fiber 1000µm						●	OFC009913

# MEGA Pulse<sup>30+</sup>

## ACCESSORIES FOR CE MARKET

Accessorie (included in delivery)			Product no.	Product no.
Fiberstripper optical fibers Ø 100-400µm	for stripping laser fibers	Ø 0,1 - 0,4 mm	1	OBM001080.00
Fiberstripper optical fibers Ø 300-1000µm		Ø 0,3 - 1,0 mm	1	OBM001079.00
Ceramic fiber cutter with slipcase			1	AGM000080.00
Filling bottle + tubes			1	IAM000088.00
Goggle protection F18.P1D09.1003	(Also suitable for glasses-wearers)		2	OBM003778.00
Footswitch			1	EBM002018.00
Key			1	MBQ000190.00
Interlock conn. Medical devices binder			1	EAM000045.00
Blast shield with mounting			1	OAM001523.00
Water drain tube			3	IAM000001.00
Case salsa 1650 no brand accessories			1	KBM000103.01

Optional accessories:			Product no.
Fiber stripping tool, autoclavable	for stripping laser fibers	Ø 200 – 272 µm	AGM000053
		Ø 365 – 400 µm	AGM000078
		Ø 550 – 600 µm	AGM000052
		Ø 800 µm	AGM000064
Ceramic cutter with silicon pad	for shortening laser fibers, autoclavable		AGM000080

Machine reprocessing		Product no.
 <b>Perforated basket for laser fiber</b>	Holds: Laser fiber, for machine reprocessing, sterilization (steam and low-temperature), storage, and transport; internal dimensions (W x H x D): 231 x 52 x 223 mm external dimensions (W x H x D): 248 x 72 x 239 mm	38001
Also:  <b>Fixing ring Ø 34.6 mm</b>	for holding instruments during machine reprocessing, sterilization (steam and low-temperature), storage, and transport, Ø 34.6 x 2.62 mm, Pack = 5 PCS	643301262

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

"MEGA PULSE 30+" LASER

2.12

# Pulvis 60<sup>+</sup>

60 W THULIUM FIBER LASER (TFL)

FOR STONE THERAPY AND ENDOSCOPIC ENUCLEATION OF THE PROSTATE (EEP)



		Product no.
<p><b>Pulvis 60<sup>+</sup></b> 60 W thulium fiber laser (TFL)</p>	<p><b>PFMS00006</b></p>	

# Pulvis 60<sup>+</sup>

## 60 W THULIUM FIBER LASER (TFL) TECHNICAL DATA

Pulvis 60 <sup>+</sup>		PFMS00006	
<b>Device properties</b>			
Display	Fold-out, rotatable touchscreen display (rotates 90° to the right and 180° to the left)		
Operating temperature	15–30 °C (at a room temperature between 25 °C and 30 °C, operation is guaranteed with a maximum output power of up to 40 W)		
Storage/transport temperature	Min. +5 °C/max. 40 °C		
Atmospheric pressure	800–1,060 hPa		
Operating humidity	30–85 %, non-condensing		
Max. noise level	< 70.0 dB		
<b>Equipment</b>			
Cooling method	Air cooling system		
<b>Power supply</b>			
Mains + frequency	100–240 V AC, 50/60 Hz		
Power consumption	1,000 VA		
<b>Regulatory standards</b>			
Classification according to the Medical Devices Directive 93/42/EEC	Class IIb		
Laser classification according to IEC/EN 60825-1:2014	Class 4		
Pilot beam classification according with IEC/EN 60825-1:2014	Class 3R		
<b>Dimensions and weights</b>			
Weight	100 kg		
Dimensions (W x H x D)	470 x 1,156 x 810 mm 470 x 940 x 810 mm – display closed		

# Pulvis 60<sup>+</sup>

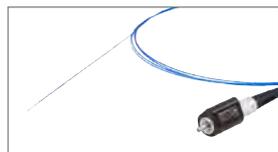
## 60 W THULIUM FIBER LASER (TFL)

### TECHNICAL DATA

Pulvis 60 <sup>+</sup> PFMS00006	
<b>Laser source specifications</b>	
Laser type	Thulium fiber-laser
Wavelength	1,940 nm ± 20 nm
Maximum output power	60 W (pulsed/CW)
Pulse energy	0.02–6 J
Operating mode	Pulsed/CW
Pulse duration	50 µs – CW
Frequency of recurrence	1–2,500 Hz
Delivery system	Large selection of laser fibers (see next page) (sterile, disposable, and reusable)
Pilot beam	Green 532 nm (adjustable) < 5 mW, class 3R
Goggles	1940 D LB4

# Pulvis 60<sup>+</sup>

## LASER FIBERS



Sterile (Pack= 10 PC)		Core diameter									Product no.
		150 µm	200 µm	272 µm	365 µm	500 µm	550 µm	600 µm	800 µm	1,000 µm	
Single use	Single use optical fiber 150 µm	●									OFJ001511
	Single use optical fiber 200 µm		●								OFJ002011
	Single use optical fiber 272 µm			●							OFJ702711
	Single use optical fiber ball tip 272 µm			●							OFJ302711
	Single use optical fiber 365 µm				●						OFJ703611
	Single use optical fiber 550 µm						●				OFJ005511
	Single use optical fiber lateral 600 µm							●			OFJ506011
	Single use optical fiber 800 µm								●		OFJ008011
	Single use optical fiber 1,000 µm									●	OFJ009911

"PULVIS 60<sup>+</sup>" LASER

2.13

# Pulvis 60<sup>+</sup>

## ACCESSORIES

Accessories	Product no.
Interlock Conn. Medical Devices Binder	EAM000045.00
Key	MBQ000190.00
Power cord-5m-spina Shuko 16A EUR	EAM001440.00
Fiberstripper optical fibers Ø300-1000 µm	OBM001079.00
Fiberstripper optical fibers Ø100-400 µm	OBM001080.00
Case salsa 1650 no brand accessories	KBM000103.01
Ceramic fiber cutter with slipcase	AGM000080.00
Goggle protection f18.P1d09.1003	OBM003778.00
Optical blast shield for ffl ext-access	OAM002112.00

Machine reprocessing	Product no.
 <p><b>Perforated basket for laser fiber</b></p>	<p>Holds: Laser fiber, for machine reprocessing, sterilization (steam and low-temperature), storage, and transport; internal dimensions (W x H x D): 231 x 52 x 223 mm external dimensions (W x H x D): 248 x 72 x 239 mm</p> <p><b>38001</b></p>
<p>Also:</p>  <p><b>Fixing ring Ø 34.6 mm</b></p>	<p>for holding instruments during machine reprocessing, sterilization (steam and low-temperature), storage, and transport, Ø 34.6 x 2.62 mm, Pack = 5 PCS</p> <p><b>643301262</b></p>

# FLUID CONTROL 2225

## SUCTION IRRIGATION PUMP

core



		Product no.
FLUID CONTROL 2225 <b>Irrigation pump for HYS/URO/LAP bndI</b> consisting of: Irrigation pump for HYS/URO/LAP (2225001) and power cable 3 m long (2440.03)		<b>22250011</b>
<b>Also:</b>		
<b>Balancing module</b> for hysteroscopy and endourology, fluid management for fluid balancing in combination with FLUID CONTROL 2225, mobile stand with integrated weighing cells and space for up to 4 irrigation fluid bags		<b>2225023</b>

**Mini PCNL or standard PCNL**

- Pressure and flow-controlled indication  
Simultaneous monitoring of nominal pressure and irrigation flow
- Integrated vacuum function  
Rapid fluid replacement for optimum viewing conditions

Accessories		Product no.
<b>Footswitch</b>	Only for use in urology and within the indication TUR/enucleation, possibility of short-term increase in pressure if visibility is poor (Flush function)	<b>2204901</b>

VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

FLUID CONTROL 2225

2.14

# FLUID CONTROL 2225

## SUCTION IRRIGATION TUBE SETS

Irrigation			Product no.
<b>Accessories – reusable</b>	<b>Tube set with piercing spike</b>	with Luer-Lock connection, autoclavable, incl. 10 spare membranes, reusable for 20 reprocessing cycles	<b>8171223</b>
<b>Accessories – disposable</b>	<b>Irrigation tube set with piercing spike, L 3 m</b>	(PACK= 10 PCS), with Luer-Lock connection, sterile, disposable product	<b>4171223</b>
	<b>Tube set with CARE-LOCK, L 3 m</b>	(PACK= 10 PCS), sterile, disposable product	<b>4171224</b>
	<b>Suction irrigation tube set</b>	(PACK= 10 PCS), with piercing spike, sterile disposable product, PVC	<b>4171225</b>

Suction			Product no.
<b>Accessories – reusable</b>	<b>Tube set for vacuum, incl. filter</b>	with integrated hygiene filter, PACK= 10 PCS, service life: 30 days (connected to irrigation pump)	<b>2206207</b>
	<b>Irrigation tube</b>	L 1.2 m, with Luer-Lock, for suction irrigation handle 8385.901 and tube set 8171223 or 8170.223	<b>817123</b>
	<b>Suction tube L 3 m</b>	for suction irrigation handle 8385.901	<b>8171402</b>
	<b>Secretion container, 2 l</b>	2 liters, without cover	<b>8170.6551</b>
	<b>Cover</b>	for secretion trap 8170.6551, reusable	<b>8170.6552</b>
<b>Accessories – disposable</b>	<b>Secretion container, 2.5 l</b>	2.5 liters	<b>41706566</b>
	<b>Secretion container bndl consisting of:</b>	Secretion container 2.5 l (41706566) and secretion bag (PACK= 90 PCS) (41706564)	<b>4170657</b>
	<b>Tube set for suction (2 connections)</b>	sterile, disposable product, (PACK= 10 PCS) for connecting instruments to collecting container	<b>T0503-01</b>
	<b>Angled 90° plug-in coupling</b>	(PACK= 10 PCS) For connecting vacuum tube 2206207 to disposable container systems	<b>0771019</b>

# FLUID CONTROL 2225

## CABLE ACCESSORIES

		Product no.
Patch cable, RJ45 SFTP, 0.5 m	Cable length 0.5 m	<b>72325378</b>
Patch cable, RJ45 HRS TM11, 1.0 m	Cable length 1.0 m	<b>72325429</b>
Patch cable, RJ45 S/FTP CAT.6 10 m	Cable length 10 m	<b>72325434</b>
Plastic caps for network socket	(Pack = 8 PCS)	<b>5592105</b>
Power cable	Cable length 3 m	<b>2440.03</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# TECHNICAL DATA

## FLUID CONTROL 2225

FLUID CONTROL 2225		2225001
<b>Device properties</b>		
Operating conditions		+10 °C to +40 °C, 30 % to 75 % rel. humidity, 70 to 106 kPa atmospheric pressure 3,000 m max. altitude above sea level
Storage and transport conditions		-20 °C to +60 °C, 10 % to 90 % rel. humidity, 70 to 106 kPa atmospheric pressure
<b>Power supply</b>		
Mains + frequency		100–240 V AC, 50/60 Hz
Power consumption	100 V/60 Hz	110 VA
	240 V/50 Hz	120 VA
Current consumption	100 V/60 Hz	1.10 A
	240 V/50 Hz	0.50 A
Fuse		T 3.15 AH, 250 V
<b>Regulatory standards</b>		
Protection class (I, II)		I
Electromagnetic compatibility (EMC)		EN 60601-1/IEC 60601-1 EN 60601-1-2/IEC 60601-1-2
Medical Devices Directive 93/42/EEC		Class IIb
Housing protection rating (IP code)		IP 21
Protection against electric shock		Type BF applied part
Degree of protection in the presence of flammable mixtures		Device is not protected against explosions (do not operate this device in explosive atmospheres)
Maximum suction vacuum		-60 kPa
<b>Dimensions and weights</b>		
Weight		8.8 kg
Dimensions (W x H x D)		300 mm x 157 mm x 436 mm
<b>Relevant application parameters</b>		
Nominal flow range		Hysteroscopy: 800 ml/min (max. flow, not adjustable) Endourology: 10–800 ml/min (max. flow) Laparoscopy: 0.1–1.8 l/min (max. flow)
Suction power		Max. 2 l/min
Starting nominal pressure range		Hysteroscopy: 15–200 mmHg Endourology: 15–90 mmHg/20–120 cmH2O Laparoscopy: 300 mmHg (not adjustable)
Pressure		0–300 mmHg
Deficit		-9,990 to +9,990 ml/0 to 99.9 l

# TECHNICAL DATA

## FLUID CONTROL 2225

<b>Balancing module</b>		<b>2225023</b>
<b>Device properties</b>		
Operating conditions	+10 °C to +40 °C, 30 % to 75 % rel. humidity, 70 to 106 kPa atmospheric pressure 3,000 m max. altitude above sea level	
Storage and transport conditions	-20 °C to +60 °C, 10 % to 90 % rel. humidity, 70 to 106 kPa atmospheric pressure	
<b>Regulatory standards</b>		
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1 EN 60601-1-2/IEC 60601-1-2	
Housing protection rating (IP code)	IP 21	
Maximum load of container scale	16 kg/4 containers of 3 l each	
Maximum load of bag scale	23 kg/4 bags of 5 l each	
<b>Dimensions and weights</b>		
Weight	15.4 kg	
Dimensions (W x H x D)	618 mm x 1,064 mm x 618 mm	

<b>Footswitch</b>		<b>2204901</b>
<b>Power supply</b>		
Power supply connection	Max. 24 V	
Power consumption	Max. 0.1 A	
<b>Regulatory standards</b>		
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1	
Housing protection rating (IP code)	IP X8	
Plug	7-pin circular connector	
Cable length	4.5 m	
<b>Dimensions and weights</b>		
Weight	300 g	
Dimensions (W x H x D)	66 mm x 27 mm x 91 mm	



## PEDIATRIC UROLOGY

## PEDIATRIC UROLOGY

- 
- 3.1 OPTICAL URETHROTOME FOR NEWBORNS AND INFANTS
- 
- 3.2 CYSTO-URETHROSCOPE 8686 FOR NEWBORNS AND INFANTS
- 
- 3.3 CYSTO-URETHROSCOPE 8672 FOR INFANTS
- 
- 3.4 MIDI-SIZE CYSTO-URETHROSCOPE FOR SMALL ANATOMIES
- 
- 3.5 CYSTOSCOPE 4.5/6.5 Fr FOR NEWBORNS AND INFANTS
- 
- 3.6 CYSTOSCOPE 8/9.8 Fr FOR REFLUX THERAPY IN INFANTS
- 
- 3.7 RESECTOSCOPES FOR NEWBORNS AND INFANTS
- 
- 3.8 MIDI-SIZE RESECTOSCOPE
- 
- 3.9 ULTRA-THIN FIBER URETERORENOSCOPE
-

*E-line*

# OPTICAL URETHROTOME

FOR TELESCOPE 1.9 MM

FOR NEWBORNS AND INFANTS



12 o'clock cutting position

**AUTOGLAVE**  
**134° C / 273° F**

Sheath for cystoscope bndl	consisting of:	Fr	Capacity in Fr	Color coding	Product no.
<b>Sheath for urethrotome 8.5 Fr with irrigation valve</b>	Sheath for urethrotome 8.5 Fr (8693.0145), obturator for urethrotome 8.5 Fr (8693.0147), tube with LUER-LOCK connector (886.00)	8.5	3	Red	<b>8693.0141</b>

Also: individual sheaths and obturators



Individual sheath and obturator	SL/WL	Color coding	Product no.	Adapter for resectoscope	Working element for urethrotome passive 0°
<b>Sheath for urethrotome 8.5 Fr</b>	SL 105 mm	Red	<b>8693.0145</b>	for diagnostics and probing <b>8688.264</b>	Receptacle for stricture scalpels <b>8693.914</b>
<b>Obturator for urethrotome 8.5 Fr</b>	WL 123 mm	Red	<b>8693.0147</b>		



PANOVIEW telescope	Direction of view	Ø	WL	TL	Product no.
<b>Telescope 0° Ø 1.9 mm WL 178 mm</b>	0°	1.9 mm	178 mm	243 mm	<b>8686.414</b>



Stricture scalpels	Cutting edge	Product no.
 Scalpel 9 Fr ceramic, semi-circular	Semi-circular	<b>8693.961</b>
 Scalpel 8.5 Fr, sickle-shaped	Sickle-shaped	<b>8693.93</b>
 Scalpel 8.5 Fr, hook-shaped	Hook-shaped	<b>8688.94</b>

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 1</b>	Internal dimensions (W x H x D): 270 x 52 x 40 mm External dimensions (W x H x D): 297 x 54 x 59 mm <b>38015</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>

*E-line*

# CYSTO-URETHROSCOPE 8686

FOR TELESCOPE 1.9 MM

FOR NEWBORNS AND INFANTS

CYSTO-URETHROSCOPE 8686

3.2



**AUTOCLAVE**  
**134° C / 273° F**

Sheath for cystoscope bndl	consisting of:	Fr	Color coding	Capacity	Product no.
Sheath for cystoscope 7.5 Fr with 2 irrigation valves	Sheath for cystoscope 7.5 Fr (8686.0145), obturator for cystoscope 7.5 Fr (8686.0147)	7.5	Blue	-	<b>8686.0141</b>
Sheath for cystoscope 8.5 Fr with 2 irrigation valves and 1 instrument port	Sheath for cystoscope 8.5 Fr (8686.0245), obturator for cystoscope 8.5 Fr (8686.0247)	8.5	Red	3 Fr	<b>8686.0241</b>
Sheath for cystoscope 9.5 Fr with 2 irrigation valves and 1 instrument port	Sheath for cystoscope 9.5 Fr (8686.0345), obturator for cystoscope 9.5 Fr (8686.0347)	9.5	Yellow	4 Fr	<b>8686.0341</b>

Also: individual sheaths and obturators



Individual sheath and obturator	SL/WL	Color coding	Product no.	Only for diagnostics (can only be used with telescope 0°)	1 instrument port
Sheath for cystoscope 7.5 Fr	SL 146 mm	Blue	<b>8686.0145</b>	•	
Obturator for cystoscope 7.5 Fr	SL 183 mm	Blue	<b>8686.0147</b>		
Sheath for cystoscope 8.5 Fr	SL 145 mm	Red	<b>8686.0245</b>		•
Obturator for cystoscope 8.5 Fr	WL 180 mm	Red	<b>8686.0247</b>		
Sheath for cystoscope 9.5 Fr	SL 145 mm	Yellow	<b>8686.0345</b>		•
Obturator for cystoscope 9.5 Fr	WL 180 mm	Yellow	<b>8686.0347</b>		

Also:



PANOVIEW telescope	Direction of view	Ø	WL	TL	Product no.
Telescope 0° Ø 1.9 mm WL 178 mm	0°	1.9 mm	178 mm	243 mm	<b>8686.414</b>
Telescope 30° Ø 1.9 mm WL 179 mm	30°	1.9 mm	179 mm	241 mm	<b>8686.415</b>

Recommended accessories	Product no.
Perforated basket for standard telescope 2	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm <b>38016</b>
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>

VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

*E-line*

# CYSTO-URETHROSCOPE 8672

FOR TELESCOPE 2.7 MM  
FOR INFANTS



**AUTOCLAVE**  
**134° C / 273° F**

Sheath for cystoscope bndl	consisting of:	Fr	Color coding	Capacity	Product no.
<b>Sheath for cystoscope 11 Fr</b> with 2 irrigation valves	Sheath for cystoscope 11 Fr (8672.0145), obturator for cystoscope 11 Fr (8672.0147), tube with LUER-LOCK connector (886.00)	11	Red	-	<b>8672.0141</b>
<b>Sheath for cystoscope 12 Fr</b> with 2 irrigation valves and 1 instrument port	Sheath for cystoscope 12 Fr (8672.0245), obturator for cystoscope 12 Fr (8686.0247), tube with LUER-LOCK connector (886.00), "RIVO" rubber cap, red-orange (15220.006)	12	Green	3 Fr	<b>8672.0241</b>
<b>Sheath for cystoscope 13 Fr</b> with 2 irrigation valves and 2 instrument ports	Sheath for cystoscope 13 Fr (8686.0345), obturator for cystoscope 13 Fr (8686.0347), tube with LUER-LOCK connector (886.00), "RIVO" rubber cap, red-orange (15220.004), "RIVO" rubber cap, red-orange (15220.006)	13	Blue	4 Fr	<b>8672.0341</b>

CYSTO-URETHROSCOPE 8672

3.3

Also: **individual sheaths and obturators**



Individual sheath and obturator	SL/WL	Color coding	Product no.	Only for diagnostics	1 instrument port	2 instrument ports
<b>Sheath for cystoscope 11 Fr</b>	SL 149 mm	Red	<b>8672.0145</b>	●		
<b>Obturator for cystoscope 11 Fr</b>	WL 184 mm	Red	<b>8672.0147</b>			
<b>Sheath for cystoscope 12 Fr</b>	SL 150 mm	Green	<b>8672.0245</b>		●	
<b>Obturator for cystoscope 12 Fr</b>	WL 184 mm	Green	<b>8672.0247</b>			
<b>Sheath for cystoscope 13 Fr</b>	SL 149 mm	Blue	<b>8672.0345</b>			●
<b>Obturator for cystoscope 13 Fr</b>	WL 184 mm	Blue	<b>8672.0347</b>			

Also:



PANOVIEW telescope	Direction of view	Ø	WL	TL	Product no.
<b>Telescope 0° Ø 2.7 mm WL 182 mm</b>	<b>0°</b>	2.7 mm	182 mm	249 mm	<b>8672.421</b>
<b>Telescope 30° Ø 2.7 mm WL 182 mm</b>	<b>30°</b>	2.7 mm	182 mm	247 mm	<b>8672.422</b>
<b>Telescope 70° Ø 2.7 mm WL 185 mm</b>	<b>70°</b>	2.7 mm	185 mm	247 mm	<b>8672.425</b>

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b>	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806625231</b>

V125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

*E-line*

# CYSTO-URETHROSCOPE 8672

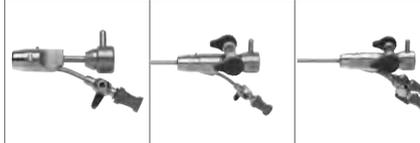
FOR TELESCOPE 2.7 MM  
FOR INFANTS



**AUTOCLAVE**  
**134° C / 273° F**

Sheath for cystoscope bndl	consisting of:	Fr	Color coding	Product no.
<b>Sheath for cystoscope 14 Fr</b> with 2 irrigation valves	Sheath for cystoscope 14 Fr (8672.0445), obturator for cystoscope 14 Fr (8672.0447), tube with LUER-LOCK connector (886.00)	14	White	<b>8672.0441</b>

Also: individual sheaths and obturators



Individual sheath and obturator	SL/WL	Color coding	Capacity in Fr	Product no.	Adapter for cystoscope	Working insert for cystoscope 0/30/70 with Albarrán lever	
						1 instrument port	2 instrument ports
<b>Sheath for cystoscope 14 Fr</b>	SL 119 mm	White	5	<b>8672.0445</b>	for urethroscopy <b>8672.264</b>	for cystoscopy <b>8672.214</b>	
			2 x 4				for cystoscopy <b>8672.224</b>
<b>Obturator for cystoscope 14 Fr</b>	WL 137 mm	White		<b>8672.0447</b>			

Also:



PANOVIEW telescope	Direction of view	Ø	WL	TL	Product no.
<b>Telescope 0° Ø 2.7 mm WL 182 mm</b>	0°	2.7 mm	182 mm	249 mm	<b>8672.421</b>
<b>Telescope 30° Ø 2.7 mm WL 182 mm</b>	30°	2.7 mm	182 mm	247 mm	<b>8672.422</b>
<b>Telescope 70° Ø 2.7 mm WL 185 mm</b>	70°	2.7 mm	185 mm	247 mm	<b>8672.425</b>

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b>	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	<b>806625231</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

E-line

# OPTICAL FORCEPS

FOR CYSTO-URETHROSCOPE 8672



for use with the 0° telescope 8672.421 in sheath 8672.0441		Suitable for sheaths from	Product no.
 <p><b>Opt. biopsy forceps, spoon-shaped</b></p>	Opening on both sides, through-cutting, for taking of biopsies	14 Fr	<b>8672.604</b>
 <p><b>Opt. grasping forceps, pike-mouth jaws</b></p>	Opening on both sides, for grasping foreign bodies	14 Fr	<b>8672.654</b>

CYSTO-URETHROSCOPE 8672  
3.3

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

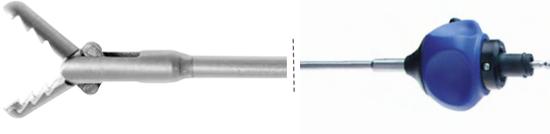
# FORCEPS AND SCISSORS

## SMALL MODULAR SYSTEM **HySafe**

### FOR CYSTO-URETHROSCOPE 8672

CYSTO-URETHROSCOPE 8672

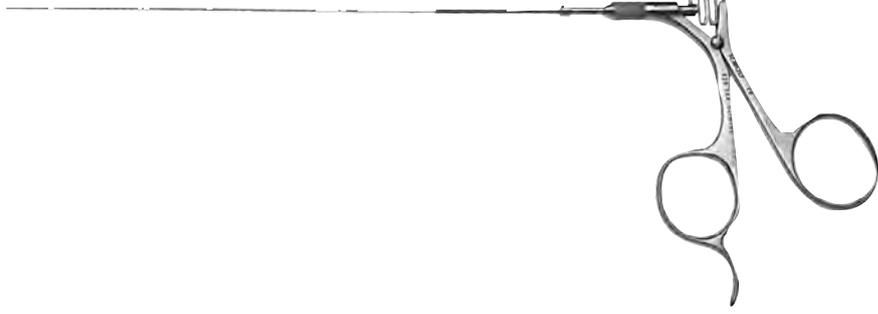
3.3

Grasping forceps jaw insert with sheath				Handle with overload protection	Complete instrument • Jaw section • Handle
	<b>Product no.</b>	<b>Fr</b>	<b>WL</b>	8083.001	<b>Product no.</b>
<b>Grasping forceps bndl</b> Distal angled with pike-mouth jaws 	8642.6508	5	340 mm	•	<b>8642.6502</b>
	8645.6508	7	325 mm	•	<b>8645.6502</b>
<b>Biopsy forceps bndl</b> - Spoon 	8642.6008	5	340 mm	•	<b>8642.6002</b>
	8645.6008	7	340 mm	•	<b>8645.6002</b>
<b>Biopsy forceps bndl</b> 	8642.6318	5	340 mm	•	<b>8642.6312</b>
<b>Scissors bndl</b> 	8642.6818	5	340 mm	•	<b>8642.6812</b>
<b>Hook scissors bndl</b> Through-cutting 	8992.6408	7	310 mm	•	<b>8992.6402</b>

- Can be flushed through – optimum internal cleaning
- Easy-Click – quick and simple assembly
- Overload protection – significantly longer service life

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## FLEXIBLE GRASPING FORCEPS FOR CYSTO-URETHROSCOPES 8672 AND 8686

				
	Fr	WL	TL	Product no.
 <b>Flex. scissors 4 Fr WL 230 mm</b> with overload protection	4	230 mm	350 mm	<b>828.244</b>

# MIDI-SIZE

## CYSTO-URETHROSCOPE

for smaller anatomies  
Rösch



**AUTOCLAVE**  
134° C / 273° F

Sheath for cystoscope bndl	consisting of:	Fr	Capacity in Fr	Color coding	Product no.
<b>Sheath for cystoscope 12.5 Fr</b> with 2 irrigation valves	Sheath for cystoscope 12.5 Fr (86720255), obturator for cystoscope 12.5 Fr (86720257), tube with LUER-LOCK connector (886.00)	12.5	5	Green	<b>86720251</b>
<b>Sheath for cystoscope 14.5 Fr</b> with 2 irrigation valves	Sheath for cystoscope 14.5 Fr (86720455), obturator for cystoscope 14.5 Fr (86720457), tube with LUER-LOCK connector (886.00)	14.5	7	Green	<b>86720451</b>

Also: individual sheaths and obturators



Individual sheath and obturator	SL/WL	Color coding	Product no.	Adapter for cystoscope TL 65 mm
<b>Sheath for cystoscope 12.5 Fr</b>	SL 193 mm	Green	<b>86720255</b>	<b>8672265</b>
<b>Obturator for cystoscope 12.5 Fr</b>	WL 211 mm	Green	<b>86720257</b>	
<b>Sheath for cystoscope 14.5 Fr</b>	SL 194 mm	White	<b>86720455</b>	
<b>Obturator for cystoscope 14.5 Fr</b>	WL 211 mm	White	<b>86720457</b>	

Also:



PANOVIEW telescope	Ø	WL	TL	Product no.
<b>Telescope 30° Ø 2.7 mm WL 267 mm</b>	2.7 mm	267 mm	331 mm	<b>8672432</b>



Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm <b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>
<b>HF connection cable</b>	see UR0103/104

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## FLEXIBLE AUXILIARY INSTRUMENTS FOR **MIDI-SIZE**

		Outer Ø	WL	TL	Product no.
	Flex. biopsy forceps 5 Fr WL 315 mm	5 Fr	315 mm	465 mm	<b>829.05</b>
	Flex. biopsy forceps 7 Fr WL 375 mm	7 Fr	375 mm	490 mm	<b>829.07</b>
	Flex. grasping forceps 5 Fr WL 315 mm	5 Fr	315 mm	465 mm	<b>828.05</b>
	Flex. grasping forceps 7 Fr WL 365 mm	7 Fr	365 mm	515 mm	<b>828.07</b>
	Flex. scissors 7 Fr WL 375 mm	7 Fr	375 mm	490 mm	<b>830.07</b>

# CYSTOSCOPE 4.5/6.5 Fr

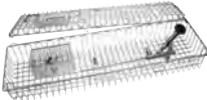
## FOR NEWBORNS AND INFANTS



Optional  
4712348

**AUTOGLAVE**  
**134° C / 273° F**

	Direction of view	Working channel	WL	Product no.
<b>Cystoscope bndl</b> consisting of: Cystoscope 5° 4.5/6.5 Fr WL 120 mm (8715.401), seal Ø 7.5 mm (Pack = 10 PCS) (89.101), membrane holder (15256.393), and "RIWO" rubber cap, red-orange (15220.005)	5°	3.3 Fr	120 mm	<b>87154012</b>
Also:				
	<b>Flex. grasping forceps 3 Fr WL 230 mm</b> Fine toothings		230 mm	<b>828.03</b>
	<b>Flex. biopsy forceps 3 Fr WL 230 mm</b>		230 mm	<b>829.03</b>
	for inserting auxiliary instruments of 1–6 Fr: <b>universal sealing valve 1–6 Fr, sterile (Pack = 5 PCS)</b>			<b>4712348</b>

Recommended accessories		Product no.
<b>Perforated basket for cystoscope/telescope</b> 	Internal dimensions (W x H x D): 451 x 65 x 124 mm External dimensions (W x H x D): 467 x 75 x 132 mm	<b>38004</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

CYSTOSCOPE 4.5/6.5 Fr

3.5

# CYSTOSCOPE 8/9.8 Fr

## FOR REFLUX THERAPY IN INFANTS



	Direction of view	Working channel	WL	Product no.
<b>Cystoscope 12° 8.0/9.8 Fr WL 150 mm</b>	12°	5 Fr	150 mm	<b>8626.531</b>
<b>Also:</b>				
	<b>Rigid grasping forceps 5 Fr WL 340 mm</b> Fine toothing, for splint removal		340 mm	<b>8626.65</b>
	<b>Coag. electrode mono 5 Fr WL 400 mm</b>		400 mm	<b>823.05</b>
	for inserting auxiliary instruments of 1–6 Fr: <b>universal sealing valve 1–6 Fr, sterile (Pack = 5 PCS)</b>			<b>4712348</b>

Recommended accessories		Product no.
	Internal dimensions (W x H x D): 451 x 65 x 124 mm External dimensions (W x H x D): 467 x 75 x 132 mm	<b>38004</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>

CYSTOSCOPE 8/9.8 Fr

**3.6**

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*E-line*

# RESECTOSCOPE

FOR TELESCOPE 1.9 MM

FOR NEWBORNS AND INFANTS



6 o'clock cutting position

**AUTOCLAVE**  
**134° C / 273° F**

Sheath for cystoscope bndl	consisting of:	Fr	Capacity in Fr	Color coding	Product no.
<b>Sheath for resectoscope 9 Fr</b> with irrigation valve	Sheath for resectoscope 9 Fr (8688.0145), obturator for resectoscope 9 Fr (8688.0147), tube with LUER-LOCK connector (886.00)	9	3	White	<b>8688.0141</b>
Also: <b>individual sheaths and obturators</b>					
					
Individual sheath and obturator	SL/WL	Color coding	Product no.	Adapter for resecto- scope	Working element, passive, mono 30°
<b>Sheath for resectoscope 9 Fr</b>	SL 106 mm	White	<b>8688.0145</b>	for diagnostics and probing	Receptacle for stricture scalpels
<b>Obturator for resectoscope 9 Fr</b>	WL 123 mm	White	<b>8688.0147</b>	<b>8688.264</b>	<b>8688.224</b>
Also: 					
PANOVIEW telescope	Direction of view	Ø	WL	TL	Product no.
Telescope 0° Ø 1.9 mm WL 178 mm	0°	1.9 mm	178 mm	243 mm	<b>8686.414</b>



Recommended accessories	Product no.
<b>Perforated basket for standard telescope 1</b>	Internal dimensions (W x H x D): 270 x 52 x 40 mm External dimensions (W x H x D): 297 x 54 x 59 mm <b>38015</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>
<b>Electrodes and scalpels</b>	<b>see URO182</b>
<b>HF connection cable</b>	<b>see URO103/104</b>

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E-line

# RESECTOSCOPE

FOR TELESCOPE 2.7 MM

FOR NEWBORNS AND INFANTS



6 o'clock cutting position

**AUTOCLAVE**  
**134° C / 273° F**

Sheath for cystoscope bndl	consisting of:			Fr	Color coding	Product no.
<b>Sheath for resectoscope 11.5 Fr</b> with irrigation valve	Sheath for resectoscope 11.5 Fr (8677.0145), obturator for resectoscope 11.5 Fr (8677.0147), tube with LUER-LOCK connector (886.00)			11.5	Yellow	<b>8677.0141</b>
Also: <b>individual sheaths and obturators</b>						
						
Individual sheath and obturator	SL/WL	Color coding	Product no.	Adapter for urethrotome/ resectoscope	Working element, active, mono 0°	
<b>Sheath for resectoscope 11.5 Fr</b>	SL 105 mm	Yellow	<b>8677.0145</b>	for diagnostics (without stopcock)	Receptacle for stricture scalpels	
<b>Obturator for resectoscope 11.5 Fr</b>	WL 124 mm	Yellow	<b>8677.0147</b>	<b>8677.254</b>	<b>8677.224</b>	
Also: 						
PANOVIEW telescope			∅	WL	TL	Product no.
<b>Telescope 0° ∅ 2.7 mm WL 182 mm</b>			2.7 mm	182 mm	249 mm	<b>8672.421</b>



RESECTOSCOPES

3.7

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 1</b>	Internal dimensions (W x H x D): 270 x 52 x 40 mm External dimensions (W x H x D): 297 x 54 x 59 mm <b>38015</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	∅ 2.5 mm, 2.3 m long <b>806625231</b>
<b>Electrodes and scalpels</b>	see URO182
<b>HF connection cable</b>	see URO103/104

## ELECTRODES AND SCALPELS

FOR RESECTOSCOPE WITH TELESCOPE 1.9 MM AND 2.7 MM

Electrodes		for resectoscope with telescope		
		Loop	1.9 mm	2.7 mm
	Cutting electrode mono 9 Fr 0°	Round	<b>8688.93</b>	
	Cutting electrode mono 11.5 Fr 0°			<b>8416.03</b>
	Coag. electrode mono 9 Fr 0°	Ball	<b>8688.91</b>	
	Coag. electrode mono 11.5 Fr 0°			<b>8416.01</b>
	Hook electrode mono 9 Fr 0°	Hook	<b>8688.95</b>	
	Hook electrode mono 11.5 Fr 0°			<b>8416.09</b>
	Coag. electrode mono 9 Fr 0° 90° angled retrograde	Ball	<b>8688.994</b>	

Scalpel, for cold cutting of urethral strictures		for resectoscope with telescope		
		Cutting edge	1.9 mm	2.7 mm
	Scalpel 9 Fr ceramic, semi-circular	Semi-circular	<b>8693.961</b>	
	Scalpel 11.5 Fr ceramic, semi-circular			<b>8677.961</b>
	Scalpel 8.5 Fr, sickle-shaped	Sickle-shaped	<b>8693.93</b>	
	Scalpel 11.5 Fr, sickle-shaped			<b>8677.93</b>
	Scalpel 8.5 Fr, hook-shaped	Hook-shaped	<b>8688.94</b>	

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# MIDI-SIZE RESECTOSCOPE



	consisting of:	Product no.
<b>Sheath for resectoscope 14.5 Fr</b> with irrigation valve	Sheath for resectoscope 14.5 Fr (86770155), obturator for resectoscope 14.5 Fr (86770157), tube with LUER-LOCK connector (886.00)	<b>86770151</b>

**Also: individual sheaths and obturators**



Individual sheath and obturator	SL/WL	Color coding	Product no.	Working element, active, mono 0°
<b>Sheath for resectoscope 14.5 Fr</b>	SL 221 mm	White	<b>86770155</b>	<b>8677.224</b>
<b>Obturator for resectoscope 14.5 Fr</b>	WL 240 mm	White	<b>86770157</b>	



PANOVIEW telescope	Ø	WL	TL	Product no.
<b>Telescope 0° Ø 2.7 mm WL 267 mm</b>	2.7 mm	267 mm	334 mm	<b>8672430</b> 

Recommended accessories	Product no.
<b>Perforated basket for standard telescope 2</b>	Internal dimensions (W x H x D): 454 x 52 x 40 mm External dimensions (W x H x D): 481 x 54 x 59 mm <b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>
<b>Container (W x H x D) 300 x 60 x 200 mm</b>	<b>33020</b>
<b>Monopolar connection cable</b>	see URO103/104

MIDI-SIZE RESECTOSCOPE

**3.8**

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## MIDI-SIZE

### AUXILIARY INSTRUMENTS FOR THE MIDI-SIZE RESECTOSCOPE

Stricture scalpels with ceramic cutter		Cutting surface	Product no.
	<b>Scalpel 14.5 Fr, lancet-shaped</b>	Lancet-shaped, cuts on both sides	<b>8677981</b>
	<b>Scalpel 14.5 Fr, sickle-shaped</b>	Sickle-shaped	<b>8677931</b>

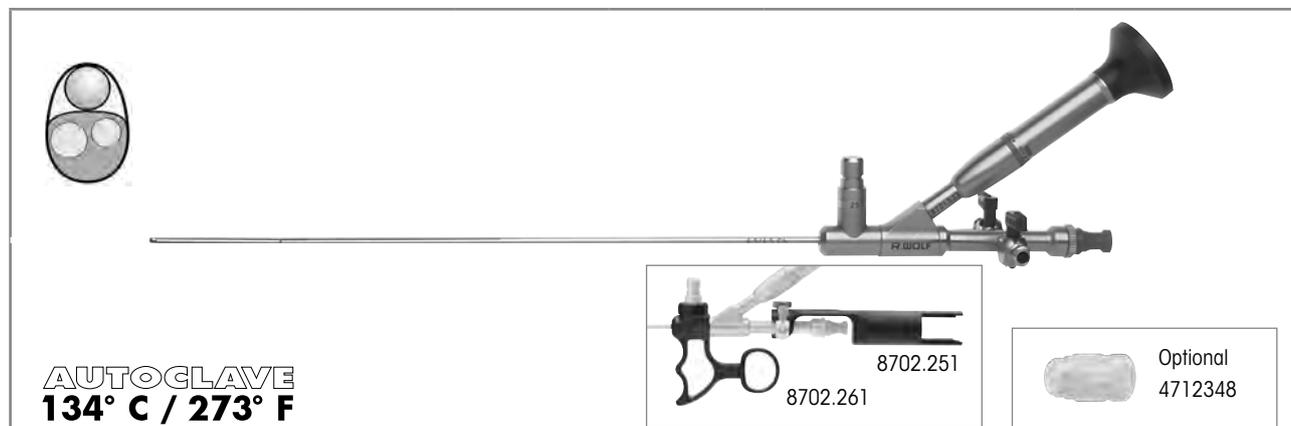
Electrodes		Electrode shape	Product no.
	<b>Coag. electrode mono 14.5 Fr 0°</b> Stem color yellow	Button	<b>8416011</b>
	<b>Cutting electrode mono 14.5 Fr 0°</b> Stem color yellow	Round loop	<b>8416031</b>
	<b>Hook electrode mono 14.5 Fr 0°</b> Stem color yellow	Hook	<b>8416091</b>

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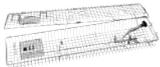
*E-line*

# ULTRA-THIN FIBER URETERORENOSCOPE

WITH LATERAL EYEPIECE



**AUTOCLAVE**  
**134° C / 273° F**

	WL	TL	Direction of view	Fr	Working channel	Product no.
<b>Ureterorenoscope 5°</b> 4.5/6.5 Fr WL 330 mm Atraumatically shaped tip	330 mm	465 mm	5°	4.5/6.5 Fr	3 Fr	<b>8701517</b>
<b>Recommended accessories</b>						<b>Product no.</b>
	Flex. grasping forceps 3 Fr WL 530 mm					<b>828.605</b>
	Flex. biopsy forceps 3 Fr WL 530 mm					<b>829.603</b>
	Laser fiber Ø 200 µm, disposable					<b>487501200</b>
	Laser fiber Ø 272 µm, disposable					<b>487501272</b>
	Laser fiber Ø 200 µm, reusable					<b>87501200</b>
	Laser fiber Ø 272 µm, reusable					<b>87501272</b>
<b>Handle for E-Line ureterorenoscopes</b>						<b>8702.261</b>
<b>Guide element for ureterorenoscope for LITHOCLAST handpieces</b>						<b>8702.251</b>
for inserting auxiliary instruments of 1–6 Fr: <b>universal sealing valve 1–6 Fr, sterile (Pack = 5 PCS)</b>						<b>4712348</b>
<b>Membrane holder standard</b>						<b>15256.393</b>
<b>Membrane holder with Luer</b>						<b>15256.456</b>
<b>Seal Ø 7.5 mm (Pack = 10 pcs)</b>						<b>89.101</b>
<b>LithoClast probe Ø 0.8 mm WL 605 mm</b>						<b>8742.001</b>
<b>Perforated basket, upper urinary tract 1</b> with small part basket			Internal dimensions (W x H x D): 619 x 65 x 124 mm External dimensions (W x H x D): 635 x 75 x 132 mm			<b>38003</b>
<b>Marking pen, black</b>						<b>38201.948</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)			Ø 2.5 mm, 2.3 m long			<b>806625231</b>
<b>Auxiliary instruments</b>						<b>see UR0197</b>

FIBER URETERORENOSCOPE

3.9

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## AUXILIARY INSTRUMENTS

## AUXILIARY INSTRUMENTS

4.1

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**BLADDER SYRINGES**

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4.2

**SEALING CAPS**

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4.3

**LUER-LOCK PARTS / STOPCOCKS AND IRRIGATION ADAPTERS /  
SEALING VALVE / ADAPTER / LASER ADJUSTMENT UNIT**

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4.4

**FORCEPS AND SCISSORS, RIGID**

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4.5

**FORCEPS AND SCISSORS, FLEXIBLE**

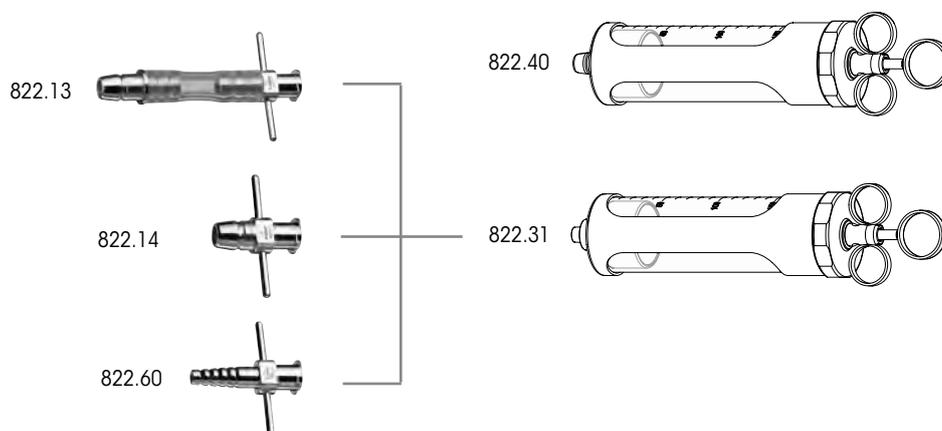
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4.6

**ELECTRODES**

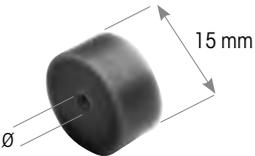
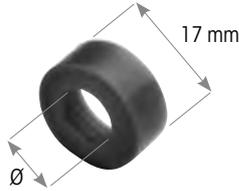
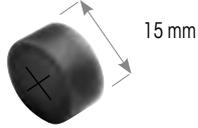
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# BLADDER SYRINGES



		Ø	ml	L/TL	Product no.
<b>Bladder syringe 150 ml Ø 54 mm</b>	for flexible and rigid adapters	54 mm	150 ml	L 248 mm	<b>822.31</b>
<b>Flexible adapter for bladder syringe</b>	Compatible with bladder syringe 822.31			TL 106 mm	<b>822.13</b>
<b>Rigid adapter for bladder syringe</b>	Compatible with instruments with cone B and bladder syringe 822.31			TL 37 mm	<b>822.14</b>
<b>Bladder syringe 150 ml Ø 54 mm</b>		54 mm	150 ml	L 248 mm	<b>822.40</b>
<b>Rigid adapter for bladder syringe</b>	Compatible with bladder syringe 822.40			TL 50 mm	<b>822.60</b>
<b>for bladder syringe 150 ml (822.31 and 822.40)</b>					
<b>Spare cylinder 150 ml</b>			150 ml		<b>82295</b>

# SEALING CAPS

Figure		Capacity Ø mm	Color	Product no.
<b>Sealing cap</b> Small, Pack = 10 PCS 	<b>Sealing cap without hole</b>	-	Red-orange	<b>89.20</b>
	<b>Sealing cap capacity &lt; 2.4 mm</b>	< 2.4	Black	<b>89.00</b>
	<b>Sealing cap capacity 2.4–3.4 mm</b>	2.4–3.4	Red	<b>89.01</b>
	<b>Sealing cap capacity 3.4–5.1 mm</b>	3.4–5.1	Blue	<b>89.02</b>
	<b>Sealing cap capacity 5.1–6.0 mm</b>	5.1–6.0	Gray	<b>89.03</b>
	<b>Sealing cap capacity 6.0–7.0 mm</b>	6.0–7.0	Brown	<b>89.04</b>
	<b>Sealing cap capacity 6.0–7.0 mm</b>	7.0–8.0	Yellow	<b>89.05</b>
	<b>Sealing cap capacity 9.5–10.1 mm</b>	9.5–10.1	Red	<b>89.08</b>
	<b>Sealing cap capacity &gt; 10.1 mm</b>	> 10.1	Blue	<b>89.09</b>
	<b>Sealing cap capacity 13.0–13.8 mm</b>	13.0–13.8	Red	<b>89.10</b>
	<b>Sealing cap capacity 4–6 mm</b>	4.0–6.0	Red	<b>89.141</b>
	<b>Sealing cap capacity 7.5–8.5 mm</b>	7.5–8.5	Blue	<b>89.161</b>
	<b>Sealing cap capacity 7.0 mm</b>	7.0	Brown	<b>89.171</b>
<b>Sealing cap with cross-shaped slot</b> 	for trocar sleeve with threaded sheath, Pack = 10 PCS	-	Red-orange	<b>89.90</b>
<b>RIWO rubber cap</b> Pack = 10 PCS 	<b>RIWO rubber cap without hole</b>	-	Red-orange	<b>88.00</b>
	<b>RIWO rubber cap capacity 0.5 mm</b>	0.5	Red	<b>88.005</b>
	<b>RIWO rubber cap capacity 0.8 mm</b>	0.8	Red-orange	<b>88.01</b>
	<b>RIWO rubber cap capacity 1.4 mm</b>	1.4	Blue	<b>88.02</b>
	<b>RIWO rubber cap capacity 2.4 mm</b>	2.4	Black	<b>88.03</b>
	<b>RIWO rubber cap capacity 4.0 mm</b>	4.0	Green	<b>88.04</b>
	<b>Rubber cap for hysteroscope</b> Extended, Pack = 1 PC	-	Red-orange	<b>18.01</b>

## LUER-LOCK PARTS / STOPCOCKS AND IRRIGATION ADAPTERS / SEALING VALVE / ADAPTER/LASER ADJUSTMENT UNIT

		Hole		Product no.
	<b>Tube with LUER-LOCK connector</b>	Ø 3 mm	Male	<b>886.00</b>
	<b>Tube with LUER-LOCK connector Ø 4 mm</b> Length 29.5 mm	Ø 4 mm	Male	<b>886.01</b>
	<b>Tube with LUER-LOCK connector Ø 3 mm</b> Length 28 mm	Ø 3 mm	Female	<b>891.00</b>
	<b>Tube with LUER-LOCK connector,</b> <b>891.011</b>	Ø 4 mm	Female	<b>15023.041</b>
	<b>Stopcock LUER-LOCK connection</b> <b>Ø 3 mm</b>	Ø 3 mm	Male	<b>884.00</b>
	<b>Stopcock LUER-LOCK connection</b> <b>Ø 4 mm</b>	Ø 4 mm	Male	<b>884.01</b>
	<b>Two-way stopcock, maintenance-free</b> with LUER-LOCK connection	Ø 3 mm	Male	<b>88350</b>
	<b>Two-way stopcock, maintenance-free</b> with LUER-LOCK connection	Ø 4 mm	Female	<b>88351</b>
	<b>Adapter</b> with 2 Luer connections, male, quick-release mechanism, TL 36 mm			<b>7305.781</b>
	<b>Adapter</b> with 2 irrigation valves and 1 instrument port, quick-release mechanism			<b>7305.782</b>
	Also: <b>Luer sealing cap</b>			<b>15023205</b>
	<b>Universal sealing valve 1–6 Fr</b> for inserting auxiliary instruments of 1–6 Fr			<b>4712348</b>
	<b>Adapter</b> for machine leakage tests			<b>163.905</b>
	<b>Laser adjustment unit bndl</b>			<b>15369108</b>
	Also: <b>clamping element, orange (20 pcs)</b>			<b>15394144</b>

# RIGID FORCEPS AND SCISSORS

SMALL MODULAR SYSTEM **HySafe**

RECOMMENDED FOR CYSTOSCOPY

Grasping forceps jaw insert with sheath				Handle with overload protection	Complete instrument
					<ul style="list-style-type: none"> <li>Jaw section</li> <li>Handle</li> </ul>
	Product no.	Fr	WL	8083.001	Product no.
<b>Grasping forceps bndI</b> Distal angled with pike-mouth jaws 	8642.6508	5	340 mm	•	<b>8642.6502</b>
	8645.6508	7	325 mm	•	<b>8645.6502</b>
<b>Biopsy forceps bndI</b> - Spoon 	8642.6008	5	340 mm	•	<b>8642.6002</b>
	8645.6008	7	340 mm	•	<b>8645.6002</b>
<b>Biopsy forceps bndI</b> 	8642.6318	5	340 mm	•	<b>8642.6312</b>
<b>Scissors bndI</b> 	8642.6818	5	340 mm	•	<b>8642.6812</b>
<b>Hook scissors bndI</b> Through-cutting 	8992.6408	7	310 mm	•	<b>8992.6402</b>

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# RIGID FORCEPS AND SCISSORS

## SMALL MODULAR SYSTEM **HySafe**

### RECOMMENDED FOR URETERORENOSCOPY

Grasping forceps jaw insert with sheath				Handle with overload protection	Complete instrument • Jaw section • Handle
	Product no.	Fr	WL	8083.001	Product no.
	8952.6008	5	550 mm	•	<b>8952.6002</b>
	8952.6118	4	550 mm	•	<b>8952.6112</b>
	8959.6218	5	425 mm	•	<b>8959.6212</b>
	8952.6218	5	550 mm	•	<b>8952.6212</b>
	8959.6808	5	425 mm	•	<b>8959.6802</b>
	8954.6808	5	550 mm	•	<b>8954.6802</b>
	8952.6508	5	550 mm	•	<b>8952.6502</b>

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# RIGID FORCEPS AND SCISSORS

SMALL MODULAR SYSTEM **HySafe**

RECOMMENDED FOR NEPHROSCOPY

Grasping forceps jaw insert with sheath				Handle with overload protection	Complete instrument • Jaw section • Handle
					
	Product no.	Fr	WL	8083.001	Product no.
<b>Grasping forceps bndl</b> Pike-mouth jaws	8962.6008	10.5 Fr	350 mm	•	<b>8962.6002</b>
	8962.6048	12 Fr	355 mm	•	<b>8962.6042</b>
<b>Grasping forceps bndl</b> Distal angled Pike-mouth jaws	8962.6028	9 Fr	355 mm	•	<b>8962.6022</b>
	8962.6108	10.5 Fr	350 mm	•	<b>8962.6102</b>
<b>Grasping forceps bndl</b> Pike-mouth jaws	8962.6078	12 Fr	340 mm	•	<b>8962.6072</b>
	8962.6058	12 Fr	340 mm	•	<b>8962.6052</b>
<b>Grasping forceps bndl</b> Peanut shape, fine toothing	8962.6808	6 Fr	425 mm	•	<b>8968.6802</b>
					
<b>Grasping forceps bndl</b> Mouse tooth					
					
<b>Grasping forceps bndl</b> Pike-mouth jaws					

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## RIGID FORCEPS AND SCISSORS RECOMMENDED FOR NEPHROSCOPY

		Area of application	Fr	WL	Product no.
 Fine toothings	<b>Rigid grasping forceps 5 Fr WL 340 mm</b>	Surgical urethro-cystoscopy for infants	5	340 mm	<b>8626.65</b>
 Serrated	<b>Biopsy forceps WL 270 mm</b>	Intrarenal stone surgery	8	270 mm	<b>8280.22</b>
	<b>Biopsy forceps WL 270 mm</b>	Intrarenal stone surgery	6	270 mm	<b>8280.23</b>
	<b>Scissors WL 230 mm</b>	Intrarenal stone surgery	8	230 mm	<b>8283.21</b>

## FLEXIBLE FORCEPS AND SCISSORS

RECOMMENDED FOR CYSTOSCOPY

		Fr	WL	TL	Product no.
	Flex. grasping forceps 3 Fr WL 230 mm	3	230 mm	380 mm	<b>828.03</b>
	Flex. grasping forceps 5 Fr WL 315 mm	5	315 mm	465 mm	<b>828.05</b>
	Flex. grasping forceps 7 Fr WL 365 mm	7	365 mm	515 mm	<b>828.07</b>
	Flex. grasping forceps 10 Fr WL 325 mm	10	325 mm	475 mm	<b>828.10</b>
	Flex. grasping forceps 5 Fr WL 550 mm	5	550 mm	720 mm	<b>828.051</b>
	Flex. biopsy forceps 3 Fr WL 230 mm	3	230 mm	380 mm	<b>829.03</b>
	Flex. biopsy forceps 5 Fr WL 315 mm	5	315 mm	465 mm	<b>829.05</b>
	Flex. biopsy forceps 7 Fr WL 375 mm	7	375 mm	490 mm	<b>829.07</b>
	Flex. biopsy forceps 10 Fr WL 325 mm	10	325 mm	475 mm	<b>829.10</b>
	Flex. biopsy forceps 5 Fr WL 550 mm	5	550 mm	720 mm	<b>829.051</b>
	Flex. scissors 7 Fr WL 375 mm	7	375 mm	490 mm	<b>830.07</b>
 Mouse tooth	Flex. grasping forceps 5 Fr WL 550 mm	5	550 mm	680 mm	<b>8735.685</b>
	Flex. grasping forceps 6.6 Fr WL 550 mm	6.6	550 mm	690 mm	<b>8736.685</b>

## FLEXIBLE FORCEPS AND SCISSORS RECOMMENDED FOR URETERORENOSCOPY

		Fr	WL	TL	Product no.
	Flex. grasping forceps 3 Fr WL 530 mm	3	530 mm	665 mm	<b>828.605</b>
	Flex. grasping forceps 5 Fr WL 550 mm	5	550 mm	720 mm	<b>828.051</b>
 Fine toothing	Flex. grasping forceps 3 Fr WL 920 mm	3	920 mm	1,050 mm	<b>828.651</b>
	Flex. biopsy forceps 5 Fr WL 550 mm	5	550 mm	720 mm	<b>829.051</b>
	Flex. biopsy forceps 3 Fr WL 530 mm	3	530 mm	665 mm	<b>829.603</b>
	Flex. biopsy forceps Ø 3 Fr WL 920 mm	3	920 mm	1,055 mm	<b>829.601</b>
	Flex. biopsy forceps 4 Fr WL 600 mm	4	600 mm	730 mm	<b>8734.606</b>
 Pike-mouth jaws	Flex. grasping forceps 4 Fr WL 600 mm	4	600 mm	750 mm	<b>8734.656</b>
 Mouse tooth	Flex. grasping forceps 4 Fr WL 600 mm	4	600 mm	750 mm	<b>8734.686</b>
	Flex. grasping forceps 5 Fr WL 550 mm	5	550 mm	700 mm	<b>8735.685</b>
 Fine toothing	Flex. grasping forceps 3.5 Fr WL 550 mm, Fine toothing	3.5	550 mm	700 mm	<b>8953.60</b>

# FLEXIBLE FORCEPS AND SCISSORS

RECOMMENDED FOR NEPHROSCOPY

		Fr	WL	TL	Product no.
	Flex. grasping forceps 3 Fr WL 530 mm	3	530 mm	665 mm	<b>828.605</b>
	Flex. grasping forceps 5 Fr WL 550 mm	5	550 mm	720 mm	<b>828.051</b>
	Flex. biopsy forceps 5 Fr WL 550 mm	5	550 mm	720 mm	<b>829.051</b>
 Mouse tooth	Flex. grasping forceps 5 Fr WL 550 mm	5	550 mm	680 mm	<b>8735.685</b>
	Flex. grasping forceps 6.6 Fr WL 550 mm	6.6	550 mm	690 mm	<b>8736.685</b>

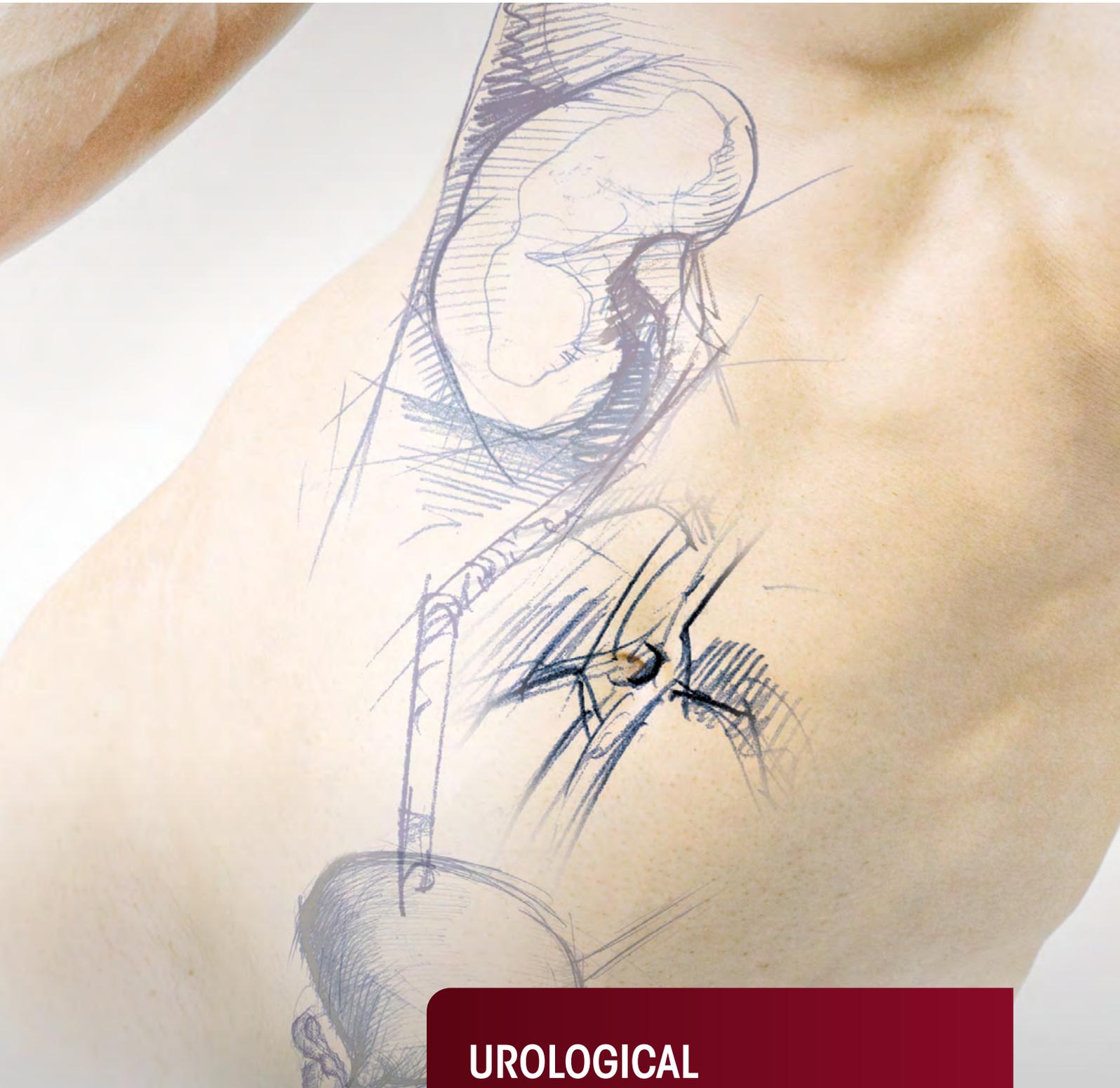
# ELECTRODES

		Area of application	Electrode shape	WL	Fr	Product no.
	Coag. electrode mono 5 Fr WL 600 mm	Rigid ureterorenoscopy	Button	600 mm	5	<b>8599.80</b>
	Coag. electrode mono 4 Fr WL 400 mm	Cystoscopy	Button	400 mm	4	<b>823.04</b>
	Coag. electrode mono 5 Fr WL 400 mm				5	<b>823.05</b>
	Coag. electrode mono 6 Fr WL 400 mm				6	<b>823.06</b>
	Coag. electrode mono 10 Fr WL 400 mm				10	<b>823.10</b>
	Coag. electrode mono 3 Fr WL 580 mm	Rigid ureterorenoscopy	Button	580 mm	3	<b>823.031</b>
	Hook electrode mono 2.4 Fr WL 600 mm	Rigid ureterorenoscopy	Hook	600 mm	2.4	<b>823.221</b>

ELECTRODES

4.6

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



**UROLOGICAL  
LAPAROSCOPY**

## UROLOGICAL LAPAROSCOPY

1

**BASIC SETS**

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**TROCAR SLEEVES/DILATION/EXTRACTION/REDUCING SLEEVES**

4

**ERAGONMODULAR GRASPING FORCEPS/DISSECTORS/BIOPSY FORCEPS/SCISSORS**

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7

**HF ELECTRODES (MONOPOLAR/BIPOLAR)**

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**MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM**

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**NEEDLE HOLDER/KNOT PUSHER/FASCIA CLOSURE**

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**DEVICES/ACCESSORIES**

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**CHOLEDOCHOSCOPY**

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**TRAINING MODELS**

## BASIC SET

### FOR ALL LAPAROSCOPIC PROCEDURES

Product	Product no.	Quantity	Catalog / Section
Insufflator 45 EVAC + HEAT bndl	<b>22350312</b>	1	Laparoscopy / 13
VERES cannula Ø 2.1 mm WL 120 mm	<b>8302.12</b>	1	Laparoscopy / 3
LAP suction irrigation pump bndl	<b>22160011</b>	1	Laparoscopy / 13
LED light source ENDOLIGHT LED 2.1 bndl	<b>51630011</b>	1	Imaging / Light sources
Fiber light cable		1	Imaging / Light cables
ENDOCAM Logic HD	<b>5525</b>	1	Imaging / ENDOCAM
Monitors		1	Imaging / Monitors
Device cart		1	Imaging / Device cart

## BASIC SET

### FOR LAPAROSCOPIC CHOLECYSTECTOMY

Product	Product no.	Quantity	Catalog / Section
Telescope 30° Ø 10 mm WL 307 mm	<b>8934.432</b>	1	Laparoscopy / 2
and/or			
Telescope 0° Ø 10 mm WL 307 mm	<b>8934.431</b>	1	Laparoscopy / 2
Fiber light cable bndl	<b>806650231</b>	1	Laparoscopy / 2
Trocar sleeve, slanted, capacity 5.5 mm WL 100 mm	<b>8921.013</b>	2-3	Laparoscopy / 3
and/or			
Trocar sleeve, straight, capacity 5.5 mm WL 102 mm	<b>8919.351</b>	2-3	Laparoscopy / 3
Trocar sleeve, slanted, capacity 10 mm WL 100 mm	<b>8923.013</b>	2	Laparoscopy / 3
Guide rod 5.5 mm TL 500 mm	<b>8923.921</b>	1	Laparoscopy / 3
Instrument sleeve 10 mm WL 170 mm	<b>8385.50</b>	1	Laparoscopy / 3
VERES cannula Ø 2.1 mm WL 120 mm	<b>8302.12</b>	1	Laparoscopy / 3
Multifunctional suction irrigation system			
Suction irrigation tube Ø 5 mm WL 310 mm	<b>8383.911</b>	1	Laparoscopy / 8
Suction irrigation handle	<b>8385.901</b>	1	Laparoscopy / 8
Sealing cap	<b>8385.902</b>	1	Laparoscopy / 8
<b>ERAGONmodular</b>			
Atraumatic grasping forceps Ø 5 mm bndl	<b>83932925</b>	1	Laparoscopy / 4
Atraumatic grasping forceps mono Ø 5 mm bndl	<b>83931817</b>	2	Laparoscopy / 4
Maryland dissector forceps mono Ø 5 mm bndl	<b>83932817</b>	1	Laparoscopy / 4
Metzenbaum scissors Ø 5 mm bndl	<b>83930417</b>	1	Laparoscopy / 4
Grasping forceps Ø 10 mm bndl	<b>83952048</b>	1	Laparoscopy / 4
Plate-shaped grasping forceps Ø 10 mm bndl	<b>83952347</b>	1	Laparoscopy / 4
<b>Hook electrode mono Ø 5 mm WL 340 mm</b>			
Clip applicator Ø 10 mm WL 340 mm	<b>8389.911</b>	1	Laparoscopy / 10
Ethicon® Ligaclips® (PACK= 108 PCS)	<b>8389.915</b>	1	Laparoscopy / 10
Needle forceps Ø 2.0 mm WL 160 mm	<b>8756.201</b>	1	Laparoscopy / 11
Sealing cone Ø 12-15 mm	<b>8943.915</b>	1	Laparoscopy / 11
Monopolar HF cable	<b>8106</b>	2	Laparoscopy / 13

## BASIC SET

### FOR LAPAROSCOPIC CHOLECYSTECTOMY

Product	Product no.	Quantity	Catalog / Section
Also on request:			
Telescope 30° Ø 5.3 mm WL 303 mm	<b>8935442</b>	1	Laparoscopy / 2
Trocar sleeve, slanted, capacity 5.5 mm WL 100 mm	<b>8921.013</b>	1	Laparoscopy / 3
Trocar tip sharp size 5.5 mm WL 169 mm	<b>8921.113</b>	1	Laparoscopy / 3
ERAGONmodular			
Atraumatic grasping forceps mono Ø 5 mm bndl	<b>83931957</b>	1	Laparoscopy / 4
Biopsy forceps mono Ø 5 mm bndl	<b>83930937</b>	1	Laparoscopy / 4
Dissector forceps Ø 10 mm bndl	<b>83952268</b>	1	Laparoscopy / 4
ERAGONbipolar			
Grasping forceps bipo Ø 5.5 mm bndl	<b>839300312</b>	1	Laparoscopy / 6

In addition to laparoscopic choledochus revision			
Grasping forceps Ø 5 mm WL 295 mm	<b>8383311</b>	1	Laparoscopy / 5

## BASIC SET

### FOR LAPAROSCOPIC APPENDECTOMY

Product	Product no.	Quantity	Catalog / Section
Telescope 30° Ø 10 mm WL 307 mm	<b>8934.432</b>	1	Laparoscopy / 2
and/or			
Telescope 0° Ø 10 mm WL 307 mm	<b>8934.431</b>	1	Laparoscopy / 2
Fiber light cable bndl	<b>806650231</b>	1	Laparoscopy / 2
Trocar sleeve, slanted, capacity 10 mm WL 100 mm	<b>8923.013</b>	2	Laparoscopy / 3
Trocar tip sharp size 10 mm	<b>8923.113</b>	2	Laparoscopy / 3
and/or			
Trocar sleeve, straight, capacity 5.5 mm WL 102 mm	<b>8919.351</b>	2-3	Laparoscopy / 3
Trocar tip sharp size 5.5 mm WL 144 mm	<b>8919.3512</b>	2-3	Laparoscopy / 3
Trocar sleeve, slanted, capacity 5.5 mm WL 100 mm	<b>8921.013</b>	2-3	Laparoscopy / 3
Trocar tip sharp size 5.5 mm WL 169 mm	<b>8921.113</b>	2-3	Laparoscopy / 3
Guide rod 5.5 mm TL 500 mm	<b>8923.921</b>	1	Laparoscopy / 3
Instrument sleeve 10 mm WL 170 mm	<b>8385.50</b>	1	Laparoscopy / 3
<b>ERAGONmodular</b>			
Grasping forceps mono Ø 5 mm bndl	<b>83932877</b>	1	Laparoscopy / 4
Atraumatic grasping forceps mono Ø 5 mm bndl	<b>83931817</b>	2	Laparoscopy / 4
Maryland dissector forceps mono Ø 5 mm bndl	<b>83932817</b>	1	Laparoscopy / 4
Metzenbaum scissors Ø 5 mm bndl	<b>83930417</b>	1	Laparoscopy / 4
Grasping and dissector forceps 5 mm	<b>83932827</b>	1	Laparoscopy / 4
<b>ERAGONbipolar</b>			
Grasping forceps bipo Ø 5.5 mm bndl	<b>839300312</b>	1	Laparoscopy / 6
<b>Multifunctional suction irrigation system</b>			
Suction irrigation tube Ø 5 mm WL 310 mm	<b>83839.11</b>	1	Laparoscopy / 8
Suction irrigation handle	<b>8385.901</b>	1	Laparoscopy / 8
Sealing cap	<b>8385.902</b>	1	Laparoscopy / 8
<b>Surgical probe Ø 5 mm WL 328 mm</b>			
Surgical probe Ø 5 mm WL 328 mm	<b>8383.66</b>	1	Laparoscopy / 12
VERES cannula Ø 2.1 mm WL 120 mm	<b>8302.12</b>	1	Laparoscopy / 3
Bipolar HF cable	<b>8108</b>	1	Laparoscopy / 13
Monopolar HF cable	<b>8106</b>	1	Laparoscopy / 13

# BASIC SET

## FOR LAPAROSCOPIC APPENDECTOMY

Product	Product no.	Quantity	Catalog / Section
Also on request:			
ERAGONmodular			
Dissector forceps mono Ø 5 mm bndl	<b>83932897</b>	1	Laparoscopy / 4
Grasping forceps mono Ø 5 mm bndl	<b>83931837</b>	2	Laparoscopy / 4
Biopsy forceps mono Ø 5 mm bndl	<b>83930917</b>	1	Laparoscopy / 4
Maryland dissector forceps Ø 10 mm bndl	<b>83952257</b>	1	Laparoscopy / 4
Clip applicator Ø 10 mm WL 340 mm	<b>8389.911</b>	1	Laparoscopy / 10
Ethicon® Ligaclips® (PACK= 108 PCS)	<b>8389.915</b>	1	Laparoscopy / 10
Introduction sleeve 10 mm WL 80 mm	<b>8389.991</b>	1	Laparoscopy / 10
Needle holder Ø 5 mm bndl	<b>8393.502</b>	1	Laparoscopy / 11

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## BASIC SET LEVD

### LAPAROSCOPIC SINGLE-CHANNEL VARICOCELE DISSECTION

Product	Product no.	Quantity	Catalog / Section
OR endoscope bndl	<b>8920.4011</b>	1	Laparoscopy / 2
Perforated basket for telescope	<b>38008</b>		Laparoscopy / 2
Fiber light cable bndl	<b>806625231</b>	1	Laparoscopy / 2
Trocar sleeve, straight, capacity 5.5 mm WL 102 mm	<b>8919.353</b>	1	Laparoscopy / 3
Optional:			
Trocar tip blunt size 5.5 mm WL 144 mm	<b>8919.3511</b>	1	Laparoscopy / 3
Trocar tip sharp size 5.5 mm WL 144 mm	<b>8919.3512</b>	1	Laparoscopy / 3
Trocar tip triangular size 5.5 mm WL 144 mm	<b>8919.3513</b>	1	Laparoscopy / 3
ERAGONmodular mini			
Universal grasping forceps Ø 3.5 mm bndl	<b>83912097</b>	1	Laparoscopy / 4
Atraumatic grasping forceps Ø 3.5 mm bndl	<b>83912087</b>	1	Laparoscopy / 4
Babcock forceps Ø 3.5 mm bndl	<b>83912107</b>	1	Laparoscopy / 4
Dissector forceps mono Ø 3.5 mm bndl	<b>83912077</b>	1	Laparoscopy / 4
Hook scissors mono Ø 3.5 mm bndl	<b>83912277</b>	1	Laparoscopy / 4
Metzenbaum scissors mono Ø 3.5 mm bndl	<b>83912247</b>	1	Laparoscopy / 4
Connection cable			
Bipolar HF cable	<b>8108</b>	1	Laparoscopy / 13
Monopolar HF cable	<b>8106</b>	1	Laparoscopy / 13

# BASIC SET

## MINI E-MILOS

Product	Product no.	Quantity	Catalog / Section
Telescope 30° Ø 10 mm WL 307 mm	<b>8934.432</b>	1	Laparoscopy / 2
Light tube for MILOS method Ø 10 mm	<b>893420</b>	1	Laparoscopy / 2
Trocar sleeve, straight, capacity 3.5 mm WL 100 mm	<b>8903.014</b>	2	Laparoscopy / 3
Trocar tip blunt size 3.5 mm WL 169 mm	<b>8903.103</b>	2	Laparoscopy / 3
<b>ERAGONmodular mini</b>			
Handle, pistol-shaped, mono	<b>83930073</b>	4	Laparoscopy / 4
Sheath tube insulated Ø 3.5 mm SL 330 mm	<b>8391933</b>	4	Laparoscopy / 4
Dissector forceps insert Ø 3.5 mm	<b>8391222</b>	1	Laparoscopy / 4
Metzenbaum scissors insert Ø 3.5 mm	<b>8391215</b>	1	Laparoscopy / 4
Grasping forceps insert Ø 3.5 mm	<b>8391208</b>	2	Laparoscopy / 4
<b>Electrode</b>			
Hook electrode mono Ø 3.5 mm WL 310 mm	<b>8379.452</b>	1	Laparoscopy / 7
<b>ERAGONstitch</b>			
Needle holder insert Ø 3.5 mm	<b>8391506</b>	1	Laparoscopy / 11
Sheath tube Ø 3.5 mm SL 330 mm	<b>8391533</b>	1	Laparoscopy / 11
Needle holder handle, axial	<b>8393943</b>	1	Laparoscopy / 11

# BASIC SET

## E-MILOS

Product	Product no.	Quantity	Catalog / Section
Telescope 30° Ø 10 mm WL 307 mm	<b>8934.432</b>	1	Laparoscopy / 2
Light tube for MILOS method Ø 10 mm	<b>893420</b>	1	Laparoscopy / 2
Trocar sleeve, straight, capacity 5.5 mm WL 100 mm	<b>8921.014</b>	2	Laparoscopy / 3
Trocar tip blunt size 5.5 mm WL 169 mm	<b>8921.103</b>	2	Laparoscopy / 3
<b>ERAGONmodular</b>			
Handle, pistol-shaped, mono	<b>83930073</b>	4	Laparoscopy / 4
Sheath tube insulated Ø 5 mm SL 330 mm	<b>8391933</b>	4	Laparoscopy / 4
Dissector forceps insert Ø 5 mm	<b>8393240</b>	1	Laparoscopy / 4
Metzenbaum scissors insert Ø 5 mm	<b>8393.041</b>	1	Laparoscopy / 4
Grasping forceps insert Ø 5 mm	<b>8393.181</b>	2	Laparoscopy / 4
<b>Electrode</b>			
Hook electrode mono Ø 5 mm WL 340 mm	<b>8383.423</b>	1	Laparoscopy / 7
<b>ERAGONstitch</b>			
Needle holder insert Ø 5 mm	<b>8393508</b>	1	Laparoscopy / 11
Sheath tube Ø 5 mm SL 330 mm	<b>8393533</b>	1	Laparoscopy / 11
Needle holder handle, axial	<b>8393943</b>	1	Laparoscopy / 11

## BASIC SET

### LAPAROSCOPIC BARIATRIC SURGERY

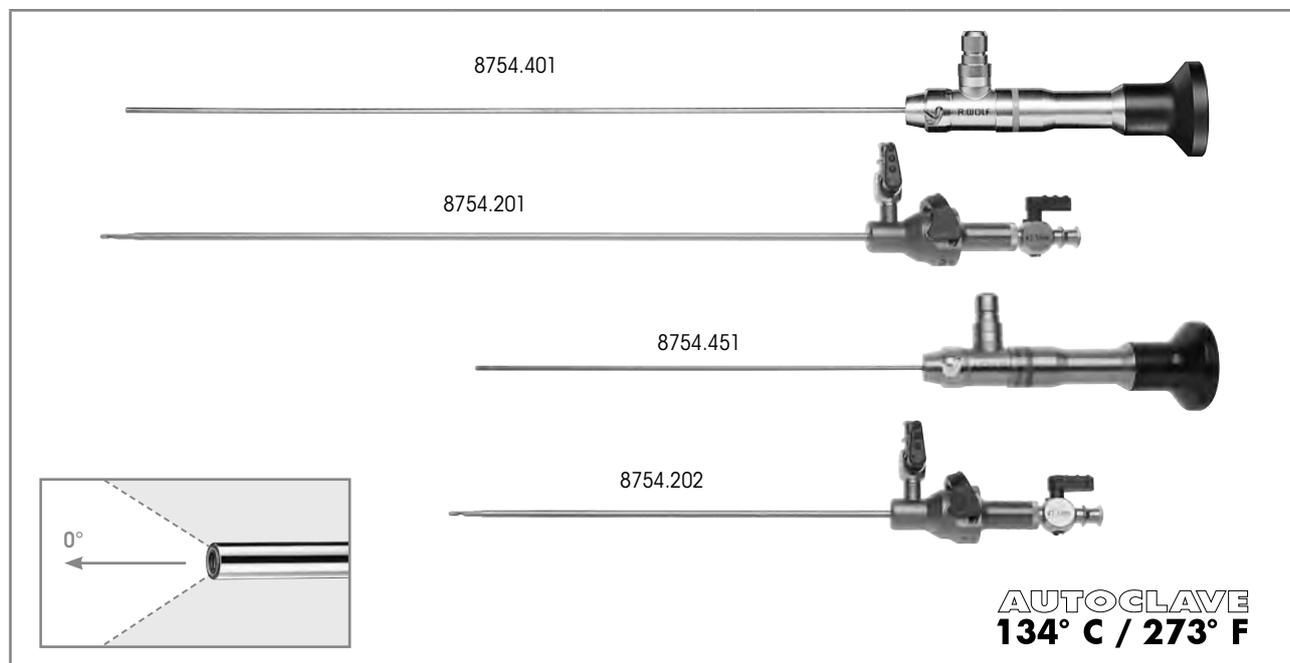
Product	Product no.	Quantity	Catalog / Section
Telescope 0° Ø 10 mm WL 305 mm	<b>8934461</b>	1	Laparoscopy / 2
Telescope 30° Ø 10 mm WL 305 mm	<b>8934462</b>	1	Laparoscopy / 2
Fiber light cable bndl	<b>806550231</b>	1	Laparoscopy / 2
Trocar sleeve, straight, capacity 5.5 mm WL 150 mm	<b>8921.016</b>	3	Laparoscopy / 3
Trocar sleeve, straight, capacity 10 mm WL 150 mm	<b>8923.016</b>	1	Laparoscopy / 3
Trocar sleeve, straight, capacity 12.5 mm WL 150 mm	<b>8924.016</b>	1	Laparoscopy / 3
<b>Optional:</b>			
Trocar tip sharp size 5.5 mm	<b>8921.115</b>	3	Laparoscopy / 3
Trocar tip sharp size 10 mm	<b>8923.115</b>	1	Laparoscopy / 3
Trocar tip sharp size 12.7 mm	<b>8924.115</b>	1	Laparoscopy / 3
Reducing adapter	<b>8923.802</b>	1	Laparoscopy / 3
<b>Multifunctional suction irrigation system</b>			
Suction irrigation tube Ø 5 mm WL 450 mm	<b>8384.911</b>	1	Laparoscopy / 8
Suction irrigation handle	<b>8385.901</b>	1	Laparoscopy / 8
Sealing cap	<b>8385.902</b>	1	Laparoscopy / 8
Suction irrigation tube set with piercing spike L 3 m	<b>4170.956</b>	1	Laparoscopy / 8
<b>ERAGONmodular</b>			
Atraumatic grasping forceps mono Ø 5 mm bndl	<b>83941817</b>	1	Laparoscopy / 4
Dissector forceps mono Ø 5 mm bndl	<b>83942407</b>	1	Laparoscopy / 4
Metzenbaum scissors mono Ø 5 mm bndl	<b>83940417</b>	1	Laparoscopy / 4
Atraumatic Grasping forceps Ø 5 mm bndl	<b>83942297</b>	1	Laparoscopy / 4
Biopsy forceps mono Ø 5 mm bndl	<b>83940917</b>	1	Laparoscopy / 4
Atraumatic Grasping forceps Ø 5 mm bndl	<b>83942507</b>	1	Laparoscopy / 4
Stapler head grasping forceps Ø 10 mm bndl	<b>83976558</b>	1	Laparoscopy / 4
Plate-shaped grasping forceps Ø 10 mm bndl	<b>83962347</b>	1	Laparoscopy / 4
Babcock forceps Ø 10 mm bndl	<b>83961877</b>	1	Laparoscopy / 4
<b>ERAGONbipolar</b>			
Maryland dissector bipo Ø 5.5 mm bndl	<b>839400322</b>	1	Laparoscopy / 6
Metzenbaum scissors bipo Ø 5.5 mm bndl	<b>839400412</b>	1	Laparoscopy / 6
<b>Electrode</b>			
Hook electrode mono Ø 5 mm WL 420 mm	<b>8384.423</b>	1	Laparoscopy / 7

## BASIC SET

### LAPAROSCOPIC BARIATRIC SURGERY

Product	Product no.	Quantity	Catalog / Section
Clip applicator Ø 10 mm WL 340 mm	<b>8389.911</b>	1	Laparoscopy / 10
Ethicon® Ligaclips® (PACK= 108 PCS)	<b>8389.915</b>	1	Laparoscopy / 10
Needle holder Ø 5 mm bndl with carbide insert	<b>8394.502</b>	1	Laparoscopy / 11
Needle holder Ø 5 mm bndl curved to the right with carbide insert	<b>8394.511</b>	1	Laparoscopy / 11
Needle forceps Ø 2.0 mm WL 160 mm	<b>8756.201</b>	1	Laparoscopy / 11
Sealing cone Ø 12–15 mm	<b>8943.915</b>	1	Laparoscopy / 11
Sealing cone Ø 10–12 mm	<b>8934.915</b>	1	Laparoscopy / 11
VERES cannula Ø 2.1 mm WL 120 mm	<b>8302.12</b>	1	Laparoscopy / 3
Handle, axial, mono	<b>83930084</b>	1	Laparoscopy / 4
Rotatable knob	<b>8988</b>	1	Laparoscopy / 4
Connection cable			
Mono HF connection cable L 3 m	<b>8106.033</b>	1	Laparoscopy / 13
Bipo HF connection cable L 3 m	<b>8108.132</b>	1	Laparoscopy / 13

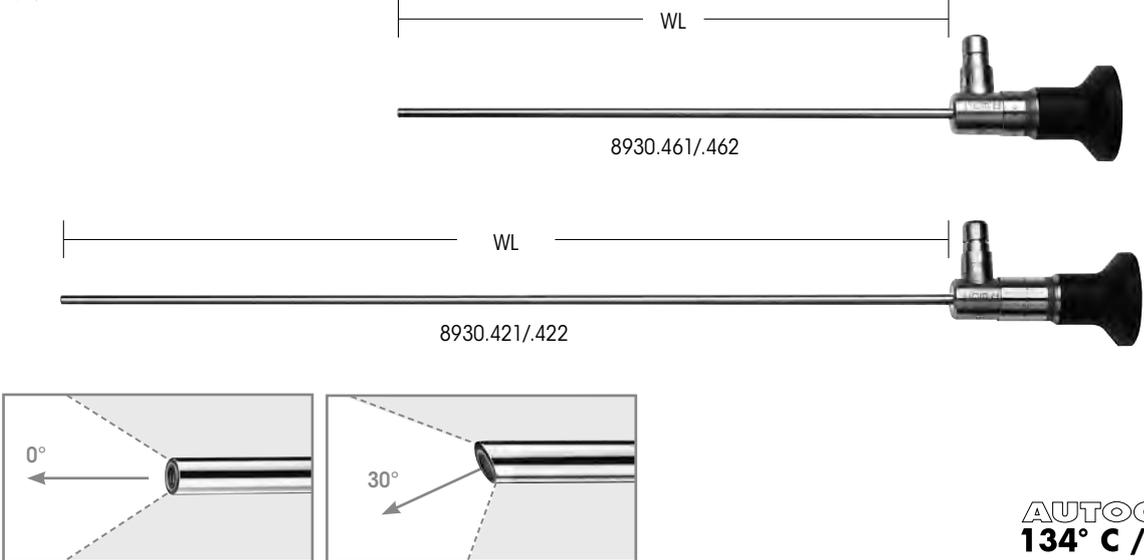
## MINI FIBER TELESCOPES 2.0 MM



Long version	Direction of view	WL	TL	Ø	Product no.
Telescope 0° Ø 2 mm WL 268 mm	0°	268 mm	365 mm	2.0 mm	<b>8754.401</b>
<b>for this:</b>					
<b>VERES cannula Ø 2.3 mm WL 250 mm</b> consisting of: 1x VERES cannula Ø 2.3 mm WL 274 mm (8754.211) 1x outer sheath Ø 2.8 mm, WL 250 mm (8754.221)		250 mm		2.3 mm	<b>8754.201</b>
Short version	Direction of view	WL	TL	Ø	Product no.
Telescope 0° Ø 2 mm WL 158 mm	0°	158 mm	255 mm	2.0 mm	<b>8754.451</b>
<b>for this:</b>					
<b>VERES cannula Ø 2.3 mm WL 170 mm</b> consisting of: 1x VERES cannula Ø 2.3 mm WL 164 mm (8754.212) 1x outer sheath Ø 2.8 mm WL 141 mm (8754.222)		170 mm		2.3 mm	<b>8754.202</b>
Recommended accessories					Product no.
Perforated basket for standard telescope 1 (for telescope 8754.451)		(W x H x D) 297 x 54 x 59 mm			<b>38015</b>
Perforated basket for standard telescope 2 (for telescope 8754.401)		(W x H x D) 481 x 54 x 59 mm			<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 2.5 mm, 2.3 m long			<b>806625231</b>

# LAPAROSCOPES 3.5 MM

# free of distortion



**AUTOCLAVE**  
**134° C / 273° F**

	Direction of view	WL	TL	Ø	Product no.
PANOVIEW PLUS Telescope 0° 3.5 mm WL 180 mm	0°	180 mm	232 mm	3.5 mm	<b>8930.461</b>
PANOVIEW PLUS Telescope 30° 3.5 mm WL 180 mm	30°		233 mm		<b>8930.462</b>
PANOVIEW PLUS Telescope 0° Ø 3.5 mm WL 300 mm	0°	300 mm	361 mm		<b>8930.421</b>
PANOVIEW PLUS Telescope 30° 3.5 mm WL 300 mm	30°		362 mm		<b>8930.422</b>

Recommended accessories		Product no.
<b>Perforated basket for standard telescope 1</b> (for telescope 8930.461/.462)	(W x H x D) 297 x 54 x 59 mm	<b>38015</b>
<b>Perforated basket for standard telescope 2</b> (for telescope 8930.421/.422)	(W x H x D) 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	<b>806625231</b>

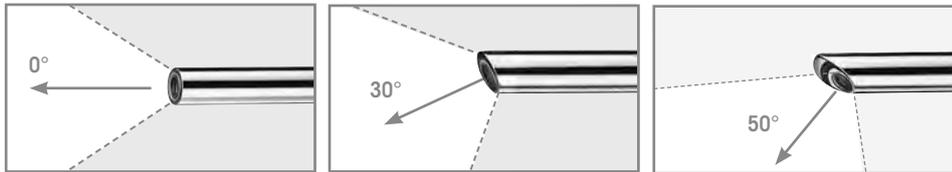
VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# LAPAROSCOPES 5.3 MM

 free of distortion

full screen

**HD**  
High Definition



**AUTOCLAVE**  
**134° C / 273° F**

	Direction of view	WL	TL	Ø	Product no.
PANOVIEW Telescope 0° Ø 5.3 mm WL 303 mm	0°	303 mm	372 mm	5.3 mm	<b>8935.441</b>
PANOVIEW Telescope 30° Ø 5.3 mm WL 303 mm	30°		373 mm		<b>8935.442</b>
PANOVIEW Telescope 50° Ø 5.3 mm WL 309 mm	50°	309 mm	377 mm		<b>8935.443</b>

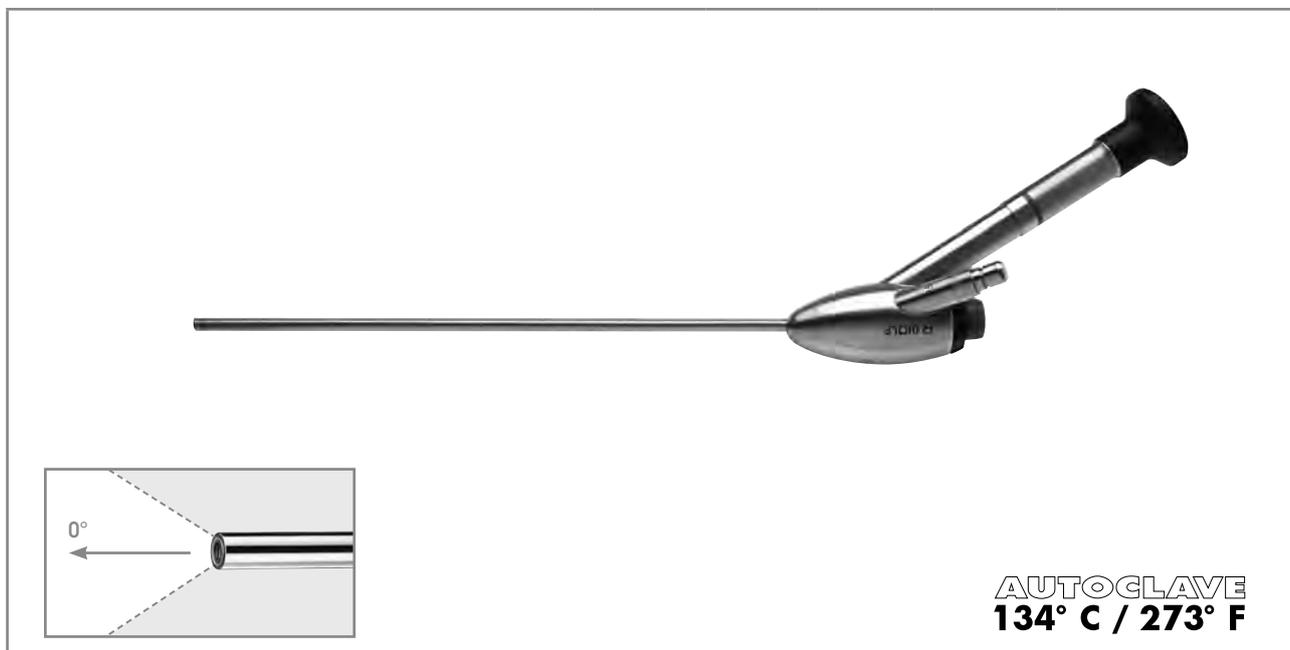
Recommended accessories		Product no.
<b>Perforated basket for standard telescope 2</b>	(W x H x D) 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 3.5 mm, 2.3 m long	<b>806635231</b>

VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

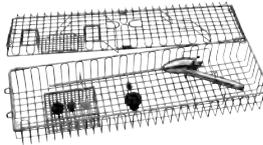
## MINI OR LAPAROSCOPE 5.5 MM WITH 3.5 MM WORKING CHANNEL

TELESOPES

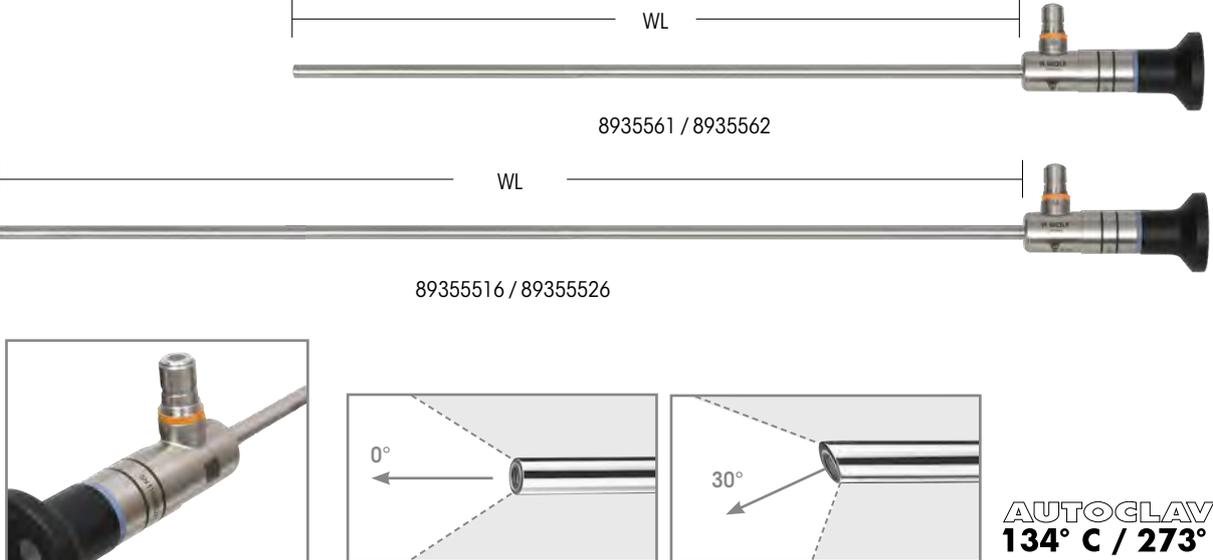
2



	Direction of view	SL	TL	Ø	Working channel Ø	Product no.
<b>OR endoscope bndl</b> consisting of: OR endoscope 0° Ø 5.5 mm SL 215 mm (8920.401) Autom. sealing element ID 5.7 mm (8920.311) Sealing cap, red-orange (15176.020) Sealing membrane Ø 17 mm (PACK= 10 PCS) (89.103)	0°	215 mm	370 mm	5.5 mm	3.5 mm	<b>8920.4011</b>

Recommended accessories		Product no.
Trocar sleeve, straight, capacity 5.5 mm WL 62 mm		<b>8919.333</b>
Trocar sleeve, straight, capacity 5.5 mm WL 102 mm		<b>8919.353</b>
<b>Perforated basket for telescope</b> Dimensions (W x L x H): 132 x 467 x 75 mm		<b>38008</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 3.5 mm, 2.3 m long	<b>806635231</b>

VII25 || subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



4K UHD  
ICG NIR

8935561 / 8935562

89355516 / 89355526

0°

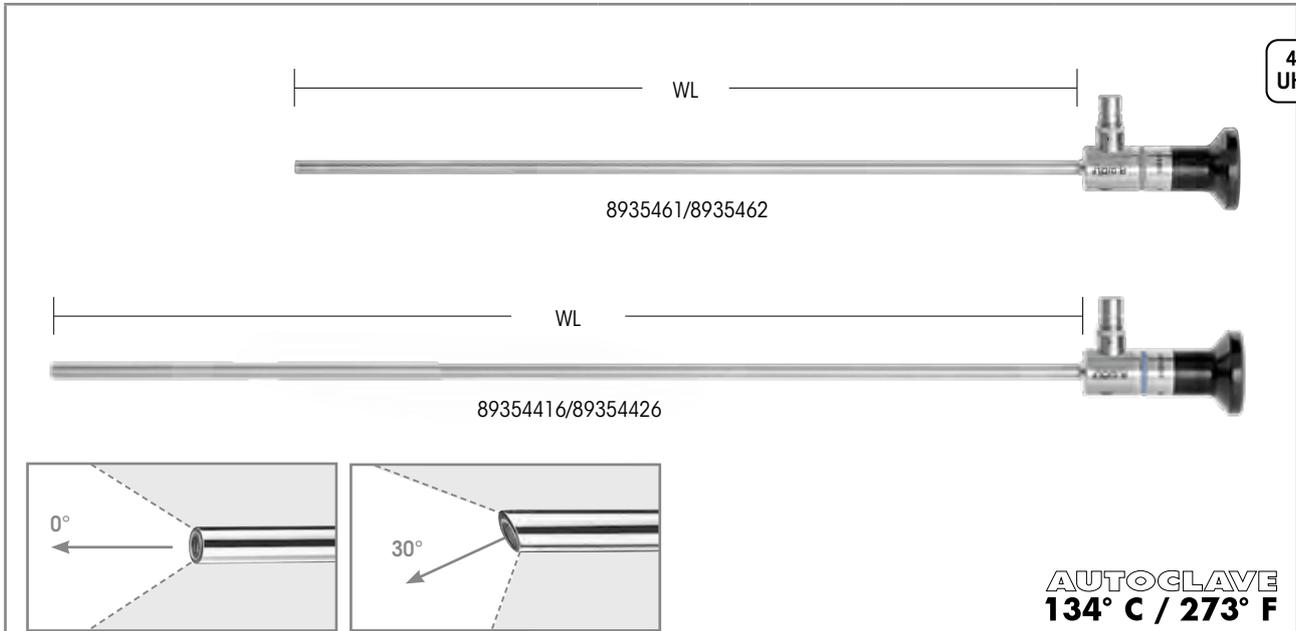
30°

**AUTOCLAVE**  
134° C / 273° F

	Direction of view	WL	GL	Ø	Product no.
PANOVIEW ULTRA Telescope Ø 5,5 mm WL 300 mm	0°	300 mm	372 mm	5,5 mm	8935561
PANOVIEW ULTRA Telescope Ø 5,5 mm WL 300 mm	30°				8935562

**Note:** Compatible with System green (see Imaging Catalog) (ICG/NIR-capable) and its recommended Fusion fiber light cable.

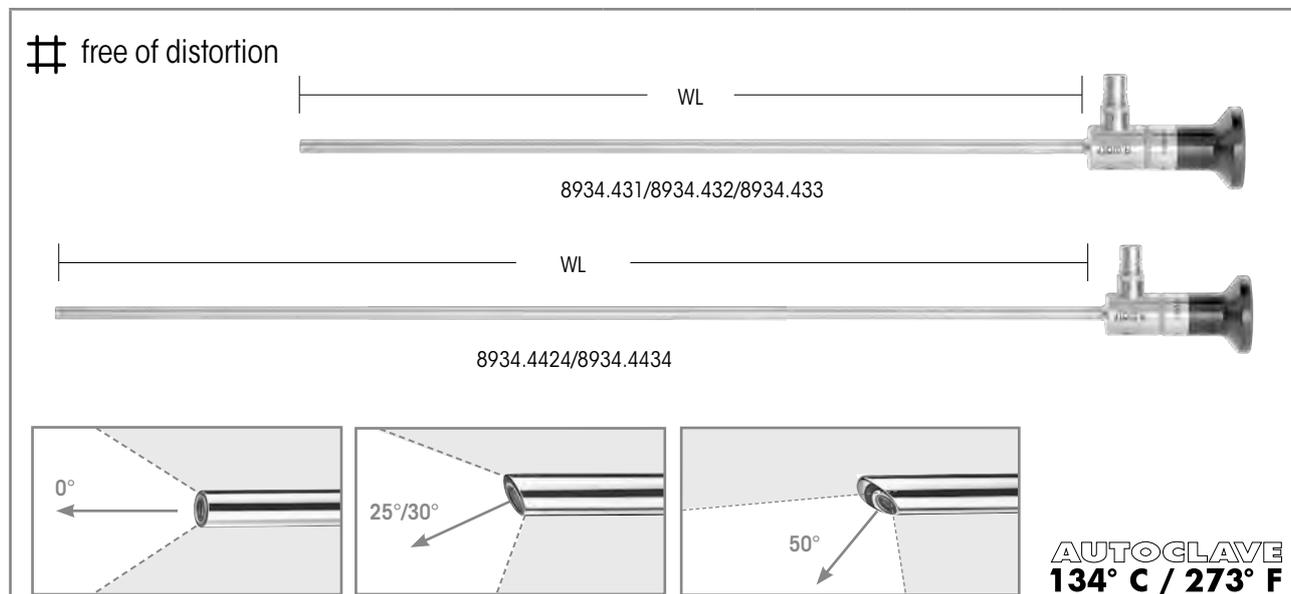
Recommended accessories		Product no.
<b>Perforated basket for standard telescope 2</b> (for telescope 8935416/8935426)	(W x H x D) 481 x 54 x 59 mm	<b>38016</b>
<b>Perforated basket for standard telescope 3</b> (for telescope 89354416/89354426)	(W x H x D) 619 x 54 x 59 mm	<b>38017</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 3.5 mm, 2.3 m long	<b>806635231</b>



	Direction of view	WL	Ø	Product no.
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 300 mm	0°	300 mm	5.5 mm	<b>8935461</b>
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 300 mm	30°			<b>8935462</b>
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 430 mm	0°	430 mm		<b>89354416</b>
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 430 mm	30°			<b>89354426</b>

Recommended accessories		Product no.
<b>Perforated basket for standard telescope 2</b> (for telescope 8935416/8935426)	(W x H x D) 481 x 54 x 59 mm	<b>38016</b>
<b>Perforated basket for standard telescope 3</b> (for telescope 89354416/89354426)	(W x H x D) 619 x 54 x 59 mm	<b>38017</b>
<b>Fiber lightcable bndl</b> consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	<b>806650231</b>
<b>Fusion Fiber light cable bndl</b> consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	<b>806550231</b>

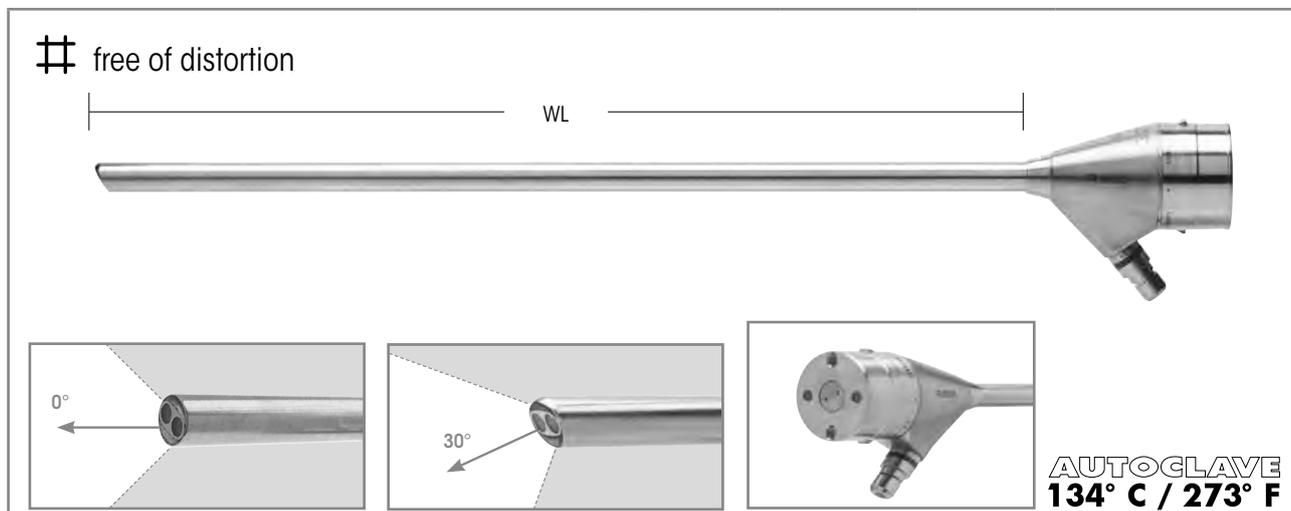
# LAPAROSCOPES 10 MM



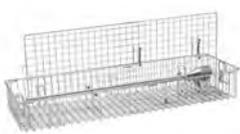
	Direction of view	WL	TL	Ø	Product no.
PANOVIEW Telescope 0° Ø 10 mm WL 307 mm	0°	307 mm	375 mm	10 mm	<b>8934.431</b>
PANOVIEW Telescope 30° Ø 10 mm WL 307 mm	30°	307 mm	375 mm		<b>8934.432</b>
PANOVIEW Telescope 50° Ø 10 mm WL 310 mm	50°	310 mm	378 mm		<b>8934.433</b>
PANOVIEW PLUS Telescope 25° Ø 10 mm WL 438 mm	25°	438 mm	507 mm		<b>8934.4424</b>
PANOVIEW PLUS Telescope 50° Ø 10 mm WL 447 mm	50°	447 mm	516 mm		<b>8934.4434</b>

Recommended accessories		Product no.
<b>Perforated basket for standard telescope 2</b> (for telescope 8934.431/.432/.433)	(W x H x D) 481 x 54 x 59 mm	<b>38016</b>
<b>Perforated basket for standard telescope 3</b> (for telescope 8934.4424/.4434)	(W x H x D) 619 x 54 x 59 mm	<b>38017</b>
<b>Fiber lightcable bndl</b> consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	<b>806650231</b>
<b>Fusion</b> <b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	<b>806550231</b>

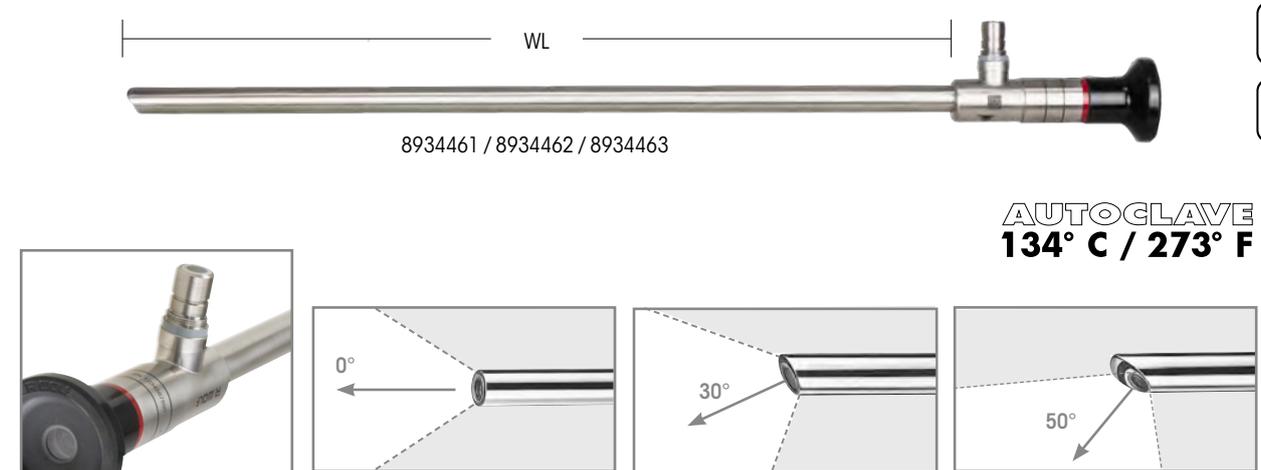
# 3D ENDOSCOPE 10 MM



	Direction of view	WL	TL	Ø	Product no.
3D endoscope 0° Ø 10 mm WL 300 mm	0°	300 mm	366 mm	10 mm	<b>8934631</b>
3D endoscope 0° Ø 10 mm WL 435 mm		435 mm	500 mm		<b>89344631</b>
3D endoscope 30° Ø 10 mm WL 301 mm	30°	301 mm	366 mm		<b>8934632</b>
3D endoscope 30° Ø 10 mm WL 435 mm		435 mm	501 mm		<b>89344632</b>

Recommended accessories		Product no.
<b>Perforated basket for 3D telescope</b> 	(W x H x D): 583 x 200 x 80 mm	<b>38014</b>
Fusion <b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side, adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	<b>806550231</b>

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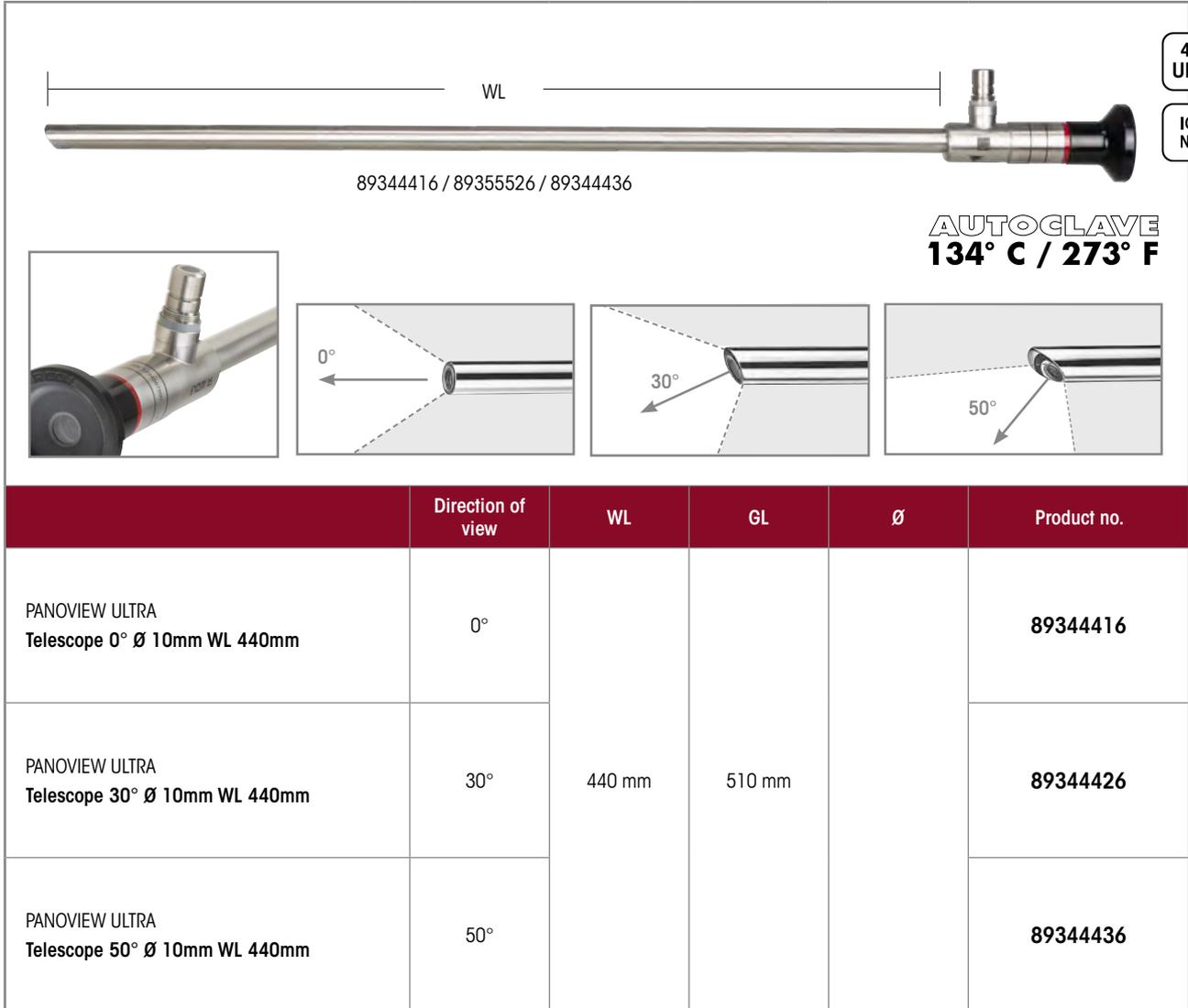


**AUTOGLAVE**  
**134° C / 273° F**

	Direction of view	WL	GL	Ø	Product no.
PANOVIEW ULTRA Telescope 0° Ø 10 mm WL 305 mm	0°	305 mm	375 mm	10 mm	<b>8934461</b>
PANOVIEW ULTRA Telescope 30° Ø 10 mm WL 305 mm	30°				<b>8934462</b>
PANOVIEW ULTRA Telescope 50° Ø 10 mm WL 305 mm	50°				<b>8934463</b>

**Note:** Compatible with System green (see Imaging Catalog) (ICG/NIR-capable) and its recommended Fusion fiber light cable.

Recommended accessories		Product no.
<b>Perforated basket for standard telescope 2</b>	(W x H x D) 481 x 54 x 59 mm	<b>38016</b>
<b>Fiber lightcable bndl</b> consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	<b>806650231</b>
Fusion <b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	<b>806550231</b>



89344416 / 89355526 / 89344436

**AUTOCLAVE**  
134° C / 273° F

	Direction of view	WL	GL	Ø	Product no.
PANOVIEW ULTRA Telescope 0° Ø 10mm WL 440mm	0°	440 mm	510 mm		<b>89344416</b>
PANOVIEW ULTRA Telescope 30° Ø 10mm WL 440mm	30°				<b>89344426</b>
PANOVIEW ULTRA Telescope 50° Ø 10mm WL 440mm	50°				<b>89344436</b>

**Note:** Compatible with System green (see Imaging Catalog) (ICG/NIR-capable) and its recommended Fusion fiber light cable.

Recommended accessories		Product no.
<b>Perforated basket for standard telescope 3</b>	(W x H x D) 619 x 54 x 59 mm	<b>38017</b>
<b>Fiber lightcable bndl</b> consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	<b>806650231</b>
Fusion <b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	<b>806550231</b>

**LIGHT TUBE FOR MILOS METHOD  
(MINI LESS OPEN SUBLAY METHOD)**



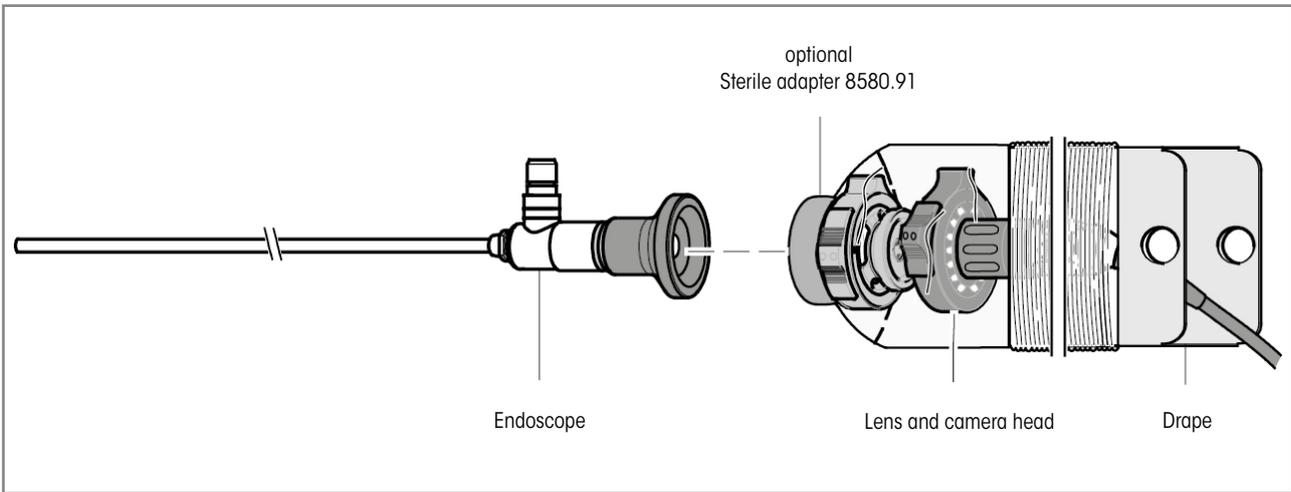
		Ø	TL	Product no.
	<p><b>Light tube for MILOS method Ø 10 mm</b></p> <p>Instrument channel for 5 mm instruments</p>	10 mm	200 mm	<b>893420</b>

Recommended accessories	Product no.	
<p><b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 5 mm, TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)</p>	Ø 5.0 mm, 2.3 m long	<b>806650231</b>
<p>Fusion <b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 5 mm, TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)</p>	Ø 5.0 mm, 2.3 m long	<b>806550231</b>
Sealing cap, sulfur yellow, cap. 1.3 mm		<b>8934201</b>

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LAPAROSCOPES  
ACCESSORIES

			Product no.
	<b>Sterile adapter</b>	immersible and autoclavable for changing telescopes	<b>8580.91</b>



## TROCAR SLEEVES 2.2 / 2.5 MM

				Tip triangular
				Trocar tip triangular Size 2.2 mm
<b>Plastic sheath tube with thread</b>	<b>WL</b>	<b>Capacity</b>	<b>Product no.</b>	WL 82 mm
<b>Trocar sleeve capacity 2.2 mm WL 60 mm with universal sealing valve</b>	 60 mm	2.2 mm	<b>8309.072</b>	<b>8309.121</b>

Trocar sleeve with insufflation connector  				Tip triangular
				Trocar tip triangular Size 2.2 mm
<b>Stainless steel sheath tube, smooth</b>	<b>WL</b>	<b>Capacity</b>	<b>Product no.</b>	WL 82 mm
<b>Trocar sleeve capacity 2.5 mm WL 55 mm</b>	 55 mm	2.5 mm	<b>8309.012</b>	<b>8309.121</b>
				WL 119 mm
<b>Trocar sleeve capacity 2.5 mm WL 95 mm</b>	 95 mm	2.5 mm	<b>8309.014</b>	<b>8309.123</b>

<b>Accessories</b>	<b>Product no.</b>
<b>Rubber cap capacity 0.8 mm (PACK= 10 PCS) red</b>	<b>88.01</b>

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# TROCAR SLEEVES 3.5 MM

## WITH INSUFFLATION STOPCOCK

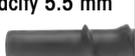
<b>RIWO-ART trocar sleeves</b> with magnetic ball valve with insufflation stopcock						Tip tapered/blunt	Tip triangular
				Trocar tip blunt Size 3.5 mm	Trocar tip triangular Size 3.5 mm		
Stainless steel sheath tube, smooth		WL	Capacity	Product no.	WL 169 mm	WL 169 mm	
<b>Trocar sleeve straight</b> capacity 3.5 mm WL 100 mm 		100 mm	3.5 mm	<b>8903.014</b>	<b>8903.103</b>	<b>8903.123</b>	
Plastic sheath tube with thread							
<b>Trocar sleeve straight</b> capacity 3.5 mm WL 100 mm 		100 mm	3.5 mm	<b>8903.034</b>	<b>8903.103</b>	<b>8903.123</b>	
					WL 129 mm	WL 129 mm	
<b>Trocar sleeve slanted</b> capacity 3.5 mm WL 60 mm 		60 mm	3.5 mm	<b>8903.072</b>	<b>8903.101</b>	<b>8903.121</b>	

Accessories	Product no.
Spare ball capacity 5.5 mm	<b>8921.901</b>
Spare O rings capacity 3.5 mm (PACK= 10 PCS), capacity Ø 3.5–5.5 mm	<b>8921.951</b>
Sealing cap capacity 2.4–3.4 mm (PACK= 10 PCS) red	<b>89.01</b>
Stopcock insert bndl cap. 3.0 mm (PACK= 5 PCS)	<b>896.0002</b>

<b>Trocar sleeve</b> with membrane valve					
				Tip tapered/blunt	Trocar tip blunt Size 3.5 mm
Plastic sheath tube with distal screw anchor		WL	Capacity	Product no.	WL 169 mm
<b>Trocar sleeve straight</b> capacity 3.5 mm WL 40 mm 		40 mm	3.5 mm	<b>8929.223</b>	<b>8903.103</b>

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# TROCAR SLEEVES 5.5 MM

RIWO-ART trocar sleeves with magnetic ball valve with insufflation stopcock 				Tip tapered/blunt	Tip tapered/ pointed	Tip triangular
				 Trocar tip blunt Size 5.5 mm	 Trocar tip pointed Size 5.5 mm	 Trocar tip triangular Size 5.5 mm
Stainless steel sheath tube	WL	Capacity	Product no.	WL 169 mm	WL 169 mm	WL 169 mm
Trocar sleeve straight capacity 5.5 mm WL 100 mm smooth 	100 mm	5.5 mm	8921.014	8921.103	8921.113	8921.123
Trocar sleeve slanted capacity 5.5 mm WL 100 mm smooth 	100 mm	5.5 mm	8921.013	8921.103	8921.113	8921.123
Trocar sleeve straight capacity 5.5 mm WL 100 mm with thread 	100 mm	5.5 mm	8921.024	8921.103	8921.113	8921.123
Trocar sleeve slanted capacity 5.5 mm WL 100 mm with thread 	100 mm	5.5 mm	8921.023	8921.103	8921.113	8921.123
Plastic tube Trocar sleeve straight capacity 5.5 mm WL 100 mm with thread 	100 mm	5.5 mm	8921.034	8921.103	8921.113	8921.123
				WL 219 mm	WL 219 mm	WL 219 mm
Trocar sleeve straight capacity 5.5 mm WL 150 mm smooth 	150 mm	5.5 mm	8921.016	8921.105	8921.115	8921.125
Trocar sleeve straight capacity 5.5 mm WL 150 mm with thread 	150 mm	5.5 mm	8921.026	8921.105	8921.115	8921.125

Accessories	Product no.
Spare ball capacity 5.5 mm	8921.901
Spare O rings capacity 3.5 mm (PACK= 10 PCS), capacity Ø 3.5–5.5 mm	8921.951
Sealing cap capacity 3.4–5.1 mm (PACK= 10 PCS) blue	89.02
Stopcock insert bndl cap. 3.0 mm (PACK= 5 PCS)	896.0002

# TROCAR SLEEVES 5.5 MM

RIWO-ART trocar sleeves with magnetic ball valve 				Tip tapered/blunt	Tip tapered/ pointed	Tip triangular	
				Trocar tip blunt Size 5.5 mm	Trocar tip pointed Size 5.5 mm	Trocar tip triangular Size 5.5 mm	
Stainless steel sheath tube		WL	Capacity	Product no.	WL 129 mm	WL 129 mm	WL 129 mm
Trocar sleeve straight capacity 5.5 mm WL 60 mm smooth 		60 mm	5.5 mm	8921.052	8921.101	8921.111	8921.121
Trocar sleeve slanted capacity 5.5 mm WL 60 mm smooth 		60 mm	5.5 mm	8921.051	8921.101	8921.111	8921.121
Trocar sleeve straight capacity 5.5 mm WL 60 mm with thread 		60 mm	5.5 mm	8921.062	8921.101	8921.111	8921.121
Trocar sleeve slanted capacity 5.5 mm WL 60 mm with thread 		60 mm	5.5 mm	8921.061	8921.101	8921.111	8921.121
Plastic tube Trocar sleeve straight capacity 5.5 mm WL 60 mm with thread 		60 mm	5.5 mm	8921.072	8921.101	8921.111	8921.121
					WL 169 mm	WL 169 mm	WL 169 mm
Trocar sleeve straight capacity 5.5 mm WL 100 mm smooth 		100 mm	5.5 mm	8921.054	8921.103	8921.113	8921.123
Trocar sleeve straight capacity 5.5 mm WL 100 mm with thread 		100 mm	5.5 mm	8921.053	8921.103	8921.113	8921.123

Accessories	Product no.
Spare ball capacity 5.5 mm	8921.901
Spare O rings capacity 3.5 mm (PACK= 10 PCS), capacity Ø 3.5–5.5 mm	8921.951
Sealing cap capacity 3.4–5.1 mm (PACK= 10 PCS) blue	89.02

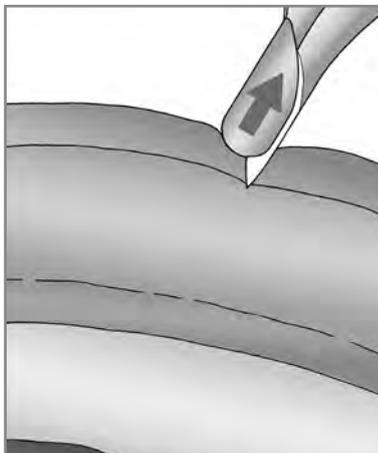
# TROTEC

## TROCAR WITH AUTOMATIC PROTECTIVE FUNCTION

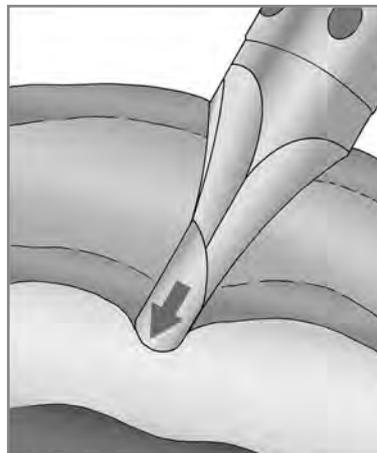
### FOR TROCAR SLEEVES 5.5 MM

Trocar consisting of:		Product no.	for RIWO-ART trocar sleeve with WL 100 mm, Ø 5,5 mm
Sheath with trocar tip Size 5.5 mm WL 181 mm	Tapered tip 	8921.132	
Sheath with trocar tip Size 5.5 mm WL 181 mm	Two-sided tip 	8921.134	
Spring-loaded protective rod WL 184 mm		8923.135	

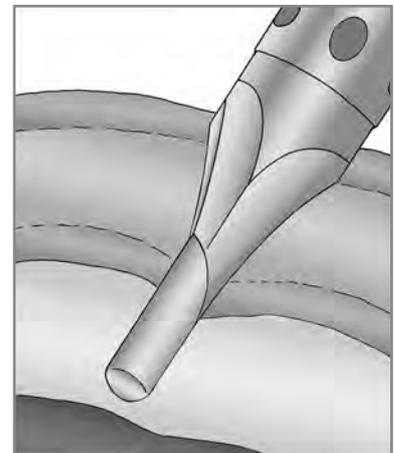
Accessories	Product no.
Protective cap	8923.991



Protective tip automatically pushes back into the cannula through contact with the abdominal wall



The protective tip advances into the free abdomen immediately after penetration of the peritoneum



The atraumatic protective tip in a far distal position prevents perforation of organs and vessels

# TROCAR SLEEVE 5.5 MM/5.8 MM

PLASTIC WITH SEALING MEMBRANE

TROCAR SLEEVES

3

 <p><b>AUTOCLAVE</b> <b>134° C / 273° F</b></p>					Tip tapered/blunt	Tip tapered/pointed	Tip triangular
							
					Trocar tip blunt Size 5.5 mm	Trocar tip pointed Size 5.5 mm	Trocar tip triangular Size 5.5 mm
Flexible plastic sheath tube with thread	WL	Capacity	with stopcock	Product no.	WL 104 mm	WL 104 mm	WL 104 mm
Trocar sleeve straight capacity 5.5 mm WL 62 mm with membrane valve	62 mm	5.5 mm	●	8919.333	8919.3311	8919.3312	8919.3313
				8919.331			
					WL 144 mm	WL 144 mm	WL 144 mm
Trocar sleeve straight capacity 5.5 mm WL 102 mm with membrane valve	102 mm	5.5 mm	●	8919.353	8919.3511	8919.3512	8919.3513
				8919.351			

for curved instruments				Tip tapered/blunt	Tip tapered/pointed	Tip triangular	Tip tapered/blunt
 <p><b>AUTOCLAVE</b> <b>134° C / 273° F</b></p>							
				Trocar tip blunt Size 5.5 mm	Trocar tip pointed Size 5.5 mm	Trocar tip triangular Size 5.5 mm	Trocar tip blunt Size 5.5 mm
Flexible plastic sheath tube with thread	WL	Capacity	Product no.	WL 80 mm	WL 80 mm	WL 80 mm	WL 80 mm
Trocar sleeve straight capacity 5.8 mm WL 62 mm with membrane valve	62 mm	5.8 mm	8905.331	8905.3311	8905.3312	8905.3313	8905.3315
				WL 120 mm	WL 120 mm	WL 120 mm	WL 120 mm
Trocar sleeve straight capacity 5.8 mm WL 102 mm with membrane valve	102 mm	5.8 mm	8905.3515	8905.3511	8905.3512	8905.3513	8905.3515

Accessories	Product no.
Sealing membrane Ø 17 mm, yellow (PACK= 10 PCS)	89.103
Stopcock insert bndl cap 3.0 mm (PACK= 5 PCS)	896.0002

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## TROCAR SLEEVE 5.7 MM/7 MM/10 MM/12.5 MM

### FLEXIBLE PLASTIC SHEATH TUBE

				Tip tapered/blunt
				Trocar tip blunt
Flexible plastic sheath tube with thread	WL	Capacity	Product no.	Size 5.5 mm/WL 83 mm
Trocar sleeve straight capacity 5.7 mm WL 60 mm with rubber cap	60 mm	5.7 mm	8906.051	8906.151

				Tip tapered/blunt
				Trocar tip blunt
Ribbed flexible plastic sheath tube	WL	Capacity	Product no.	Size 7.3 mm/TL 108 mm
Trocar sleeve flexible capacity 7 mm WL 74 mm with universal seal	74 mm	7 mm	8906.001	8913.11
				Size 10 mm/TL 85 mm
Trocar sleeve flexible capacity 10 mm WL 56 mm with universal seal	56 mm	10 mm	8906.011	8906.111
				Size 12.5 mm/TL 86 mm
Trocar sleeve flexible capacity 12.5 mm WL 57 mm with universal seal	57 mm	12.5 mm	8906.031	8906.131

# TROCAR SLEEVE 10 MM WITH INSUFFLATION STOPCOCK

RIWO-ART trocar sleeves with magnetic ball valve					Tip tapered/blunt	Tip tapered/pointed	Tip triangular
							
					Trocar tip blunt Size 10 mm	Trocar tip pointed Size 10 mm	Trocar tip triangular Size 10 mm
Stainless steel sheath tube		WL	Capacity	Product no.	WL 164 mm	WL 164 mm	WL 164 mm
Trocar sleeve straight capacity 10 mm WL 100 mm		100 mm	10 mm	8923.014	8923.103	8923.113	8923.123
Trocar sleeve slanted capacity 10 mm WL 100 mm		100 mm	10 mm	8923.013	8923.103	8923.113	8923.123
Trocar sleeve straight capacity 10 mm WL 100 mm with thread		100 mm	10 mm	8923.024	8923.103	8923.113	8923.123
Trocar sleeve slanted capacity 10 mm WL 100 mm with thread		100 mm	10 mm	8923.023	8923.103	8923.113	8923.123
					WL 214 mm	WL 214 mm	WL 214 mm
Trocar sleeve straight capacity 10 mm WL 150 mm		150 mm	10 mm	8923.016	-	8923.115	8923.125
Trocar sleeve straight capacity 10 mm WL 150 mm with thread		150 mm	10 mm	8923.026	-	8923.115	8923.125

Accessories	Product no.
Spare ball capacity 7 mm	8923901
Spare O rings capacity 7 mm (PACK= 10 PCS), capacity Ø 7–12.5 mm	8923951
Sealing cap capacity 9.5–10.1 mm (PACK= 10 PCS) red	8908
Stopcock insert bndl cap. 3.0 mm (PACK= 5 PCS)	896.0002

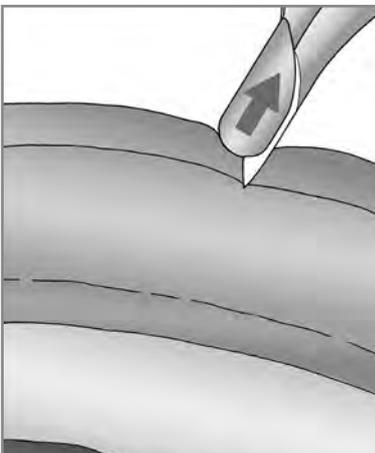
# TROTEC

## TROCAR WITH AUTOMATIC PROTECTIVE FUNCTION

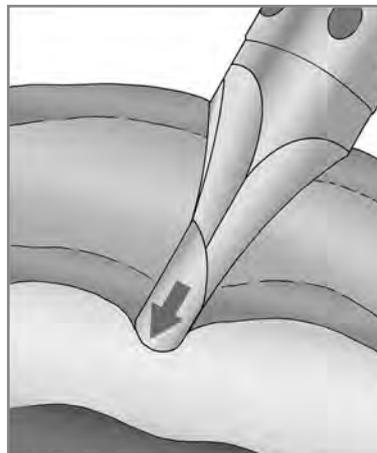
### FOR TROCAR SLEEVES 10 MM

			
Trocar consisting of:		Product no.	for RIWO-ART trocar sleeve with WL 100 mm, ø 10 mm
Sheath with trocar tip Size 10 mm WL 181 mm	Tapered tip 	8923.132	
Sheath with trocar tip Size 10 mm WL 181 mm	Two-sided tip 	8923.134	
Spring-loaded protective rod WL 184 mm		8923.135	

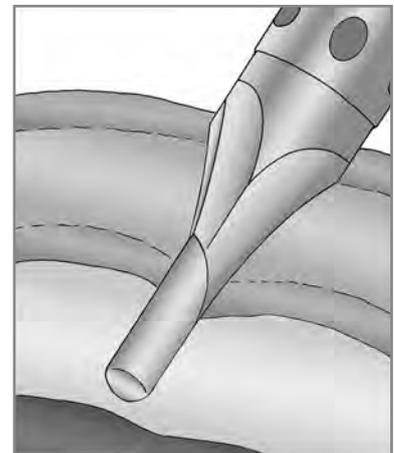
Accessories	Product no.
Protective cap	8923.991



Protective tip automatically pushes back into the cannula through contact with the abdominal wall



The protective tip advances into the free abdomen immediately after penetration of the peritoneum



The atraumatic protective tip in a far distal position prevents perforation of organs and vessels

VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# HIGH FLOW TROCAR SLEEVE 10 MM WITH CONNECTOR FOR HIGH FLOW INSUFFLATION TUBE

TROCAR SLEEVES

3

RIWO-ART trocar sleeves with magnetic ball valve 				Tip tapered/blunt 	Tip tapered/pointed 	Tip triangular 
				Trocar tip blunt Size 10 mm	Trocar tip pointed Size 10 mm	Trocar tip triangular Size 10 mm
Stainless steel sheath tube	WL	Capacity	Product no.	WL 164 mm	WL 164 mm	WL 164 mm
Trocar sleeve straight capacity 10 mm WL 100 mm 	100 mm	10 mm	8923.042	8923.103	8923.113	8923.123
for this:						Product no.
Reducing adapter (PACK= 5 PCS)			for reduction from Ø 7 mm, Ø 10 mm, and Ø 12.5 mm to Ø 5.5 mm			8923802

Accessories	Product no.
Spare ball capacity 7 mm	8923901
Spare O rings capacity 7 mm (PACK= 10 PCS), capacity Ø 7–12.5 mm	8923951
Sealing cap capacity 9.5–10.1 mm (PACK= 10 PCS) red	8908

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# TROCAR SLEEVE 12.5 MM

## WITH INSUFFLATION STOPCOCK

RIWO-ART trocar sleeves with magnetic ball valve 				Tip tapered/blunt	Tip tapered/pointed	Tip triangular	
				 Trocar tip blunt Size 12.7 mm	 Trocar tip pointed Size 12.7 mm	 Trocar tip triangular Size 12.7 mm	
Stainless steel sheath tube		WL	Capacity	Product no.	WL 164 mm	WL 164 mm	WL 164 mm
Trocar sleeve straight capacity 12.5 mm WL 100 mm 	100 mm	12.5 mm	<b>8924.014</b>	<b>8924.103</b>	<b>8924.113</b>	<b>8924.123</b>	
Trocar sleeve slanted capacity 12.5 mm WL 100 mm 	100 mm	12.5 mm	<b>8924.013</b>	<b>8924.103</b>	<b>8924.113</b>	<b>8924.123</b>	
				WL 214 mm	WL 214 mm	WL 214 mm	
Trocar sleeve straight capacity 12.5 mm WL 150 mm with thread 	150 mm	12.5 mm	<b>8924.026</b>	-	<b>8924.115</b>	<b>8924.125</b>	
Trocar sleeve straight capacity 12.5 mm WL 150 mm 	150 mm	12.5 mm	<b>8924.016</b>	-	<b>8924.115</b>	<b>8924.125</b>	
for this:							
Reducing adapter (PACK= 5 PCS) 		for reduction from Ø 10 mm to Ø 5.5 mm and Ø 12.5 mm to Ø 5.5 mm				<b>8923.802</b>	
		for reduction from Ø 12.5 mm to Ø 10 mm				<b>8924.802</b>	

Accessories	Product no.
Spare ball capacity 7 mm	<b>8923.901</b>
Spare O rings capacity 7 mm (PACK= 10 PCS), capacity Ø 7–12.5 mm	<b>8923.951</b>
Sealing cap capacity 9.5–10.1 mm (PACK= 10 PCS) red	<b>89.08</b>
Stopcock insert bndl cap. 3.0 mm (PACK= 5 PCS)	<b>896.0002</b>

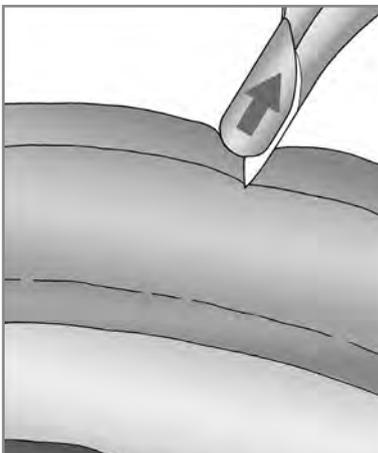
**TROTEC**  
**TROCAR WITH AUTOMATIC PROTECTIVE FUNCTION**  
 FOR TROCAR SLEEVES 12.5 MM

TROCAR SLEEVES

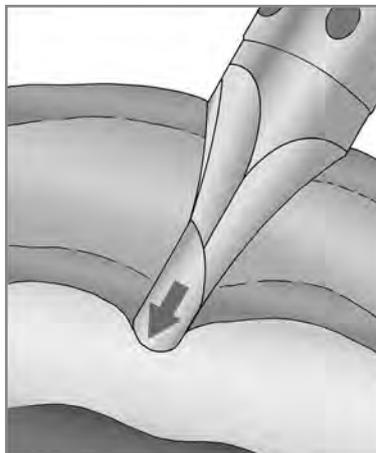
3

			
Trocar consisting of:		Product no.	for RIWO-ART trocar sleeve with WL 100 mm, Ø 12,5 mm
Sheath with trocar tip Size 12.5 mm WL 181 mm	Two-sided tip 	8924.134	
Spring-loaded protective rod WL 184 mm		8923.135	

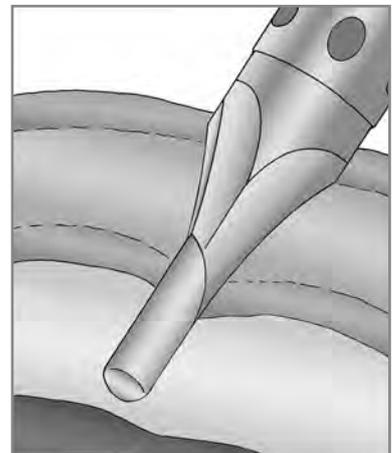
Accessories	Product no.
Protective cap	8923.991



Protective tip automatically pushes back into the cannula through contact with the abdominal wall



The protective tip advances into the free abdomen immediately after penetration of the peritoneum

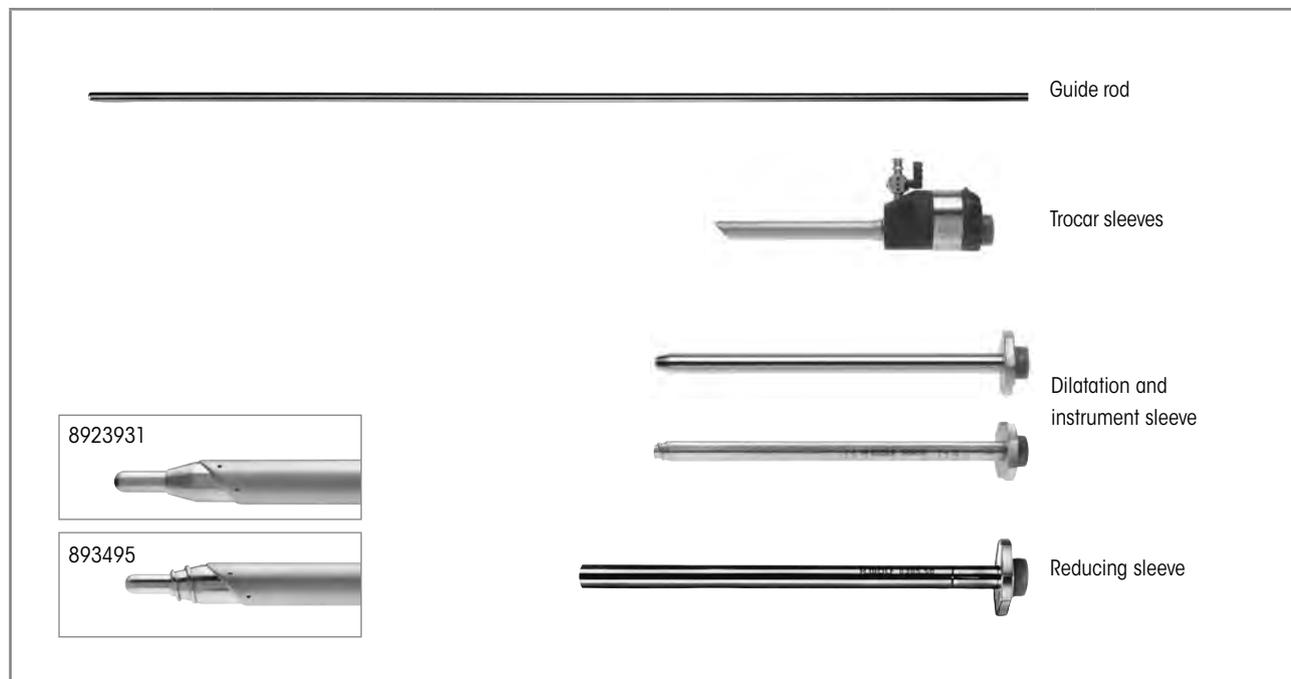


The atraumatic protective tip in a far distal position prevents perforation of organs and vessels

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# DILATATION AND EXTRACTION INSTRUMENTS

5.5 TO 10/10 TO 12.5 MM



Incision widening	Guide rod	Trocar sleeve slanted	Dilatation sleeve	Instrument sleeve	Reducing sleeve
3.5 mm < 5.5 mm	-	<b>8921.013</b> capacity 5.5 mm WL 100 mm			<b>8383.78</b> Size 5 mm L 155 mm
5.5 mm < 10 mm	<b>8923.921</b> 5.5 mm TL 500 mm	<b>8923.013</b> capacity 10 mm WL 100 mm	<b>8923.931</b> Size 10 mm WL 170 mm	<b>8385.50</b> 10 mm WL 170 mm	
5.0 mm < 10 mm	<b>8934.951</b> 5 mm TL 500 mm		<b>8934.95</b> Size 10 mm WL 172 mm		
10 mm < 12.5 mm		<b>8924.013</b> capacity 12.5 mm WL 100 mm			<b>8941.901</b> 12 mm WL 180 mm
5.5 mm < 12.5 mm					<b>8941.951</b> 12 mm WL 180 mm
10 mm < 15 mm	<b>8943.901</b> 10 mm TL 500 mm				

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## REDUCING SLEEVES FOR RIWO-ART TROCAR SLEEVES



Stainless steel sheath tube	Outer Ø	WL	for instruments	Product no.
<b>Reducing sleeve</b> Size 5 mm WL 155 mm	5 mm	155 mm	3.5 mm	<b>8383.78</b>
<b>Instrument sleeve</b> 10 mm WL 170 mm	10 mm	170 mm	5.5 mm	<b>8385.50</b>
<b>Reducing sleeve</b> 12 mm WL 180 mm	12 mm	180 mm	10 mm	<b>8941.901</b>
<b>Reducing sleeve</b> 12 mm WL 180 mm	12 mm	180 mm	5.5 mm	<b>8941.951</b>
for this:				
<b>Reducing adapter</b> (PACK= 5 PCS)		for reduction from Ø 7 mm, Ø 10 mm, and Ø 12.5 mm to Ø 5.5 mm		<b>8923802</b>
		for reduction from Ø 12.5 mm to Ø 10 mm		<b>8924802</b>

Accessories	Product no.
<b>Sealing cap capacity 3.4–5.1 mm (PACK= 10 PCS) blue</b>	<b>89.02</b>
<b>Sealing cap capacity 9.5–10.1 mm (PACK= 10 PCS) red</b>	<b>8908</b>

# VERES CANNULAS

## FOR CREATION OF THE PNEUMOPERITONEUM

				
		Outer Ø	WL	Product no.
	VERES cannula Ø 2.1 mm WL 150 mm	<b>2.1 mm</b>	150 mm	<b>8302.15</b>
	VERES cannula Ø 2.1 mm WL 120 mm (standard length)		120 mm	<b>8302.12</b>
	VERES cannula Ø 2.1 mm WL 80 mm		80 mm	<b>8302.08</b>
<b>for this:</b>				
Tube with Luer-Lock connector				<b>886.00</b>

Accessories	Product no.
Stopcock insert bndl cap. 3.0 mm (PACK= 5 PCS)	<b>896.0002</b>

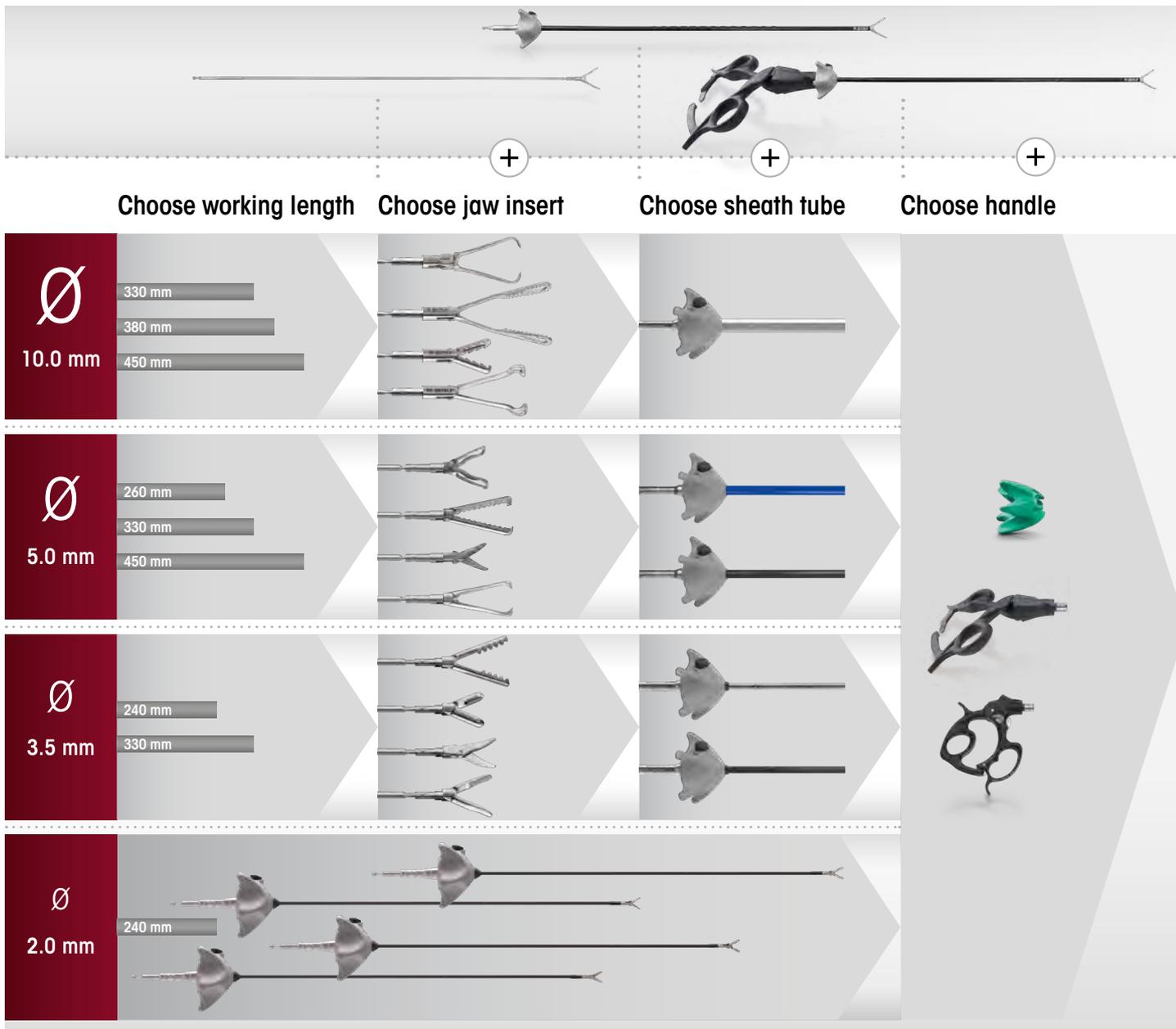
VI125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

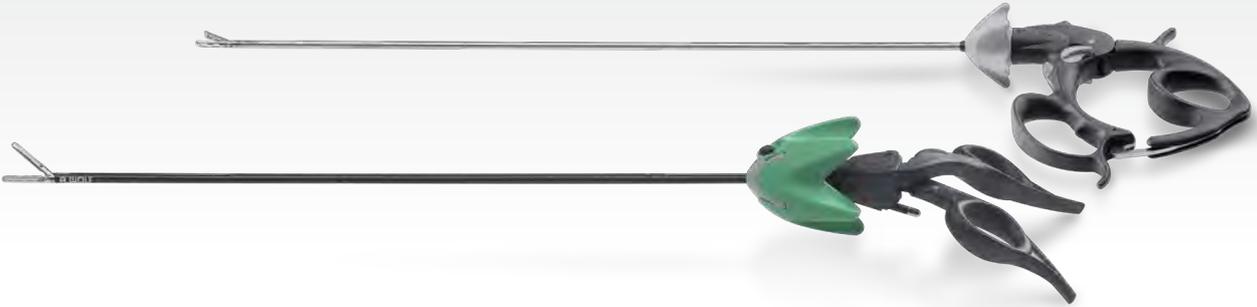
# ERAGON<sup>modular</sup>

## THE LAPAROSCOPIC TOOLBOX

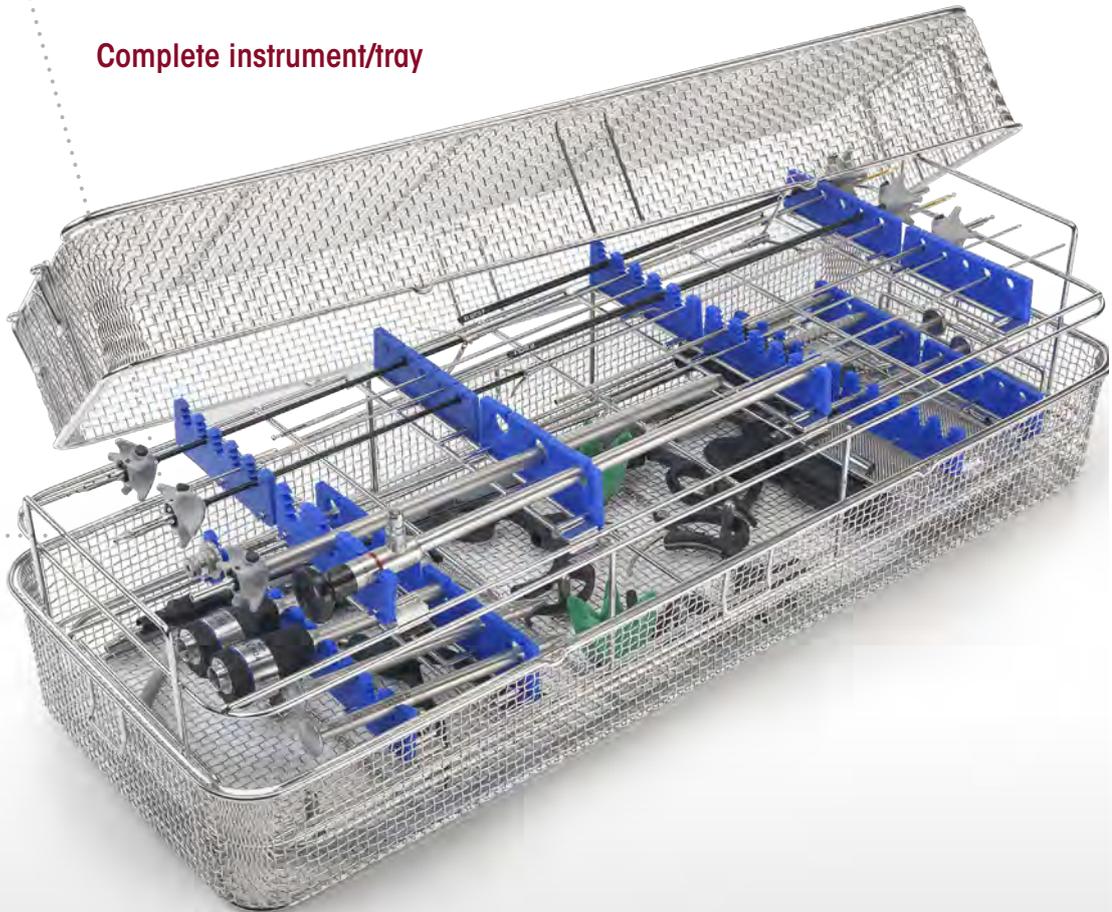
### The toolbox principle

**ERAGONmodular** allows the surgeon to create their ideal laparoscopic set. Ergonomic handles, diameters relevant to all medical practice, useful working lengths, and a range of jaw sections can be combined as necessary. This universal compatibility also ensures that individual trays can comprise fewer instruments – for more efficiency and one way of cutting costs





**Complete instrument/tray**



**ERAGON** modular  
micro  
Ø 2 MM, INSULATED

		Handle, axial	
<b>ERAGON</b> axial			
All jaw inserts and sheath tubes can also be combined with <b>ERAGON</b> axial		without lock, with HF connector	without lock, with HF connector
<b>Rotatable knob</b>	<b>Product no.</b>	83930083	83930084
	8988	•	•

Jaw insert		Sheath tube, Ø 2.0 mm, insulated	Handle, pistol-shaped	Complete instrument
				<ul style="list-style-type: none"> <li>• Jaw insert with sheath tube</li> <li>• Handle</li> </ul>
		WL 240 mm	without lock, with HF, mono	
	<b>JL*</b>	<b>Product no.</b>	83930073	<b>Product no.</b>
 Scissors mono Ø 2 mm bndl straight, double-action	7 mm	8388200	•	<b>83882007</b>
 Dissector forceps mono Ø 2 mm bndl straight, double-action	7 mm	8388201	•	<b>83882017</b>
 Atraumatic grasping forceps mono Ø 2 mm bndl fenestrated, double-action	7 mm	8388202	•	<b>83882027</b>

\* JL = jaw length when jaw section closed (approximate measurements)  
HF connection cable: see sheet BDE116/117

**ERAGON** *modular*  
*micro*  
Ø 2 MM, INSULATED

Jaw insert			Sheath tube, Ø 2.0 mm, insulated	Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
					
			WL 240 mm	with lock, with HF, mono	
	JL*	Product no.		83930074	Product no.
 Grasping forceps mono Ø 2 mm bndl  double-action	7 mm	8388203	•	•	<b>83882037</b>

\* JL = jaw length when jaw section closed (approximate measurements)  
HF connection cable: see sheet BDE116/117

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter Ø 9 mm, length 64 mm	<b>163502</b>

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**ERAGON** modular mini

Ø 3.5 MM, INSULATED

ERAGONMODULAR

4

		Handle, axial	
<b>ERAGON</b> axial			
All jaw inserts and sheath tubes can also be combined with <b>ERAGON</b> axial		without lock, with HF connector	without lock, with HF connector
<b>Rotatable knob</b>	<b>Product no.</b>	83930083	83930084
	8988	•	•

Jaw insert		Sheath tube, Ø 3.5 mm, insulated		Handle, pistol-shaped	Complete instrument	
					<ul style="list-style-type: none"> <li>• Jaw insert with sheath tube</li> <li>• Handle</li> </ul>	
		WL 240 mm	WL 330 mm	with lock, with HF, mono		
	<b>JL*</b>	<b>Product no.</b>	8390933	8391933	83930074	<b>Product no.</b>
	15 mm	8390207	•		•	<b>83902077</b>
curved to the left, double-action		8391207		•	•	<b>83912077</b>
	18 mm	8390221	•		•	<b>83902217</b>
long, fine tip, double-action		8391221		•	•	<b>83912217</b>
	14 mm	8390222	•		•	<b>83902227</b>
short, fine tip, double-action		8391222		•	•	<b>83912227</b>
	14 mm	8390223	•		•	<b>83902237</b>
angled, double-action		8391223		•	•	<b>83912237</b>

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet BDE116/117

**ERAGON** modular mini

Ø 3.5 MM, INSULATED

Jaw insert			Sheath tube, Ø 3.5 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
							
			WL 240 mm	WL 330 mm	without lock, with HF, mono	with lock, with HF, mono	
	JL*	Product no.	8390933	8391933	83930073	83930074	Product no.
 Metzenbaum scissors mono Ø 3.5 mm bndl double-action	16 mm	8390215	•		•		83902157
		8391215			•		83912157
 Metzenbaum scissors mono Ø 3.5 mm bndl fine-toothed, curved, double-action	14 mm	8390224	•		•		83902247
		8391224			•		83912247
 Hook scissors mono Ø 3.5 mm bndl single-action	8 mm	8390227	•		•		83902277
		8391227			•		83912277
 Double spoon forceps mono Ø 3.5 mm bndl	12 mm	8390216	•			•	83902167
		8391216			•		83912167
 Friedel punch mono Ø 3.5 mm bndl	10 mm	8390217	•			•	83902177
		8391217			•		83912177

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet BDE116/117

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter Ø 9 mm, length 64 mm	163502

**ERAGON** modular mini  
Ø 3.5 MM, UNINSULATED

		Handle, axial	
 All jaw inserts and sheath tubes can also be combined with <b>ERAGONaxial</b>			
		with lock, without HF connector	with lock, without HF connector, not rotatable
Rotatable knob	Product no.	83930082	83930085
	8988	.	

Jaw insert		Sheath tube, Ø 3.5 mm, uninsulated		Handle, pistol-shaped	Complete instrument
 JL		WL 240 mm	WL 330 mm	 with lock, without HF	• Jaw insert with sheath tube • Handle
		8390934	8391934		
	JL*	Product no.			Product no.
 fenestrated, double-action	14 mm	8390208	.	.	<b>83902087</b>
		8391208	.	.	<b>83912087</b>
 fenestrated, single-action	17 mm	8390218	.	.	<b>83902187</b>
		8391218	.	.	<b>83912187</b>
 double fenestrated, curved, single-action	17 mm	8390225	.	.	<b>83902257</b>
		8391225	.	.	<b>83912257</b>
 fenestrated, double-action	19 mm	8390226	.	.	<b>83902267</b>
		8391226	.	.	<b>83912267</b>

\* JL = jaw length when jaw section closed (approximate measurements)  
 HF connection cable: see sheet BDE116/117

**ERAGON** modular  
mini  
Ø 3.5 MM, UNINSULATED

Jaw insert			Sheath tube, Ø 3.5 mm, uninsulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
						with lock, without HF
			WL 240 mm	WL 330 mm		
	JL*	Product no.	8390934	8391934	83930072	Product no.
 Grasping forceps Ø 3.5 mm bndl fenestrated, double-action	13 mm	8390219	•		•	83902197
		8391219		•	•	83912197
 Grasping forceps Ø 3.5 mm bndl fenestrated, single-action	17 mm	8390220	•		•	83902207
		8391220		•	•	83912207
 Universal grasping forceps Ø 3.5 mm bndl double-action	14 mm	8390209	•		•	83902097
		8391209		•	•	83912097
 Babcock forceps Ø 3.5 mm bndl double-action	19 mm	8390210	•		•	83902107
		8391210		•	•	83912107

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet BDE116/117

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter Ø 9 mm, length 64 mm	163503

**ERAGON** modular

Ø 5.0 MM, INSULATED

ERAGONMODULAR

4

		Handle, axial			
 All jaw inserts and sheath tubes can also be combined with ERAGONaxial					
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
<b>Rotatable knob</b>	<b>Product no.</b>	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped	Complete instrument	
					• Jaw insert with sheath tube • Handle	
		SL 330 mm	SL 450 mm	with lock, with HF, mono		
	JL*	<b>Product no.</b>	8393933	8394933	83930074	<b>Product no.</b>
 <b>Maryland dissector forceps mono Ø 5 mm bndl</b> curved, with fine cross tothing, double-action	21 mm	8393.281	•		•	<b>83932817</b>
		8394.281		•		•
 <b>Mixer dissector forceps mono Ø 5 mm bndl</b> angled, fine, pyramid-shaped tothing, double-action	22 mm	8393.283	•		•	<b>83932837</b>
 <b>Grasping forceps, mono Ø 5 mm bndl</b> fenestrated, with fine cross tothing, 15 mm long, single-action	21 mm	8393.185	•		•	<b>83931857</b>
 <b>Grasping forceps, mono Ø 5 mm bndl</b> fenestrated, with fine cross tothing, 20 mm long, single-action	26 mm	8393.184	•		•	<b>83931847</b>
		8394.184		•		•

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet BDE116/117

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**ERAGON** modular  
Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated			Handle, pistol-shaped			Complete instrument • Jaw insert with sheath tube • Handle
			SL 260 mm	SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	JL*	Product no.	8392933	8393933	8394933	83930072	83930073	83930074	Product no.
 <b>Dolphin dissector forceps mono Ø 5 mm bndl</b> angled, with fine cross-toothing, with channel, narrow, 15 mm long, double-action	17 mm	8393.285		•				•	<b>83932857</b>
 <b>Dissector forceps mono Ø 5 mm bndl</b> fine pyramid-shaped toothing, narrow, 18 mm, double-action	23 mm	8393.289		•				•	<b>83932897</b>
 <b>Atraumatic grasping forceps Ø 5 mm bndl</b> Channel with wavy tooth edge, 20 mm, single-action	26 mm	8393.292		•				•	<b>83932925</b>
 <b>Atraumatic grasping forceps Ø 5 mm bndl</b> Channel with wavy tooth edge, 20 mm, double-action	26 mm	8393.293		•				•	<b>83932935</b>
		8394.293			•			•	<b>83942935</b>
 <b>Grasping forceps, mono Ø 5 mm bndl</b> fine, pyramid-shaped toothing, narrow double-action	19 mm	8393.288		•				•	<b>83932887</b>
 <b>Atraumatic grasping forceps mono Ø 5 mm bndl</b> fenestrated, with cross toothing, double-action	19 mm	8392.181	•					•	<b>83921817</b>
		8393.181		•				•	<b>83931817</b>
		8394.181			•			•	<b>83941817</b>

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet BDE116/117

V125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

**ERAGON<sup>modular</sup>**  
 Ø 5.0 MM, INSULATED

ERAGONMODULAR

4

		Handle, axial			
 All jaw inserts and sheath tubes can also be combined with ERAGONaxial					
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument	
						• Jaw insert with sheath tube • Handle	
	JL*	Product no.	SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	Product no.
 Atraumatic grasping forceps mono Ø 5 mm bndl 18 mm smooth, double-action		8393.195	•			•	<b>83931957</b>
		8394.195		•		•	<b>83941957</b>
 Babcock forceps Ø 5 mm bndl 24 mm Gripping surface with fine cross tothing, double-action		8393.186	•			•	<b>83931867</b>
		8393.187	•			•	<b>83931877</b>
 Babcock forceps Ø 5 mm bndl 26 mm large distal gripping surface with fine cross tothing, double-action		8394.187		•		•	<b>83941877</b>
		8393.190	•			•	<b>83931907</b>
 Debakey forceps Ø 5 mm bndl 39 mm atraumatic clamp, double-action							

\* JL = jaw length when jaw section closed (approximate measurements)  
 HF connection cable: see sheet BDE116/117

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

**ERAGON** modular  
Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
							
			SL 330 mm	SL 450 mm	with lock, without HF	with lock, with HF, mono	
	JL*	Product no.	8393933	8394933	83930072	83930074	Product no.
 <b>Debaque forceps</b> Ø 5 mm bndl atraumatic clamp, double-action	48 mm	8393191	•		•		<b>83931917</b>
 <b>Grasping forceps, mono</b> Ø 5 mm bndl with a row of teeth, double-action	17 mm	8393.485	•			•	<b>83934857</b>
 <b>Grasping forceps, mono</b> Ø 5 mm bndl with one tooth, fine cross toothing, narrow, double-action	19 mm	8393.486	•			•	<b>83934867</b>
 <b>Grasping forceps, mono</b> Ø 5 mm bndl with two teeth, fine cross toothing, single-action	17 mm	8393.487	•			•	<b>83934877</b>
 <b>Grasping forceps</b> Ø 5 mm bndl with two teeth wavy gripping surface, double-action		8393.490	•		•		<b>83934907</b>
	26 mm	8394.490		•	•		<b>83944907</b>
 <b>Petelin dissector forceps</b> mono Ø 5 mm bndl angled 30° to the left, with cross toothing, single-action	17 mm	8393.282	•			•	<b>83932827</b>

\* JL = jaw length when jaw section closed (approximate measurements)

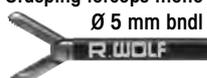
HF connection cable: see sheet BDE116/117

**ERAGON** modular  
Ø 5.0 MM, INSULATED

ERAGONMODULAR

4

		Handle, axial			
 All jaw inserts and sheath tubes can also be combined with ERAGONaxial					
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert		Sheath tube, Ø 5.0 mm, insulated	Handle, pistol-shaped			Complete instrument	
		 SL 330 mm				• Jaw insert with sheath tube • Handle	
	JL*	Product no.	8393933	83930072	83930073	83930074	Product no.
 <b>Plate-shaped grasping forceps mono Ø 5 mm bndl</b> fenestrated with fine cross tothing, double-action	18 mm	8393.182	•			•	<b>83931827</b>
 <b>Grasping forceps mono Ø 5 mm bndl</b> with cross tothing, double-action	21 mm	8393.183	•			•	<b>83931837</b>
 <b>Grasping forceps mono Ø 5 mm bndl</b> distal cross tothing with channel, double-action	15 mm	8393.287	•			•	<b>83932877</b>
 <b>Claw grasping forceps Ø 5 mm bndl</b> double-action	27 mm	8393.494	•			•	<b>83934945</b>

\* JL = jaw length when jaw section closed (approximate measurements)  
 HF connection cable: see sheet BDE116/117

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**ERAGON** modular  
Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped			Complete instrument • Jaw insert with sheath tube • Handle
			SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	JL*	Product no.	8393933	8394933	83930072	83930073	83930074	Product no.
<b>Myoma grasping forceps</b> Ø 5 mm bndl  2x3-claw, single-action	29 mm	8393.488	•		•			<b>83934887</b>
<b>Universal grasping forceps mono</b> Ø 5 mm bndl  with pyramid-shaped tothing and cross tothing, double-action	18 mm	8393.481	•				•	<b>83934817</b>
<b>Universal grasping forceps</b> Ø 5 mm bndl  pyramid-shaped tothing and cross tothing, double-action	26 mm	8393.482	•		•			<b>83934827</b>
<b>Grasping forceps mono</b> Ø 5 mm bndl  Pike-mouth, double-action	20 mm	8393.483	•				•	<b>83934837</b>
<b>Biopsy forceps mono</b> Ø 5 mm bndl  with spikes, double-action	13 mm	8393.091	•				•	<b>83930917</b>
		8394.091		•			•	<b>83940917</b>
<b>Biopsy forceps mono</b> Ø 5 mm bndl  severing, single-action	14 mm	8393.092	•				•	<b>83930927</b>
		8394.092		•			•	<b>83940927</b>

\* JL = jaw length when jaw section closed (approximate measurements)

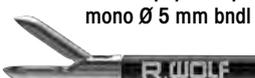
HF connection cable: see sheet BDE116/117

**ERAGON** modular  
Ø 5.0 MM, INSULATED

ERAGONMODULAR

4

		Handle, axial			
 All jaw inserts and sheath tubes can also be combined with ERAGONaxial					
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
							
	JL*	Product no.	SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	Product no.
 <b>Biopsy forceps mono Ø 5 mm bndl</b> pointed spoon forceps, single-action	20 mm	8393.093	•			•	<b>83930937</b>
 <b>Knot pusher Ø 5 mm bndl</b> with distal recess, double-action	17 mm	8393.345	•		•		<b>83933457</b>
		8394.345		•		•	
 <b>Grasping forceps Ø 5 mm bndl</b> spring jaw sections fenestrated with cross toothing, double-action	37 mm	8393.188	•		•		<b>83931887</b>
 <b>Grasping forceps Ø 5 mm bndl</b> spring jaw sections fenestrated with cross toothing, double-action	47 mm	8393.189	•		•		<b>83931897</b>
		8394.189		•		•	

\* JL = jaw length when jaw section closed (approximate measurements)  
 HF connection cable: see sheet BDE116/117

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

**ERAGON** modular

Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
			SL 330 mm	SL450 mm	with lock, without HF	with lock, with HF, mono	
	JL*	Product no.	8393933	8394933	83930072	83930074	Product no.
 <b>Debaquey forceps</b> Ø 5 mm bndl atraumatic, spring jaw sections with cross toothing, double-action	47 mm	8393.291	•		•		<b>83932917</b>
 <b>Dissector forceps mono</b> Ø 5 mm bndl angled, double-action	18 mm	8393192	•			•	<b>83931927</b>
		8394192		•		•	<b>83941927</b>
 <b>Grasping forceps, mono</b> Ø 5 mm bndl double-action	16 mm	8393193	•		•		<b>83931937</b>
		8394193		•	•		<b>83941937</b>
 <b>Dissector forceps mono</b> Ø 5 mm bndl double-action	24 mm	8393194	•			•	<b>83931947</b>
		8394194		•		•	<b>83941947</b>
 <b>Dissector forceps mono</b> Ø 5 mm bndl double-action	30 mm	8393197	•			•	<b>83931977</b>
		8394197		•		•	<b>83941977</b>
 <b>Dissector forceps mono</b> Ø 5 mm bndl fine tips double-action	33 mm	8393198	•			•	<b>83931987</b>
		8394198		•		•	<b>83941987</b>

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet BDE116/117

**ERAGON** modular  
Ø 5.0 MM, INSULATED

ERAGONMODULAR

4

		Handle, axial			
 All jaw inserts and sheath tubes can also be combined with ERAGONaxial					
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped	Complete instrument	
					<ul style="list-style-type: none"> <li>• Jaw insert with sheath tube</li> <li>• Handle</li> </ul>	
		SL 330 mm	SL 450 mm	with lock, with HF, mono		
	JL*	Product no.	8393933	8394933	83930074	Product no.
 Dissector forceps mono Ø 5 mm bndl 32 mm double-action		8393199	•		•	<b>83931997</b>
		8394199		•		•
 Dissector forceps mono Ø 5 mm bndl 19 mm fine tip, double-action		8393200	•		•	<b>83932007</b>
		8394200		•		•
 Atraumatic grasping forceps mono Ø 5 mm bndl 16 mm atraumatic, with cross toothing, double-action		8393210	•		•	<b>83932107</b>
 Atraumatic grasping forceps mono Ø 5 mm bndl 19mm atraumatic, with cross toothing, double-action		8393220	•		•	<b>83932207</b>
		8394220		•		•

\* JL = jaw length when jaw section closed (approximate measurements)  
 HF connection cable: see sheet BDE116/117

V1125 || subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

**ERAGON** modular  
Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
							
			SL 330 mm	SL 450 mm	with lock, without HF	with lock, with HF, mono	
	JL*	Product no.:	8393933	8394933	83930072	83930074	Product no.:
 <b>Atraumatic grasping forceps</b> Ø 5 mm bndl atraumatic, with pyramid-shaped tothing and cross tothing, double-action	29 mm	8393223	•		•		<b>83932237</b>
		8394223		•	•		<b>83942237</b>
 <b>Atraumatic grasping forceps</b> Ø 5 mm bndl atraumatic, single fenestrated with cross tothing, double-action	25 mm	8393250	•		•		<b>83932507</b>
		8394250		•	•		<b>83942507</b>
 <b>Atraumatic grasping forceps</b> Ø 5 mm bndl atraumatic, double fenestrated and curved single-action	32 mm	8393229	•		•		<b>83932297</b>
		8394229		•	•		<b>83942297</b>
 <b>Grasping forceps</b> Ø 5 mm bndl atraumatic, narrow and rounded, double-action	15 mm	8393230	•		•		<b>83932307</b>
		8394230		•	•		<b>83942307</b>
 <b>Dissector forceps</b> mono Ø 5 mm bndl curved, double-action	19 mm	8393240	•			•	<b>83932407</b>
		8394240		•		•	<b>83942407</b>
 <b>Dissector forceps</b> mono Ø 5 mm bndl single fenestrated double-action	17 mm	8393242	•		•		<b>83932427</b>
		8394242		•	•		<b>83942427</b>

\* JL = jaw length when jaw section closed (approximate measurements)  
 HF connection cable: see sheet BDE116/117

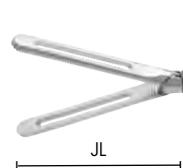
**ERAGON** modular

Ø 5.0 MM, INSULATED

ERAGONMODULAR

4

		Handle, axial			
 All jaw inserts and sheath tubes can also be combined with ERAGONaxial					
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
<b>Rotatable knob</b>	<b>Product no.</b>	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle	
							
	JL*	<b>Product no.</b>	SL 330 mm	SL 450 mm	with lock, without HF	with lock, with HF, mono	<b>Product no.</b>
 Intestine grasping forceps Ø 5 mm bndl atraumatic, single fenestrated with cross tooting, double-action	38 mm	8393249	•		•		<b>83932497</b>
		8394249		•	•		<b>83942497</b>
 Debakey forceps mono Ø 5 mm bndl curved, double-action	35 mm	8393256	•			•	<b>83932567</b>
		8393258	•			•	<b>83932587</b>
 Debakey forceps mono Ø 5 mm bndl double-action	47 mm	8394258		•		•	<b>83942587</b>

\* JL = jaw length when jaw section closed (approximate measurements)  
 HF connection cable: see sheet BDE116/117

**ERAGON** modular  
Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
						
			SL 330 mm	SL 450 mm	without lock, with HF, mono	
	JL*	Product no.	8393933	8394933	83930073	Product no.
 23 mm		8393.041	•		•	83930417
	curved, double-action	8394.041		•	•	83940417
 18 mm		8393.044	•		•	83930447
curved, double-action						
 20 mm		8393.045	•		•	83930457
narrow, straight, double-action						
 14 mm		8393.081	•		•	83930817
	serrated, single-action	8394.081		•	•	83940817
 21 mm		8393243	•		•	83932437
	double-action	8394243		•	•	83942437
 26 mm		8393246	•		•	83932467
	curved and toothed double-action	8394246		•	•	83942467

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet BDE116/117

**ERAGON** modular  
Ø 5.0 MM, INSULATED

ERAGONMODULAR

4

		Handle, axial			
 All jaw inserts and sheath tubes can also be combined with ERAGONaxial					
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
						
	JL*	SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	
	Product no.	8393933	8394933	83930072	83930073	Product no.
	22 mm	8393248	•		•	<b>83932487</b>
fine-toothed, fine tip double-action		8394248	•		•	<b>83942487</b>
	17 mm	8393.345	•	•		<b>83933457</b>
with distal recess, double-action		8394345	•	•		<b>83943457</b>
	47 mm	8393253	•	•		<b>83932537</b>
90° articulating with distal slot		8394253	•	•		<b>83942537</b>

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet BDE116/117

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter Ø 9 mm, length 64 mm	<b>163502</b>

VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

**ERAGON<sup>modu</sup> blades**  
 Ø 5.0 MM, INSULATED

		Handle, axial
 All jaw inserts and sheath tubes can also be combined with ERAGONaxial		 without lock, with HF connector
Rotatable knob	Product no.	83930083
	8988	•

Scissors attachment	Tension rod Ø 5.0 mm			Sheath tube insulated Ø 5.0 mm			Handle pistol-shaped	Complete instrument	
								• Jaw insert with sheath tube • Handle	
	for SL 260 mm	for SL 330 mm	for SL 450 mm	SL 240 mm	SL 310 mm	SL 430 mm	without lock, rotatable with HF connector		
	Product no.	8392934	8393934	8394934	8392935	8393935	8394935	83930073	Product no.
Metzenbaum scissors attachment mono	•			•			•	83920407	
 (PACK= 10 PCS), sterile, disposable	4393040		•		•		•	83930407	
			•			•	•	83940407	



HF connection cable: see sheet BDE116/117

VI25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

**ERAGON** modular

Ø 10 MM, UNINSULATED

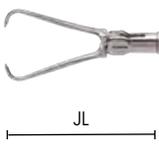
		Handle, axial	
<b>ERAGON</b> axial			
All jaw inserts and sheath tubes can also be combined with <b>ERAGON</b> axial		with lock, without HF connector	with lock, without HF connector, not rotatable
<b>Rotatable knob</b>	<b>Product no.</b>	83930082	83930085
	8988	.	.

Jaw insert		Sheath tube, Ø 10.0 mm, uninsulated		Handle, pistol-shaped	Complete instrument
					<ul style="list-style-type: none"> <li>• Jaw insert with sheath tube</li> <li>• Handle</li> </ul>
		SL 327 mm	SL 447 mm	with lock, without HF	
	<b>JL*</b>	<b>Product no.</b>	8395902	8396902	<b>Product no.</b>
	36 mm	8395.225	.	.	<b>83952257</b>
double-action		8396225	.	.	<b>83962257</b>
	35 mm	8395.226	.	.	<b>83952268</b>
angled, double-action		8396226	.	.	<b>83962267</b>
	20 mm	8395.236	.	.	<b>83952368</b>
Pike-mouth double-action		8396236	.	.	<b>83962367</b>
	49 mm	8395.204	.	.	<b>83952048</b>
2/3 jaws single-action		8396204	.	.	<b>83962047</b>

\* JL = jaw length when jaw section closed (approximate measurements)

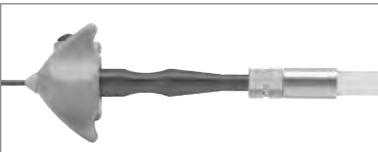
HF connection cable: see sheet BDE116/117

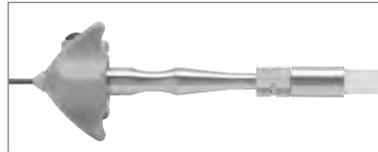
**ERAGON** modular  
Ø 10 MM, UNINSULATED

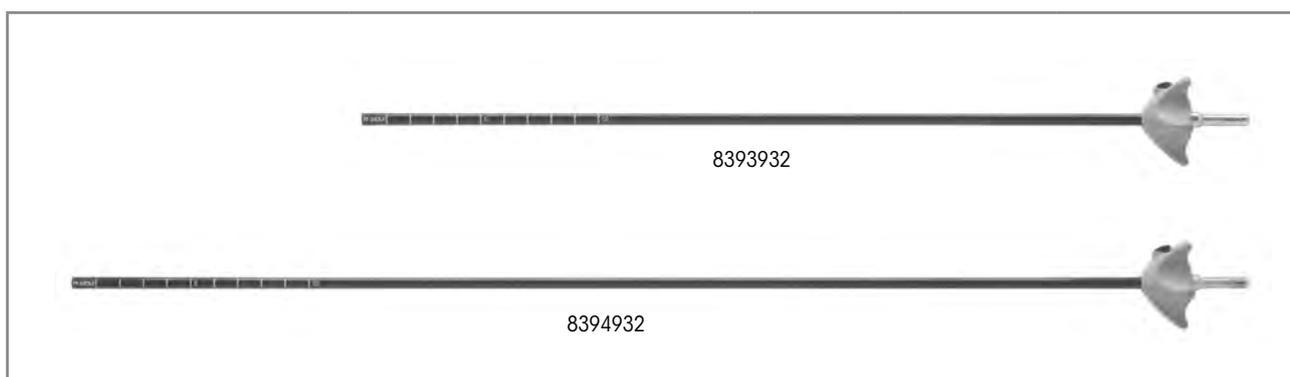
Jaw insert			Sheath tube, Ø 10.0 mm, uninsulated			Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
			SL 327 mm	SL 447 mm	SL 387 mm	with lock, without HF		
	JL*	Product no.	8395902	8396902	8397902	83930072	83930082	Product no.
 Claw grasping forceps Ø 10 mm bndl double-action	38 mm	8395.489	•			•		83954897
 Claw grasping forceps Ø 10 mm bndl with additional row of teeth, double-action	38 mm	8395490	•			•		83954907
 Babcock forceps Ø 10 mm bndl large distal gripping surface with fine cross toothing, double-action	42 mm	8395.187	•			•		83951877
		8396187		•		•		83961877
 Babcock forceps Ø 10 mm bndl double-action	38 mm	8395.214	•			•		83952148
 Plate-shaped grasping forceps Ø 10 mm bndl double-action	50 mm	8395.234	•			•		83952347
		8396234		•		•		83962347
 Spoon forceps Ø 10 mm bndl single-action	31 mm	8395.244	•			•		83952448
 Stapler head grasping forceps Ø 10 mm bndl angled 30°, double-action		8397.655			•		•	83976558

\* JL = jaw length when jaw section closed (approximate measurements)/HF connection cable: see sheet BDE116/117

**ERAGON** modular  
ACCESSORIES

For insulated sheath tubes		Product no.
	For manual and machine reprocessing:  <b>Irrigation adapter</b> Ø 9 mm, length 64 mm for insulated sheath tubes	<b>163502</b>
		

For uninsulated sheath tubes		Product no.
	For manual and machine reprocessing:  <b>Irrigation adapter cleaning</b> Ø 9 mm, length 64 mm for uninsulated sheath tubes	<b>163503</b>
		



		Ø	SL	Product no.
	<b>Sheath tube insulated Ø 5 mm SL 330 mm</b> with distal cm scale	5 mm	330 mm	<b>8393932</b>
	<b>Sheath tube insulated Ø 5 mm SL 450 mm</b> with distal cm scale	5 mm	450 mm	<b>8394932</b>

VII25 | Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

## HANDLE VARIANTS FOR MODULAR SYSTEMS

Handle, pistol-shaped 	rotatable	with lock	without lock	with HF	without HF	Product no.
	•	•			•	83930072
	•		•	•		83930073
	•	•		•		83930074

Handle, axial 	rotatable	with lock	without lock	with HF	without HF	Product no.
	•	•			•	83930082
	•		•	•		83930083
	•	•		•		83930084
		•			•	83930085

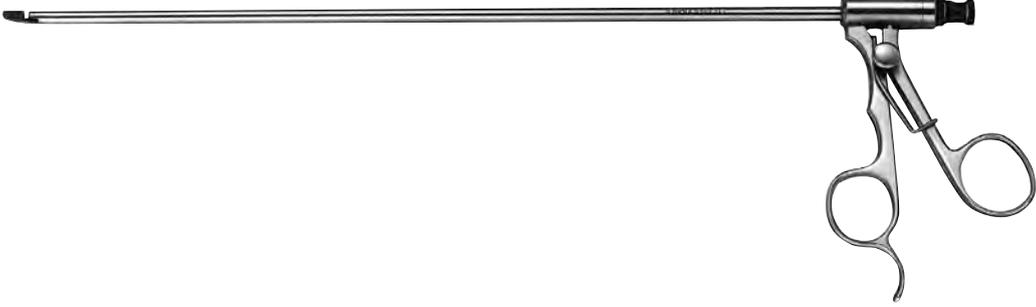
Optional for 83930082/83930083/83930084:		Product no.
 	Rotatable knob autoclavable	8988

All ERAGON<sup>modular</sup> components are compatible with ERAGON<sup>axial</sup>

# CHOLANGIOGRAPHY CATHETERGRASPING FORCEPS 5 MM

FORCEPS

5



		Outer Ø	WL	Product no.
	Grasping forceps Ø 5 mm WL 295 mm	5.0 mm	295 mm	<b>8383.311</b>

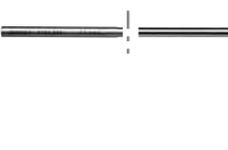
- For inserting a cholangiography catheter up to 7 Fr into the cystic duct

# BIPOLAR FORCEPS 3.5 MM/5.0 MM

WITH SPRING HANDLE  
MODULAR SYSTEM



Grasping forceps jaw insert			Outer tube Ø 3.5 mm SL 348 mm	Screw cap with sleeve Ø 5.0 mm SL 107 mm	Spring handle bipo	complete instrument • Jaw insert • Sliding sleeve • Outer tube • Spring handle
						
	JL*	Product no.	8391.921	8393.978	8393.975	Product no.
	39 mm	8391.715	•	•	•	<b>8391.742</b>

Kleppinger grasping forceps jaw insert			Sliding sleeve SL 319 mm	Outer tube Ø 5 mm SL 237 mm	Spring handle bipo	complete instrument • Jaw insert • Sliding sleeve • Outer tube • Spring handle
						
	JL*	Product no.	8393.923	8393.925	8393.975	Product no.
	53 mm	8393.714	•	•	•	<b>8393.741</b>

Accessories	Product no.
RIWO rubber cap, jet black	15220.019
Luer sealing cap	15023.153

\* JL = jaw length when jaw section closed (approximate measurements)  
Bipolar connection cable: see sheet BDE118/119

**ERAGON** bipolar  
**MODULAR BIPOLAR INSTRUMENTS, 5.5 MM**  
 ROTATABLE

ERAGONBIPOLAR

6

						
Jaw insert			Sheath tube Ø 5.5 mm		Handle, pistol-shaped, bipo	<b>Complete instrument</b> • Jaw insert • Sheath tube • Handle
						
			SL 320 mm	SL 435 mm	rotatable	
	JL*	Product no.	83930921	82340024	839300102	Product no.
	21 mm	83930031	•		•	<b>839300312</b>
		839400310			•	<b>839400312</b>
	23 mm	83930032	•		•	<b>839300322</b>
		839400320			•	<b>839400322</b>
	21 mm	83930033	•		•	<b>839300332</b>
		839400330			•	<b>839400332</b>
	23 mm	83930034	•		•	<b>839300342</b>
		839400340			•	<b>839400342</b>
	19 mm	83930035	•		•	<b>839300352</b>
		839400350			•	<b>839400352</b>

\* JL = jaw length when jaw section closed (approximate measurements)  
 Bipolar connection cable: see sheet BDE118/119

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**ERAGON** bipolar  
MODULAR BIPOLAR INSTRUMENTS, 5.5 MM,  
ROTATABLE

							
Jaw insert			Sheath tube Ø 5.5 mm		Handle, pistol-shaped, bipo		Complete instrument • Jaw insert • Sheath tube • Handle
							
			SL 320 mm	SL 435 mm	rotatable		
	JL*	Product no.	83930921	82340024	839300102		Product no.
	22 mm	83930037	•		•		839300372
<b>Münster grasping forceps bipo Ø 5.5 mm bndl</b>							
	15 mm	83930038	•		•		839300382
<b>Maryland dissector bipo Ø 5.5 mm bndl</b>							
	22 mm	83930041	•		•		839300412
<b>Metzenbaum scissors bipo Ø 5.5 mm bndl</b>							
		839400410		•	•		839400412

\* JL = jaw length when jaw section closed (approximate measurements)  
Bipolar connection cable: see sheet BDE118/119

# ELECTRODES 2.0 MM/3.5 MM

## MONOPOLAR



		Outer Ø	WL	Product no.
	Coagulation electrode mono 5 Fr WL 400 mm	1.67 mm	400 mm	<b>823.05</b>
	Coagulation electrode mono 6 Fr WL 400 mm	2.0 mm	400 mm	<b>823.06</b>



		Outer Ø	WL	Product no.
	Hook electrode mono Ø 3.5 mm WL 310 mm	3.5 mm	310 mm	<b>8379.452</b>
	Hook electrode mono Ø 3.5 mm WL 240 mm with distally extended insulation	3.5 mm	240 mm	<b>8785.642</b>
	Needle electrode mono Ø 3.5 mm WL 310 mm	3.5 mm	310 mm	<b>8379.482</b>
	Coagulation electrode mono Ø 3.5 mm WL 310 mm	3.5 mm	310 mm	<b>8379.462</b>

HF connection cable: see sheet BDE116/117

# ELECTRODES 5.0 MM

## MONOPOLAR



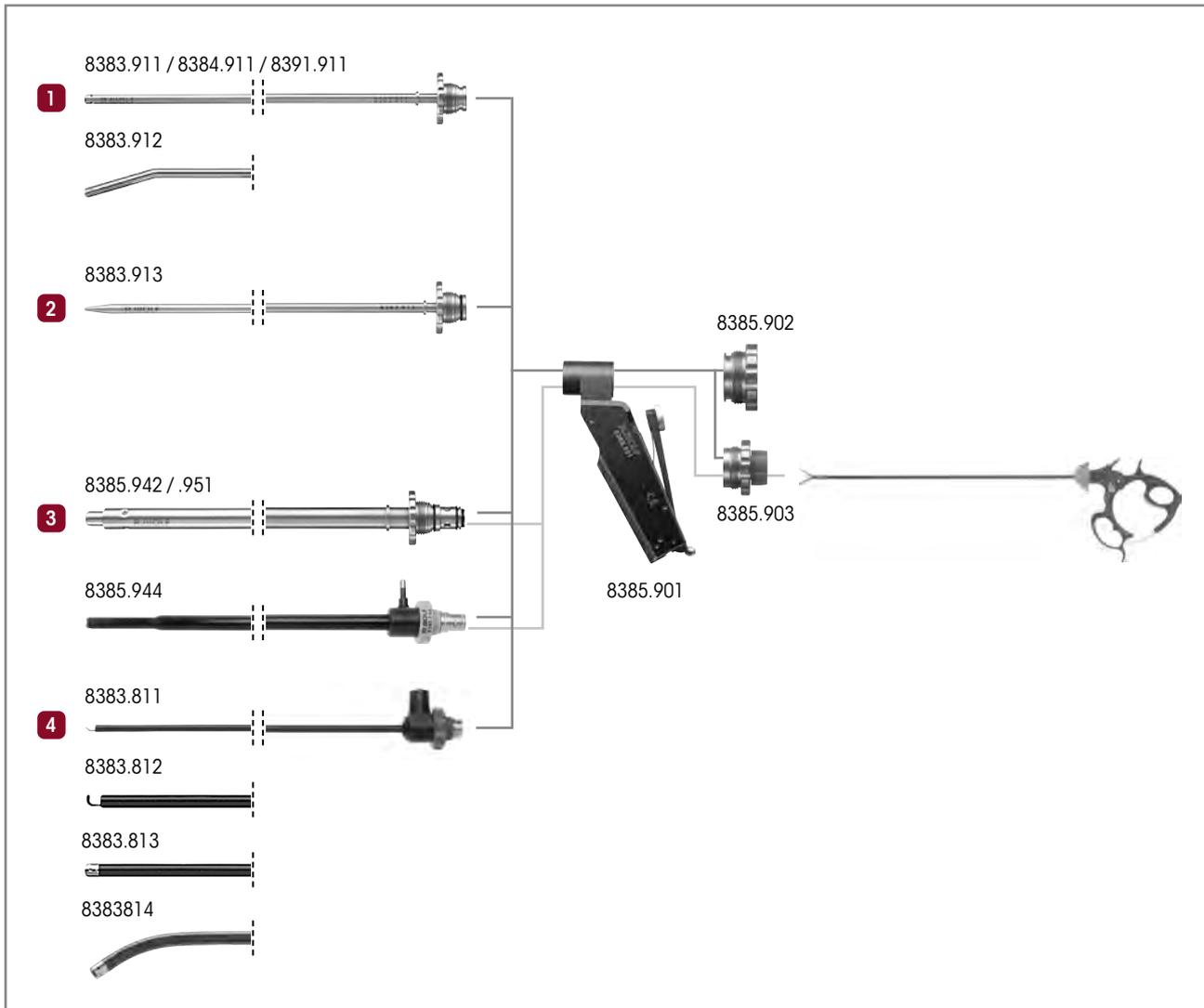
		Outer Ø	WL	Product no.
	Coagulation electrode mono Ø 5 mm WL 330 mm	5.0 mm	330 mm	<b>8383.40</b>
	Coagulation electrode mono Ø 5 mm WL 450 mm	5.0 mm	450 mm	<b>8384.40</b>



		Outer Ø	WL	Product no.
	Hook electrode mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	<b>8383.423</b>
	Hook electrode mono Ø 5 mm WL 420 mm		420 mm	<b>8384.423</b>
	Needle electrode mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	<b>8383.426</b>
	Spatula electrode mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	<b>8383.428</b>
	Myoma dissector mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	<b>8383429</b>

# MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

## COMBINATION OPTIONS



- 1 Suction or irrigation:**
- Suction irrigation tube Ø 5 mm WL 310 mm ..... 8383.911
  - Suction irrigation tube Ø 5 mm WL 450 mm ..... 8384.911
  - Suction irrigation tube Ø 3.5 mm WL 300 mm ..... 8391.911
  - Suction irrigation tube curved Ø 5 mm WL 310 mm... 8383.912
  - for this: **Sealing cap** ..... 8385.902

- 2 Blunt aquadissection:**
- Pressure irrigation tube Ø 5 mm WL 310 mm ..... 8383.913
  - for this: **Sealing cap** ..... 8385.902

- 3 Suction, irrigation, and use of auxiliary instruments Ø 5 mm:**
- Suction irrigation tube Ø 10 mm WL 225 mm ..... 8385.942
  - Suction irrigation tube Ø 10 mm WL 330 mm ..... 8385.951
  - Suction irrigation tube Ø mono 10 mm WL 330 mm, insulated, with atraumatic preparation tip ..... 8385.944
  - for this: **Sealing adapter** ..... 8385.903

- 4 Preparation of tissue with HF:**
- HF suction irrigation tube Ø 5.2 mm WL 317 mm** insulated with integrated HF spatula probe ..... 8383.811
  - HF suction irrigation tube Ø 5.2 mm WL 317 mm** insulated with integrated HF hook electrode ..... 8383.812
  - HF suction irrigation tube Ø 5.2 mm WL 317 mm** insulated with integrated HF button electrode ..... 8383.813
  - HF suction irrigation tube Ø 5.4 mm WL 380 mm** curved with distal openings, insulated with integrated HF button electrode ..... 8383.814
  - for this: **Sealing cap** ..... 8385.902

# MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

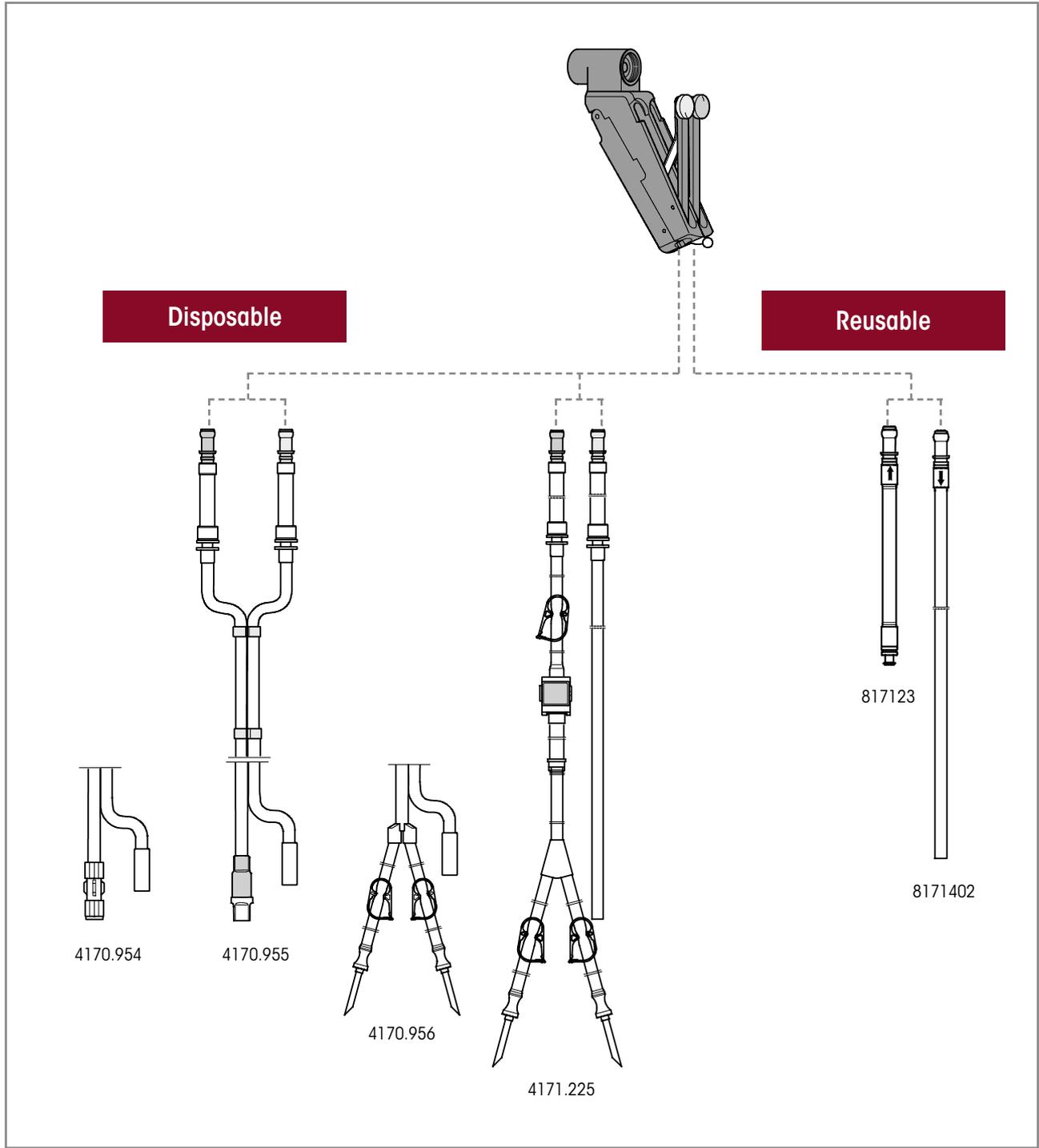
## SUCTION IRRIGATION HANDLE

 <p>8385.901</p> <p><b>AUTOGLAVE</b> <b>134° C / 273° F</b></p>	<p>8385.902</p> <p>8385.903</p>
Product no.	
<p><b>Suction irrigation handle</b></p>	<p><b>8385.901</b></p>
<p><b>Sealing cap</b></p>	<p><b>8385.902</b></p>
<p>Required to use auxiliary instruments Ø 5 mm: <b>Sealing attachment</b> with opening and membrane valve</p>	<p><b>8385.903</b></p>
<p>Spare <b>Sealing membrane Ø 17 mm</b> yellow, Ø 17 mm, PACK= 10 PCS, for instruments from 3 to 6 mm</p>	<p><b>89.103</b></p>

# MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

## SUCTION IRRIGATION TUBE SETS – ILLUSTRATION

MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM



**Suction irrigation tube sets** are used in conjunction with the suction irrigation handle 8385.901 and pump-side tube systems as well as corresponding collection and secretion containers and/or vacuum pumps.

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# MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

## SUCTION IRRIGATION TUBE SETS FOR SUCTION IRRIGATION HANDLE 8385.901

Disposable		Product no.
<b>Suction irrigation tube set, L 3 m</b>  (PACK= 10 PCS), sterile	<b>Irrigation tube:</b> With Luer-Lock, for connection to the irrigation tube of a suction irrigation tube set, e.g., irrigation tube of the Endo-Irrigator 2211 <b>Suction tube:</b> For connection to a collection or secretion container and/or vacuum pump	<b>4170.954</b>
<b>Suction irrigation tube set with care-lock, L 3 m</b>  (PACK= 10 PCS), sterile	<b>Irrigation tube:</b> With CARE-LOCK, for connection to an irrigation container <b>Suction tube:</b> For connection to a collection or secretion container and/or vacuum pump	<b>4170.955</b>
<b>Suction irrigation tube set with piercing spike, L 3 m</b>  (PACK= 10 PCS), sterile	<b>Irrigation tube:</b> With 2 piercing spikes, for connection to an irrigation container <b>Suction tube:</b> For connection to a collection or secretion container and/or vacuum pump	<b>4170.956</b>
<b>Suction irrigation tube set, L 3 m</b>  (PACK= 10 PCS), sterile	<b>Irrigation tube:</b> With 2 piercing spikes, for connection to an irrigation container, and Fluid Control Lap 2216 <b>Suction tube:</b> For connection to a collection or secretion container and/or vacuum pump  Also observe instruction manual GA-A 276	<b>4171.225</b>
<b>Secretion container, 2.5 l</b>	2.5 liters	<b>41706566</b>
<b>Tube set for suction (2 connections)</b>	sterile disposable product (PACK= 10 PCS), for connecting instruments to collecting container	<b>T0503-01</b>

Reusable		Product no.
<b>Irrigation tube L 1.2 m</b>	<b>Irrigation tube:</b> With Luer-Lockconnection for connection to the irrigation tube of a suction irrigation tube set, e.g., 8171223 or 8170.223	<b>817123</b>
<b>Suction tube L 3 m</b>	silicone, for suction irrigation handle 8385.901	<b>8171402</b>
<b>Secretion container, 2 l</b>	2 liters, without cover	<b>8170.6551</b>
<b>Cover</b>	for secretion trap 8170.6551, reusable	<b>8170.6552</b>

# MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

## SUCTION IRRIGATION TUBES

		Outer Ø	WL	Product no.
				
	Suction irrigation tube Ø 3.5 mm WL 300 mm	3.5 mm	300 mm	<b>8391.911</b>
	Suction irrigation tube Ø 5 mm WL 310 mm	5.0 mm	310 mm	<b>8383.911</b>
	Suction irrigation tube Ø 5 mm WL 450 mm	5.0 mm	450 mm	<b>8384.911</b>
	Suction irrigation tube curved Ø 5 mm WL 310 mm	5.0 mm	310 mm	<b>8383.912</b>
	Pressure irrigation tube Ø 5 mm WL 310 mm	5.0 mm	310 mm	<b>8383.913</b>

for use of 5 mm auxiliary instruments

		Outer Ø	WL	Product no.
				
	Suction irrigation tube Ø 10 mm WL 225 mm	10.0 mm	225 mm	<b>8385.942</b>
capacity 5.0 mm	Suction irrigation tube Ø 10 mm WL 330 mm	10.0 mm	330 mm	<b>8385.951</b>

		Outer Ø	WL	Product no.
				
	Suction irrigation tube mono Ø 10 mm WL 330 mm	10,0 mm	330 mm	<b>8385.944</b>
insulated, with atraumatic preparation tip				

for use of 5 mm auxiliary instruments		Product no.
	Sealing attachment with opening and membrane valve sealing membrane Ø 17 mm	<b>8385.903</b>

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# MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

## SUCTION IRRIGATION TUBES

				
		Outer Ø	WL	Product no.
 insulated with integrated HF spatula probe	<b>HF suction irrigation tube Ø 5.2 mm WL 317 mm</b>	5.2 mm	317 mm	<b>8383.811</b>
 insulated with integrated HF hook probe	<b>HF suction irrigation tube Ø 5.2 mm WL 317 mm</b>	5.2 mm	317 mm	<b>8383.812</b>
 insulated with integrated HF button electrode	<b>HF suction irrigation tube Ø 5.2 mm WL 317 mm</b>	5.2 mm	317 mm	<b>8383.813</b>
as alternative to suction irrigation handle:				
	<b>Suction irrigation adapter</b> with maintenance-free two-way stopcock, for multifunctional suction irrigation system			<b>8583819</b>

Accessories	Product no.
<b>HF connection cable</b>	See page BDE116/117

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# MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

## SUCTION IRRIGATION TUBES

MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

∞



		Outer Ø	WL	Product no.
	Suction tube OD 2.8 mm WL 450 mm	2.8 mm	450 mm	<b>8380.68</b>



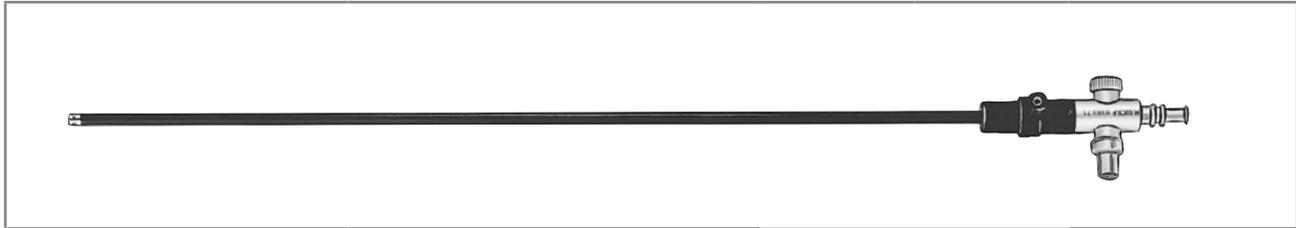
		Outer Ø	WL	Product no.
 with Luer connector	Suction irrigation tube Ø 4.7 mm WL 300 mm	4.7 mm	330 mm	<b>8383.72</b>



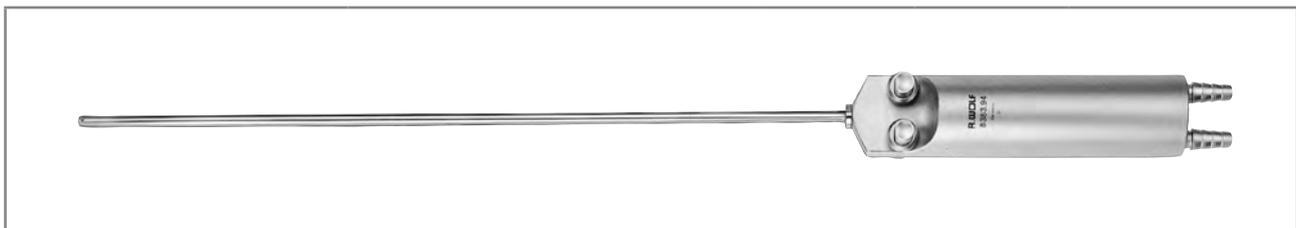
		Outer Ø	WL	Product no.
 graduated, with 3 mm Luer connector	Suction tube graduated Ø 5 mm WL 330 mm	5.0 mm	330 mm	<b>8383.68</b>

V1125 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

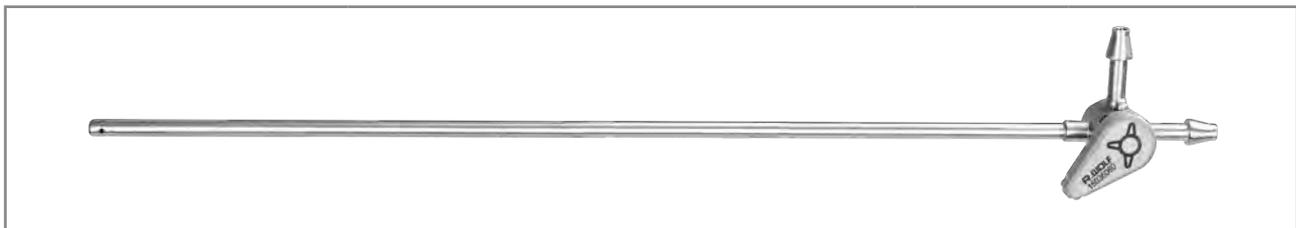
## ACCESSORIES FOR SUCTION AND IRRIGATION



		Outer Ø	WL	Product no.
with Luer connector and a valve	HF coagulation suction tube mono Ø 5 mm WL 315 mm	5.0 mm	315 mm	<b>8383.71</b>
	HF coagulation suction tube mono Ø 5 mm WL 450 mm	5.0 mm	450 mm	<b>8384.71</b>



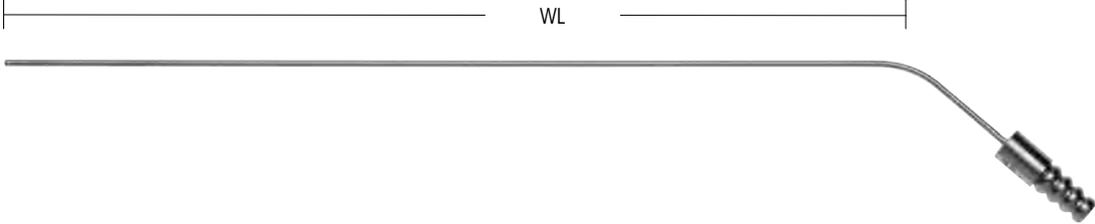
		Outer Ø	WL	Product no.
with stop valve	Suction irrigation tube Ø 5 mm WL 300 mm	5.0 mm	300 mm	<b>8383.94</b>



		Outer Ø	WL	Product no.
with maintenance-free two-way stop-cock, sheath tube, with distal openings, reusable	Suction irrigation tube WL 290 mm	5.0 mm	290 mm	<b>8583732</b>
	Suction irrigation tube WL 410 mm	5.0 mm	410 mm	<b>8584732</b>

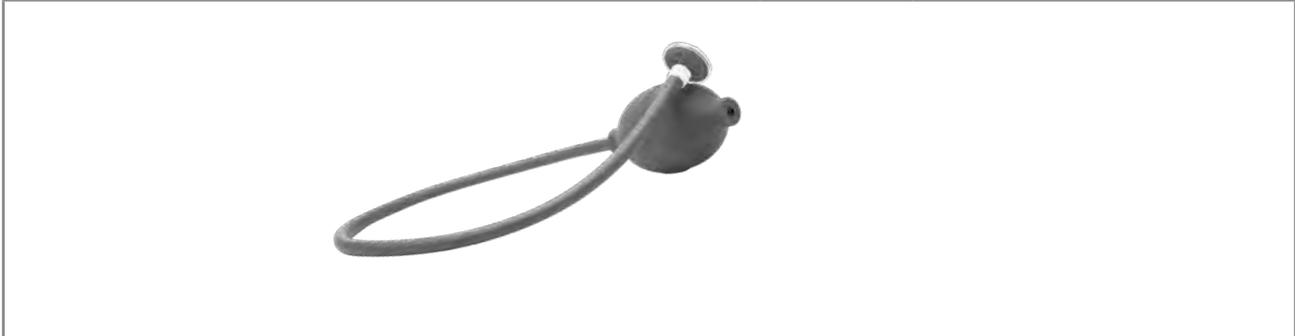
Accessories	Product no.
HF connection cable	See page BDE116/117

## ACCESSORIES FOR SUCTION AND IRRIGATION



		Outer Ø	WL	Product no.
 central, lateral openings, rigid	Suction tube OD 2 mm WL 250 mm	2.0 mm	250 mm	<b>8291.22</b>
	Suction tube OD 2.5 mm WL 250 mm	2.5 mm	250 mm	<b>8291.23</b>
	Suction tube OD 3 mm WL 250 mm	3.0 mm	250 mm	<b>8291.24</b>
	Suction tube OD 4 mm WL 500 mm	4.0 mm	500 mm	<b>8291.45</b>

# DISPOSABLE HAND BLOWER FOR SUCTION AND IRRIGATION



for air insufflation		Ø	TL	Product no.
	<p><b>Hand blower</b> with disposable filter, sterile (PACK= 5 PCS)</p>	49 mm	567 mm	<b>412700</b>

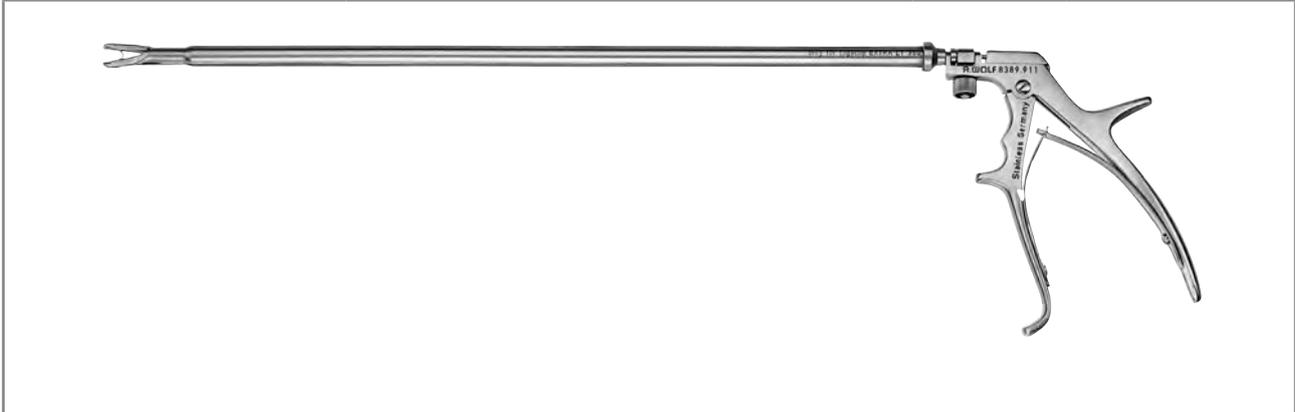
# TISSUE RETRACTOR 5 MM

				
		Outer Ø	WL	Product no.
	<p>tissue retractor Ø 5 mm WL 320 mm</p>	5.0 mm	320 mm	<b>8383.691</b>

Accessories	Product no.
Luer sealing cap	<b>887.00</b>

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# CLIP APPLICATOR 10 MM



		Outer Ø	WL	Product no.
	<b>Clip applicator Ø 10 mm WL 340 mm</b>	10 mm	340 mm	<b>8389.911</b>
<b>for this:</b>				<b>Product no.</b>
	<b>Introduction sleeve 10 mm WL 80 mm with sealing cap</b>			<b>8389.991</b>
For clip ligation with Ethicon® Ligaclip® EXTRA LT 300				
<b>Ethicon® Ligaclips® (PACK= 108 PCS)</b>				<b>8389.915</b>

Accessories	Product no.
Sealing cap capacity 9.5–10.1 mm	<b>89.08</b>

CLIP APPLICATOR 10

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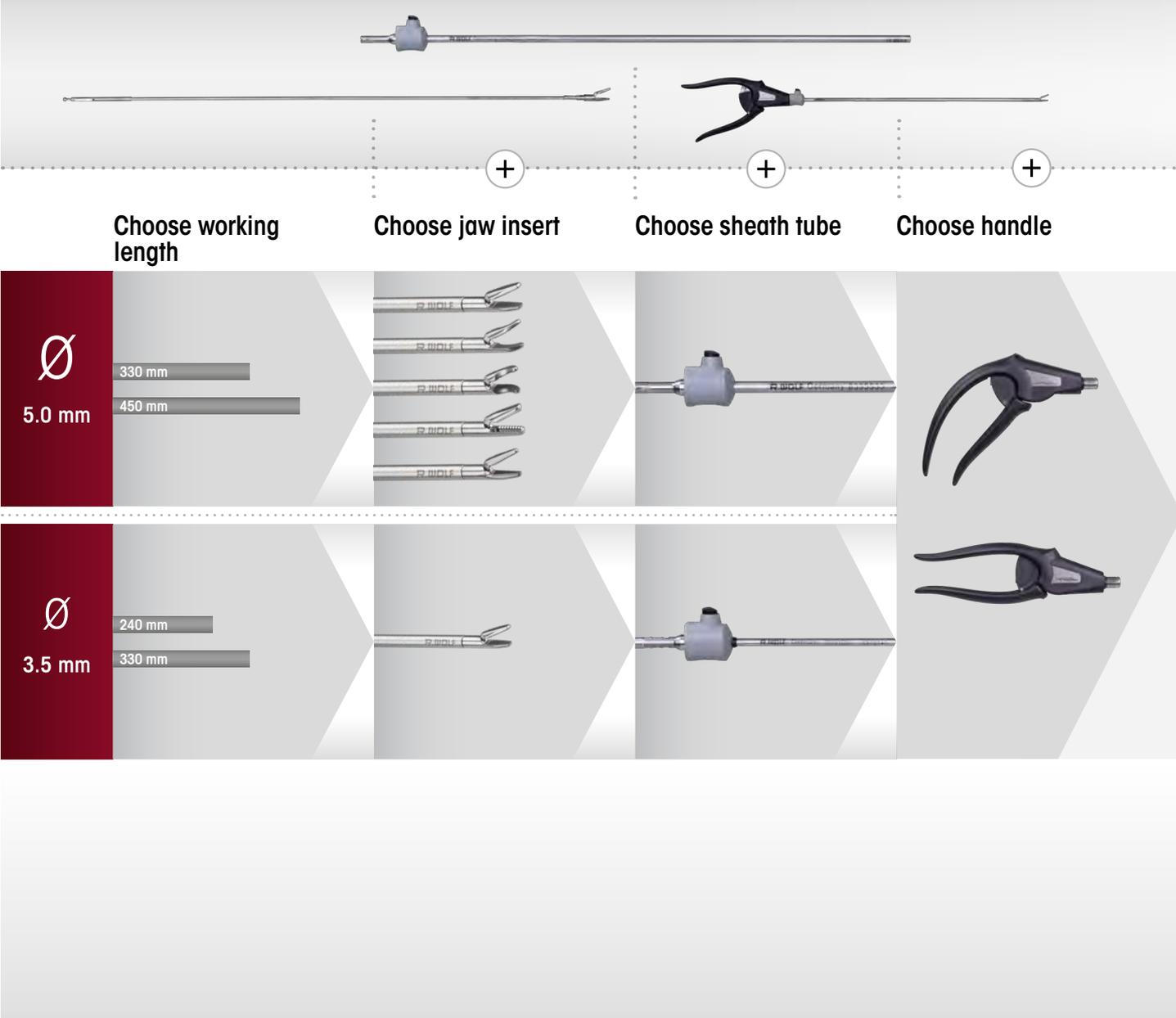
# ERAGON<sup>stitch</sup>

## THE ERGONOMIC GENERATION OF NEEDLE HOLDERS

Thanks to the custom combination options it offers, **ERAGON<sup>stitch</sup>** can accommodate any user requirement. The way in which it brings together ergonomics, versatility, modularity, and precision sets new standards in comfort

ERAGONSTITCH NEEDLE HOLDER

11



	Choose working length	Choose jaw insert	Choose sheath tube	Choose handle
<b>5.0 mm</b>	<ul style="list-style-type: none"> <li>330 mm</li> <li>450 mm</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> <li>Curved</li> <li>Hooked</li> <li>Hooked with teeth</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> <li>With stop</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> <li>With stop</li> </ul>
<b>3.5 mm</b>	<ul style="list-style-type: none"> <li>240 mm</li> <li>330 mm</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> <li>With stop</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> <li>With stop</li> </ul>

**ERAGONstitch needle holders**



**ERAGON***stitch*  
NEEDLE HOLDER Ø 3.5 MM



Needle holder jaw insert			Sheath tube, Ø 3.5 mm		Needle holder handle		Complete instrument • Jaw insert • Sheath tube • Handle
							
							SL 240 mm
					Axial	Angled	
	JL*	Product no.	8390533	8391533	8393943	8393944	Product no.
	12 mm	8391505	•		•		<b>83915053</b>
			•		•	•	<b>83915054</b>
straight with carbide insert single-action		8391506		•	•		<b>83915063</b>
				•		•	<b>83915064</b>

\* JL = jaw length when jaw section closed (approximate measurements)

Accessories for manual and machine reprocessing	Product no.
	<b>Irrigation adapter cleaning</b> Ø 9 mm, length 64 mm for uninsulated sheath tubes  <b>163503</b>

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**ERAGON** *stitch*  
NEEDLE HOLDER Ø 5.0 MM

Needle holder jaw insert			Sheath tube, Ø 5.0 mm		Needle holder handle		Complete instrument • Jaw insert • Sheath tube • Handle	
								
	JL*	Product no.	8393533	8394533	8393943	8393944	Product no.	
	19 mm	8393507	•		•		83935073	
			•			•	83935074	
straight with carbide insert single-action	19 mm	8394507		•	•		83945073	
				•		•	83945074	
	19 mm	8393508	•		•		83935083	
			•			•	83935084	
straight and narrow with carbide insert single-action	19 mm	8394508		•	•		83945083	
				•		•	83945084	
	19 mm	8393509	•		•		83935093	
			•			•	83935094	
straight, with self-righting function single-action	19 mm	8394509		•	•		83945093	
				•		•	83945094	

\* JL = jaw length when jaw section closed (approximate measurements)

Accessories for manual and machine reprocessing		Product no.
	<b>Irrigation adapter cleaning</b> Ø 9 mm, length 64 mm for uninsulated sheath tubes	<b>163503</b>

**ERAGON** *stitch*  
NEEDLE HOLDER Ø 5.0 MM

Needle holder jaw insert			Sheath tube, Ø 5.0 mm		Needle holder handle		Complete instrument • Jaw insert • Sheath tube • Handle
							
	JL*	Product no.	8393533	8394533	Axial 8393943	Angled 8393944	Product no.
	19 mm	Needle holder Ø 5 mm bndl	•		•		<b>83935183</b>
			•			•	<b>83935184</b>
curved right with carbide insert single-action	19 mm	8393518		•	•		<b>83945183</b>
		8394518		•		•	<b>83945184</b>
	19 mm	Needle holder Ø 5 mm bndl	•		•		<b>83935193</b>
			•			•	<b>83935194</b>
Curved left with carbide insert single-action	19 mm	8393519		•	•		<b>83945193</b>
		8394519		•		•	<b>83945194</b>

Accessories for manual and machine reprocessing	Product no.
 Irrigation adapter cleaning Ø 9 mm, length 64 mm for uninsulated sheath tubes	<b>163503</b>

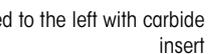
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ERAGONSTITCH NEEDLE HOLDER

11

# NEEDLE HOLDER Ø 3.5 MM/5 MM

## MODULAR SYSTEM

					
<b>Needle holder jaw insert with sheath</b>				<b>Needle holder handle, axial</b>	
					
				single-action locking mechanism, can be disabled	
	Product no.	Ø	SL	8393.941	Product no.
<b>Needle holder Ø 3.5 mm bndl</b>					
with carbide insert					
8391504	3.5 mm	340 mm	• <b>8391.501</b>		
<b>Needle holder Ø 5 mm bndl</b>					
for straight needles					
8393504	5 mm	340 mm	• <b>8393.501</b>		
<b>Needle holder Ø 5 mm bndl</b>					
with carbide insert					
8393505	5 mm	340 mm	• <b>8393.502</b>		
<b>Needle holder Ø 5 mm bndl</b>					
curved to the right with carbide insert					
8394505	5 mm	430 mm	• <b>8394.502</b>		
<b>Needle holder Ø 5 mm bndl</b>					
curved to the left with carbide insert					
8393514	5 mm	340 mm	• <b>8393.511</b>		
<b>Needle holder Ø 5 mm bndl</b>					
curved to the left with carbide insert					
8394514	5 mm	430 mm	• <b>8394.511</b>		
<b>Needle holder Ø 5 mm bndl</b>					
curved to the left with carbide insert					
8393515	5 mm	340 mm	• <b>8393.512</b>		
<b>Sarbu needle holder Ø 5 mm bndl</b>					
8393506					
8394506	5 mm	430 mm	• <b>8394.503*</b>		

\* with automatic needle placement apparatus and cutting edge

# NEEDLE HOLDER HANDLE

Needle holder handle, axial	not rotatable	with lock	without HF	Product no.
	•	•	•	<b>8393.941</b>

Needle holder handle <small>ERAGON</small> <sup>stretch</sup>	axial	angled	with on-off detent mechanism	single-action	Not rotatable	Product no.
	•		•	•	•	<b>8393943</b>
		•	•	•	•	<b>8393944</b>

VII25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

**ERAGON** modular

**MODULAR KNOT PUSHER Ø 5.0 MM, INSULATED**

		Handle, axial			
 All jaw inserts and sheath tubes can also be combined with <b>ERAGONaxial</b>					
		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
<b>Rotatable knob</b>	<b>Product no.</b>	83930082	83930083	83930084	83930085
	8988	•	•	•	•

Jaw insert		Sheath tube, Ø 5.0 mm, insulated		Handle	Complete instrument • Jaw insert with sheath tube • Handle
 					
	JL*	SL 330 mm	SL 450 mm	with lock, without HF	<b>Product no.</b>
		8393933	8394933	83930072	
<b>Knot pusher Ø 5 mm bndl</b>		•		•	<b>83933457</b>
	17 mm		•	•	<b>83943457</b>
with distal recess, double-action					

\* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see sheet BDE116/117

**KNOT PUSHER 5 MM**  
FOR ENDOSCOPIC SUTURING



		Outer Ø	WL	TL	Product no.
	<b>Knot pusher Ø 3.7 mm WL 330 mm</b> for intraabdominal knots	3.7 mm	330 mm	380 mm	<b>8383.55</b>
	<b>Knot pusher Ø 3.7 mm WL 330 mm</b> for extracorporeal knots	3.7 mm	330 mm	380 mm	<b>8383.551</b>



		Outer Ø	WL	TL	Product no.
	<b>Knot pusher Ø 5 mm WL 330 mm</b> as per Bueß with distal notch and lateral opening for optimum knotting, extremely atraumatic tip for use as a surgical probe	5.0 mm	330 mm	380 mm	<b>8383.552</b>

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# Endoscopically controlled fascia closure system AS PER BUSCHE



				Product no.
 for subcutaneous fascia suture	Sealing cone Ø 10–12 mm			8934.915
	Sealing cone Ø 12–15 mm			8943.915
	Sealing cone Ø 15–20 mm			8945.915
		Ø	WL	Product no.
 Needle forceps with active suture holder	Needle forceps Ø 2.0 mm WL 160 mm	2.0 mm	160 mm	8756.201

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## CANNULAS 3.0 MM/4.7 MM

				
with Luer connector		Outer Ø	WL	Product no.
 Tip Ø 1.4 mm	Injection cannula Ø 3 mm WL 340 mm	3.0 mm	340 mm	<b>8379.732</b>

				
with 3 mm Luer connector		Ø	WL	Product no.
 Tip Ø 1.8 mm	Injection cannula Ø 4.7 mm WL 350 mm	4.7 mm	350 mm	<b>8383.65</b>

for this:		WL	Product no.
	<p><b>Introduction sleeve size 5.5 mm WL 45 mm</b></p> <p>This sleeve prevents damage to the cannula tip when the trocar sleeve valve is opened</p>	45 mm	<b>8383.00</b>

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# SURGICAL PROBES



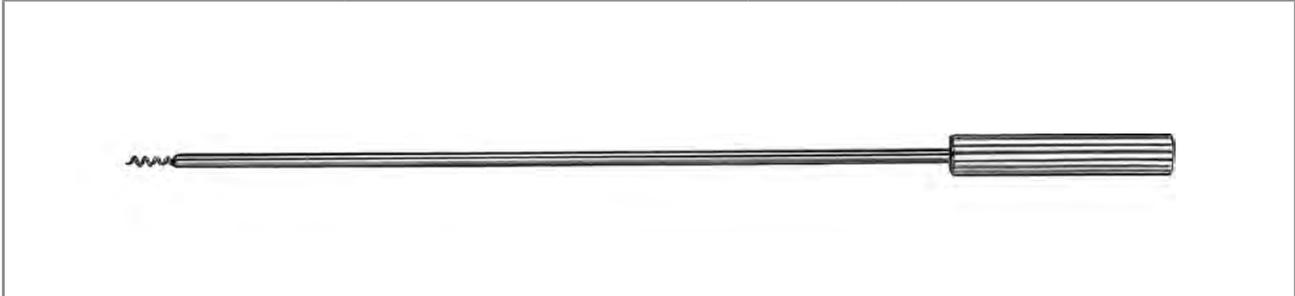
		Ø	WL	Product no.
	<b>Surgical probe 3.5 mm WL 350 mm graduated</b>	3.5 mm	350 mm	<b>8379.672</b>



		Ø	WL	Product no.
	<b>Surgical probe Ø 5 mm WL 328 mm graduated</b>	5.0 mm	328 mm	<b>8383.66</b>
	<b>Surgical probe Ø 5 mm WL 448 mm graduated</b>	5.0 mm	448 mm	<b>8384.66</b>

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# MYOMA DRILL 5 MM/10 MM



		Ø	WL	Product no.
	Myoma drill Ø 5 mm WL 320 mm	5 mm	320 mm	<b>8383.611</b>
	Myoma drill Ø 10 mm	10 mm	340 mm	<b>8385.301</b>

# INSUFFLATOR HIGHFLOW 45 BASIC



		Product no.
<b>Insufflator 45 BASIC bndl</b> consisting of: Insufflator 45 BASIC FR 45 l/min (2235001) and power cable 3 m long (2440.03)		<b>22350012</b>
<b>Accessories: Tube sets for insufflation</b>		
<b>Insufflation set</b> , insufflation tube with integrated hygiene filter, disposable, (PACK= 10 PCS) in individual sterile packaging		<b>2200/48BIKBTUA123</b>
<b>Insufflation tube set L 2.5 m</b> , High Flow, D = 8 mm, autoclavable		<b>8170.232</b>
<b>Insufflation tube set L 2.5 m</b> , autoclavable		<b>8170.101</b>
<b>Insufflation filter</b> (PACK= 50 PCS)		<b>6421/04BAUA0010001</b>
<b>Accessories for gas supply CO<sub>2</sub> bottle</b>		
<b>Qualityreg CO<sub>2</sub></b> , Inlet pressure connection DIN ISO 477-6 outlet connection NIST, pressure gauge Flow meter	DIN ISO 477-6	<b>DM-DIN6-MS-NISTCO2</b>
<b>Qualityreg CO<sub>2</sub></b> , Inlet connection DIN EN ISO 407 PIN INDEX, outlet connection NIST ,pressure gauge Flow meter	DIN EN ISO 407 PIN INDEX	<b>DM-PIN-MS-NIST-CO2</b>
<b>Qualityreg CO<sub>2</sub></b> , Inlet connection ISO 5145 outlet connection NIST, pressure gauge Flow meter	ISO 5145	<b>DM-ISO-MS-NIST-CO2</b>
with		
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 1.5 m long		<b>DINCO2NIST-NIST1.5</b>
<b>Optional for faster CO<sub>2</sub> bottle changes</b>		
<b>Quick plug adapter NIST</b> , (2 pieces recommended) DIN with safety chain, adapter NIST / coupling with chain and ring		<b>DM-AD-CO2NISTDINKU</b>
<b>Connection hose DIN, CO<sub>2</sub></b> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)		<b>DIN-CO2-ZGVNIST1.5</b>
<b>ZGV connection</b>		
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 5 m long, DIN for centralized CO <sub>2</sub> gas supply (Dräger)		<b>RW-CO2-ZGV-NIST5.0</b>
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 5 m long, NF for centralized CO <sub>2</sub> gas supply (Liquid Air)		<b>NF-CO2-ZGV-NIST5.0</b>
<b>Connection hose DIN, CO<sub>2</sub></b> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)		<b>DIN-CO2-ZGVNIST1.5</b>
<b>Software modules (optional)</b>		
<b>Software module CAN bus</b> CAN bus interface for integration in CORE		<b>2235101</b>
<b>Software module BABY MODE</b> BABY MODE for special use in pediatrics		<b>2235102</b>
<b>Software module VIDEO DISPLAY</b> : video display using DIALOG via CAN bus		<b>2235103</b>

# TECHNICAL DATA

## INSUFFLATOR HIGHFLOW 45 BASIC

Insufflator 45 BASIC		2235001
<b>Device properties</b>		
Operating mode	Continuous operation	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
<b>Power supply</b>		
Mains + frequency	100–240 V~, 50/60 Hz	
Power consumption	60 VA	
Current rating	0.6–0.2 A	
Fuse	T 3.15 AH 250 V	
<b>Regulatory standards</b>		
Protection class to IEC/EN 60601-1 (UL 60601-1/CSA C222 No6011 – for USA)	I	
Electromagnetic compatibility (EMC)	IEC/EN 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIb	
Protection against electric shock	Type CF applied part	
Degree of protection against the ingress of liquids	IP 20 (not protected)	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight	8.9 kg (19.5 lbs)	
Dimensions (W x H x D)	300 mm x 160 mm x 455 mm	

Relevant application parameters	
Insufflation medium	Medical-grade CO <sub>2</sub> (degree of purity > 99.5%)
Intraabdominal pressure	3 mmHg to 25 mmHg (± 2 mmHg) selectable in increments of 1 mmHg
Gas flow rate primary filling	1 l/min (± 50%)
Gas flow rate, High Flow	2 l/min to 45 l/min (± 20%) selectable in increments of 1 l/min
Consumption indicator	0 l to 9,999 l (± 20%)

# INSUFFLATOR HIGHFLOW 45 EVAC WITH SMOKE GAS EVACUATION



		Product no.
<b>Insufflator 45 EVAC bndI</b> consisting of: Insufflator 45 EVAC FR 45 l/min (2235011), power cable, 3 m long (2440.03) and footswitch with 1 pedal (20301031)		<b>22350112</b>
<b>Accessories: Tube sets for insufflation and smoke gas evacuation</b>		
<b>Insufflation set</b> , insufflation tube with integrated hygiene filter, disposable, (PACK= 10 PCS) in individual sterile packaging		<b>2200/48BIKBTUA123</b>
<b>Insufflation tube set L 2.5 m</b> , High Flow, D = 8 mm, autoclavable		<b>8170.232</b>
<b>Insufflation tube set L 2.5 m</b> , autoclavable		<b>8170.101</b>
<b>Insufflation filter</b> (PACK= 50 PCS)		<b>6421/04BAUA0010001</b>
<b>Smoke gas evacuation tube set</b> , steril, sterile, for single use (PACK= 10 PCS)		<b>2200/72BTUA1230001</b>
<b>Accessories for gas supply CO<sub>2</sub> bottle</b>		
<b>Qualityreg CO<sub>2</sub></b> , Inlet pressure connection DIN ISO 477-6 outlet connection NIST, pressure gauge Flow meter	DIN ISO 477-6	<b>DM-DIN6-MS-NISTCO2</b>
<b>Qualityreg CO<sub>2</sub></b> , Inlet connection DIN EN ISO 407 PIN INDEX, outlet connection NIST, pressure gauge Flow meter	DIN EN ISO 407 PIN INDEX	<b>DM-PIN-MS-NIST-CO2</b>
<b>Qualityreg CO<sub>2</sub></b> , Inlet connection ISO 5145 outlet connection NIST, pressure gauge Flow meter	ISO 5145	<b>DM-ISO-MS-NIST-CO2</b>
with		
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 1.5 m long		<b>DINCO2NIST-NIST1.5</b>
<b>Optional for faster CO<sub>2</sub> bottle changes</b>		
<b>Quick plug adapter NIST</b> , (2 pieces recommended) DIN with safety chain, adapter NIST / coupling with chain and ring		<b>DM-AD-CO2NISTDINKU</b>
<b>Connection hose DIN, CO<sub>2</sub></b> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)		<b>DIN-CO2-ZGVNIST1.5</b>
<b>ZGV connection</b>		
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 5 m long, DIN for centralized CO <sub>2</sub> gas supply (Dräger)		<b>RW-CO2-ZGV-NIST5.0</b>
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 5 m long, NF for centralized CO <sub>2</sub> gas supply (Liquid Air)		<b>NF-CO2-ZGV-NIST5.0</b>
<b>Connection hose DIN, CO<sub>2</sub></b> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)		<b>DIN-CO2-ZGVNIST1.5</b>
<b>Software modules (optional)</b>		
<b>Software module CAN bus</b> CAN bus interface for integration in CORE		<b>2235101</b>
<b>Software module BABY MODE</b> BABY MODE for special use in pediatrics		<b>2235102</b>
<b>Software module VIDEO DISPLAY</b> : video display using DIALOG via CAN bus		<b>2235103</b>

# TECHNICAL DATA

## INSUFFLATOR HIGHFLOW 45 EVAC

Insufflator 45 EVAC		2235011
<b>Device properties</b>		
Operating mode	Continuous operation	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
<b>Power supply</b>		
Mains + frequency	100–240 V~, 50/60 Hz	
Power consumption	60 VA	
Current rating	0.6–0.2 A	
Fuse	T 3.15 AH 250 V	
<b>Regulatory standards</b>		
Protection class to IEC/EN 60601-1 (UL 60601-1/CSA C222 No6011 – for USA)	I	
Electromagnetic compatibility (EMC)	IEC/EN 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIb	
Protection against electric shock	Type CF applied part	
Degree of protection against the ingress of liquids	IP 20 (not protected)	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight	8.9 kg (19.5 lbs)	
Dimensions (W x H x D)	300 mm x 160 mm x 455 mm	

Relevant application parameters	
Insufflation medium	Medical-grade CO <sub>2</sub> (degree of purity > 99.5%)
Intraabdominal pressure	3 mmHg to 25 mmHg (± 2 mmHg) selectable in increments of 1 mmHg
Gas flow rate primary filling	1 l/min (± 50%)
Gas flow rate, High Flow	2 l/min to 45 l/min (± 20%) selectable in increments of 1 l/min
Consumption indicator	0 l to 9,999 l (± 20%)

# INSUFFLATOR HIGHFLOW 45 HEAT WITH GAS HEATING



		Product no.
<b>Insufflator 45 HEAT bndl</b> consisting of: Insufflator 45 HEAT FR 45 L/min(2235021) and power cable, 3 m long (2440.03)		<b>22350212</b>
<b>Accessories: Tube sets for insufflation with heating</b>		
<b>Insufflation tube set L 3m</b> high-flow with heating coil and integrated hygiene filter, (PACK=10 PCS), sterile, for single use		<b>4170502</b>
<b>Insufflation tube for 2235021/031 L 3m</b> , high-flow with heating coil, autoclavable Up to 100 uses are possible with the reusable hose.		<b>8170202</b>
<b>Insufflation filter</b> (PACK= 50 PCS)		<b>6421/04BAUA0010001</b>
<b>Accessories for gas supply CO<sub>2</sub> bottle</b>		
<b>Qualityreg CO<sub>2</sub></b> , Inlet pressure connection DIN ISO 477-6 outlet connection NIST, pressure gauge Flow meter	DIN ISO 477-6	<b>DM-DIN6-MS-NISTCO2</b>
<b>Qualityreg CO<sub>2</sub></b> , Inlet connection DIN EN ISO 407 PIN INDEX, outlet connection NIST ,pressure gauge Flow meter	DIN EN ISO 407 PIN INDEX	<b>DM-PIN-MS-NIST-CO2</b>
<b>Qualityreg CO<sub>2</sub></b> , Inlet connection ISO 5145 outlet connection NIST, pressure gauge Flow meter	ISO 5145	<b>DM-ISO-MS-NIST-CO2</b>
with		
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 1.5 m long		<b>DINCO2NIST-NIST1.5</b>
<b>Optional for faster CO<sub>2</sub> bottle changes</b>		
<b>Quick plug adapter NIST</b> , (2 pieces recommended) DIN with safety chain, adapter NIST / coupling with chain and ring		<b>DM-AD-CO2NISTDINKU</b>
<b>Connection hose DIN, CO<sub>2</sub></b> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)		<b>DIN-CO2-ZGVNIST1.5</b>
<b>ZGV connection</b>		
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 5 m long, DIN for centralized CO <sub>2</sub> gas supply (Dräger)		<b>RW-CO2-ZGV-NIST5.0</b>
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 5 m long, NF for centralized CO <sub>2</sub> gas supply (Liquid Air)		<b>NF-CO2-ZGV-NIST5.0</b>
<b>Connection hose DIN, CO<sub>2</sub></b> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)		<b>DIN-CO2-ZGVNIST1.5</b>
<b>Software modules (optional)</b>		
<b>Software module CAN bus</b> CAN bus interface for integration in CORE		<b>2235101</b>
<b>Software module BABY MODE</b> BABY MODE for special use in pediatrics		<b>2235102</b>
<b>Software module VIDEO DISPLAY:</b> video display using DIALOG via CAN bus		<b>2235103</b>

# TECHNICAL DATA

## INSUFFLATOR HIGHFLOW 45 HEAT

Insufflator 45 HEAT		2235021
<b>Device properties</b>		
Operating mode	Continuous operation	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
<b>Power supply</b>		
Mains + frequency	100–127/220–240 V~, 50/60 Hz	
Power consumption	80 VA	
Current rating	0.8–0.3 A	
Fuse	T 3.15 AH 250 V	
<b>Regulatory standards</b>		
Protection class to IEC/EN 60601-1 (UL 60601-1/CSA C222 No6011 – for USA)	I	
Electromagnetic compatibility (EMC)	IEC/EN 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIb	
Protection against electric shock	Type CF applied part	
Degree of protection against the ingress of liquids	IP 20 (not protected)	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight	11.0 kg (23.3 lbs)	
Dimensions (W x H x D)	300 mm x 160 mm x 455 mm	
<b>Relevant application parameters</b>		
Insufflation medium	Medical-grade CO <sub>2</sub> (degree of purity > 99.5%)	
Intraabdominal pressure	3 mmHg to 25 mmHg (± 2 mmHg) selectable in increments of 1 mmHg	
Gas flow rate primary filling	1 l/min (± 50%)	
Gas flow rate, High Flow	2 l/min to 45 l/min (± 20%) selectable in increments of 1 l/min	
Consumption indicator	0 l to 9,999 l (± 20%)	

# INSUFFLATOR HIGHFLOW 45 EVAC + HEAT

## WITH SMOKE GAS EVACUATION AND GAS HEATING



		Artikel-Nr.
<b>Insufflator 45 EVAC + HEAT bndI</b>		<b>22350312</b>
consisting of: Insufflator 45 EVAC + HEAT FR 45 l/min(2235031), power cable, 3 m long (2440.03) and footswitch with 1 pedal (20301031)		
<b>Accessories: Tube sets for insufflation with heating and smoke gas evacuation</b>		
<b>Insufflation tube set L 3m</b> high-flow with heating coil and integrated hygiene filter, (PACK=10 PCS), sterile, for single use		<b>4170502</b>
<b>Insufflation tube for 2235021/031 L 3m</b> , high-flow with heating coil, autoclavable Up to 100 uses are possible with the reusable hose.		<b>8170202</b>
<b>Insufflation filter</b> (PACK= 50 PCS)		<b>6421/04BAUA0010001</b>
<b>Smoke gas evacuation tube set</b> , steril, sterile, for single use (PACK= 10 PCS)		<b>2200/72BTUA1230001</b>
<b>Accessories for gas supply CO<sub>2</sub> bottle</b>		
<b>Qualityreg CO<sub>2</sub></b> , Inlet pressure connection DIN ISO 477-6 outlet connection NIST, pressure gauge Flow meter	DIN ISO 477-6	<b>DM-DIN6-MS-NISTCO2</b>
<b>Qualityreg CO<sub>2</sub></b> , Inlet connection DIN EN ISO 407 PIN INDEX, outlet connection NIST ,pressure gauge Flow meter	DIN EN ISO 407 PIN INDEX	<b>DM-PIN-MS-NIST-CO2</b>
<b>Qualityreg CO<sub>2</sub></b> , Inlet connection ISO 5145 outlet connection NIST, pressure gauge Flow meter	ISO 5145	<b>DM-ISO-MS-NIST-CO2</b>
with		
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 1.5 m long		<b>DINCO2NIST-NIST1.5</b>
<b>Optional for faster CO<sub>2</sub> bottle changes</b>		
<b>Quick plug adapter NIST</b> , (2 pieces recommended) DIN with safety chain, adapter NIST / coupling with chain and ring		<b>DM-AD-CO2NISTDINKU</b>
<b>Connection hose DIN, CO<sub>2</sub></b> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)		<b>DIN-CO2-ZGVNIST1.5</b>
<b>ZGV connection</b>		
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 5 m long, DIN for centralized CO <sub>2</sub> gas supply (Dräger)		<b>RW-CO2-ZGV-NIST5.0</b>
<b>Connection hose, quality CONNECT</b> , CO <sub>2</sub> 5 m long, NF for centralized CO <sub>2</sub> gas supply (Liquid Air)		<b>NF-CO2-ZGV-NIST5.0</b>
<b>Connection hose DIN, CO<sub>2</sub></b> , ZGV plug to NIST fitting, ISO-colored, 1.5 m long (Ceiling light)		<b>DIN-CO2-ZGVNIST1.5</b>
<b>Software modules (optional)</b>		
<b>Software module CAN bus</b> CAN bus interface for integration in CORE		<b>2235101</b>
<b>Software module BABY MODE</b> BABY MODE for special use in pediatrics		<b>2235102</b>
<b>Software module VIDEO DISPLAY:</b> video display using DIALOG via CAN bus		<b>2235103</b>

# TECHNICAL DATA

## INSUFFLATOR HIGHFLOW 45 EVAC + HEAT

Insufflator 45 EVAC + HEAT		2235031
<b>Device properties</b>		
Operating mode	Continuous operation	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
Storage and transport conditions	-20°C to +60°C, 10% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
<b>Power supply</b>		
Mains + frequency	100–127/220–240 V~, 50/60 Hz	
Power consumption	80 VA	
Current rating	0.8–0.3 A	
Fuse	T 3.15 AH 250 V	
<b>Regulatory standards</b>		
Protection class to IEC/EN 60601-1 (UL 60601-1/CSA C222 No6011 – for USA)	I	
Electromagnetic compatibility (EMC)	IEC/EN 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIb	
Protection against electric shock	Type CF applied part	
Degree of protection against the ingress of liquids	IP 20 (not protected)	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight	11.0 kg (23.3 lbs)	
Dimensions (W x H x D)	300 x 160 x 455 mm	

Relevant application parameters	
Insufflation medium	Medical-grade CO <sub>2</sub> (degree of purity > 99.5%)
Intraabdominal pressure	3 mmHg to 25 mmHg (± 2 mmHg) selectable in increments of 1 mmHg
Gas flow rate primary filling	1 l/min (± 50%)
Gas flow rate, High Flow	2 l/min to 45 l/min (± 20%) selectable in increments of 1 l/min
Consumption indicator	0 l to 9,999 l (± 20%)

STERILE SMOKE  
FOR SMOKE GAS DISCHARGE

	
<b>Product no.</b>	
<p><b>Smoke set</b> smoke filter with tube (PACK= 10 PCS) in individual sterile packaging</p>	<p><b>2200/47BDKBTUA123</b></p>

VI25 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

# FLUID CONTROL 2225

## SUCTION IRRIGATION PUMP



core

		Product no.
FLUID CONTROL 2225 <b>Irrigation pump for Hys/Uro/Lap bndI</b> consisting of: Irrigation pump for Hys/Uro/Lap (2225001) and power cable 3 m long (2440.03)		<b>22250011</b>
<b>for this:</b>		
<b>Balancing module</b> for hysteroscopy and endourology, fluid management for fluid balancing in combination with FLUID CONTROL 2225, mobile stand with integrated weighing cells and space for up to 4 irrigation fluid bags		<b>2225023</b>

Accessories		Product no.
<b>Footswitch</b>	only for use in urology and within the indication TUR/enucleation, possibility of short-term increase in pressure if visibility is poor (Flush function)	<b>2204901</b>

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# FLUID CONTROL 2225

## SUCTION IRRIGATION TUBE SETS

Irrigation			Product no.
<b>Accessories – reusable</b>	<b>Tube set with piercing spike</b>	with Luer-Lock connection, autoclavable, incl. 10 spare membranes, reusable for 20 reprocessing cycles	<b>8171223</b>
<b>Accessories – disposable</b>	<b>Irrigation tube set with piercing spike, L 3 m</b>	(PACK= 10 PCS), with Luer-Lock connection, sterile, disposable product	<b>4171223</b>
	<b>Tube set with CARE-LOCK, L 3 m</b>	(PACK= 10 PCS), sterile, disposable product	<b>4171224</b>
	<b>Suction irrigation tube set</b>	(PACK= 10 PCS), with piercing spike, sterile disposable product, PVC	<b>4171225</b>

Suction			Product no.
<b>Accessories – reusable</b>	<b>Tube set for vacuum, incl. filter</b>	with integrated hygiene filter, PACK= 10 PCS, service life: 30 days (connected to irrigation pump)	<b>2206207</b>
	<b>Irrigation tube</b>	L 1.2 m, with Luer-Lock, for suction irrigation handle 8385.901 and tube set 8171223 or 8170.223	<b>817123</b>
	<b>Suction tube L 3 m</b>	for suction irrigation handle 8385.901	<b>8171402</b>
	<b>Secretion container, 2 l</b>	2 liters, without cover	<b>8170.6551</b>
	<b>Cover</b>	for secretion trap 8170.6551, reusable	<b>8170.6552</b>
<b>Accessories – disposable</b>	<b>Secretion container, 2.5 l</b>	2.5 liters	<b>41706566</b>
	<b>Secretion container bndl consisting of:</b>	Secretion container 2.5 l (41706566) and secretion bag (PACK= 90 PCS) (41706564)	<b>4170657</b>
	<b>Tube set for suction (2 connections)</b>	sterile, disposable product, (PACK= 10 PCS) for connecting instruments to collecting container	<b>T0503-01</b>
	<b>Angled 90° plug-in coupling</b>	(PACK= 10 PCS) For connecting vacuum tube 2206207 to disposable container systems	<b>0771019</b>

# FLUID CONTROL 2225

## CABLE ACCESSORIES

		Product no.
Patch cable, RJ45 SFTP, 0.5 m	Cable length 0.5 m	<b>72325378</b>
Patch cable, RJ45 HRS TM11, 1.0 m	Cable length 1.0 m	<b>72325429</b>
Patch cable, RJ45 S/FTP CAT6 10 m	Cable length 10 m	<b>72325434</b>
Plastic caps for network socket	(PACK= 8 PCS)	<b>5592105</b>
Power cable	Cable length 3 m	<b>2440.03</b>

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# TECHNICAL DATA

## FLUID CONTROL 2225

FLUID CONTROL 2225		2225001
<b>Device properties</b>		
Operating conditions		+10°C to +40°C, 30% to 75% rel. humidity, 70 to 106 kPa atmospheric pressure 3,000 m max. altitude above sea level
Storage and transport conditions		-20°C to +60°C, 10% to 90% rel. humidity 70 to 106 kPa atmospheric pressure
<b>Power supply</b>		
Mains + frequency		100–240 V~, 50/60 Hz
Power consumption	100 V/60 Hz	110 VA
	240 V/50 Hz	120 VA
Current rating	100 V/60 Hz	1.10 A
	240 V/50 Hz	0.50 A
Fuse		T 3.15 AH, 250 V
<b>Regulatory standards</b>		
Protection class (I, II)		I
Electromagnetic compatibility (EMC)		EN 60601-1/IEC 60601-1 EN 60601-1-2/IEC 60601-1-2
Medical Devices Directive 93/42/EEC		Class IIb
Housing protection rating (IP code)		IP21
Protection against electric shock		Type BF applied part
Degree of protection in the presence of flammable mixtures		Device is not protected against explosions (do not operate this device in explosive atmospheres)
Maximum suction vacuum		-60 kPa
<b>Dimensions and weights</b>		
Weight		8.8 kg
Dimensions (W x H x D)		300 mm x 157 mm x 436 mm
<b>Relevant application parameters</b>		
Nominal flow range		Hysteroscopy: 800 ml/min (max. flow, not adjustable) Endourology: 10–800 ml/min (max. flow) Laparoscopy: 0.1–1.8 l/min (max. flow)
Suction power		max. 2 l/min
Starting nominal pressure range		Hysteroscopy: 15–200 mmHg Endourology: 15–90 mmHg/20–120 cmH2O Laparoscopy: 300 mmHg (not adjustable)
Pressure		0–300 mmHg
Deficit		-9,990 to +9,990 ml/0 to 99.9 l

# TECHNICAL DATA

## FLUID CONTROL 2225

<b>Balancing module</b>		<b>2225023</b>
<b>Device properties</b>		
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, 70 to 106 kPa atmospheric pressure 3,000 m max. altitude above sea level	
Storage and transport conditions	-20°C to +60°C , 10% to 90% rel. humidity 70 to 106 kPa atmospheric pressure	
<b>Regulatory standards</b>		
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1 EN 60601-1-2/IEC 60601-1-2	
Housing protection rating (IP code)	IP21	
Maximum load of container scale	16 kg/4 containers of 3 l each	
Maximum load of bag scale	23 kg/4 bags of 5 l each	
<b>Dimensions and weights</b>		
Weight	15.4 kg	
Dimensions (W x H x D)	618 mm x 1,064 mm x 618 mm	

<b>Footswitch</b>		<b>2204901</b>
<b>Power supply</b>		
Power supply connection	max. 24 V	
Power consumption	max. 0.1 A	
<b>Regulatory standards</b>		
Electromagnetic compatibility (EMC)	EN 60601-1/IEC 60601-1	
Housing protection rating (IP code)	IPX8	
Plug	7-pin circular connector	
Cable length	4.5 m	
<b>Dimensions and weights</b>		
Weight	300 g	
Dimensions (W x H x D)	66 mm x 27 mm x 91 mm	

# FLUID CONTROL LAP 2216

	
<b>Product no.</b>	
<p>FLUID CONTROL <b>LAP suction irrigation pump bndl</b> consisting of: LAP suction irrigation pump (2216001) and power cable 3 m long (2440.03)</p>	<b>22160011</b>

Accessories		Product no.
<b>Bracket</b>	for fixing the suction container on the irrigator stand or MUT cart	<b>2215.992</b>
<b>Universal holder</b>	for FLUID CONTROL LAP on RIWomobil	<b>32114605</b>

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# LAP SUCTION IRRIGATION PUMP 2216

## SUCTION IRRIGATION TUBE SETS

Irrigation			Product no.
Accessories – reusable	Tube set with piercing spike	with Luer-Lock connection, autoclavable, incl. 10 spare membranes, reusable for 20 reprocessing cycles	<b>8171223</b>
Accessories – disposable	Irrigation tube set with piercing spike, L 3 m	(PACK= 10 PCS), with Luer-Lock connection, sterile, disposable product	<b>4171223</b>
	Tube set with CARE-LOCK, L 3 m	(PACK= 10 PCS), sterile, disposable product	<b>4171224</b>
	Suction irrigation tube set	(PACK= 10 PCS), with piercing spike, sterile disposable product, PVC	<b>4171225</b>

Suction			Product no.
Accessories – reusable	Tube set for vacuum, incl. filter	with integrated hygiene filter, PACK= 10 PCS, service life: 30 days (connected to irrigation pump)	<b>2206207</b>
	Irrigation tube	L 1.2 m, with Luer-Lock, for suction irrigation handle 8385.901 and tube set 8171223 or 8170.223	<b>817123</b>
	Suction tube L 3 m	for suction irrigation handle 8385.901	<b>8171402</b>
	Secretion container, 2 l	2 liters, without cover	<b>8170.6551</b>
	Cover	for secretion trap 8170.6551, reusable	<b>8170.6552</b>
Accessories – disposable	Secretion container, 2.5 l	2.5 liters	<b>41706566</b>
	Secretion container bndl consisting of:	Secretion container 2.5 l (41706566) and secretion bag (PACK= 90 PCS) (41706564)	<b>4170657</b>
	Tube set for suction (2 connections)	sterile, disposable product, (PACK= 10 PCS) for connecting instruments to collecting container	<b>T0503-01</b>
	Angled 90° plug-in coupling	(PACK= 10 PCS) For connecting vacuum tube 2206207 to disposable container systems	<b>0771019</b>

# TECHNICAL DATA

## FLUID CONTROL LAP 2216

LAP suction irrigation pump		2216001
<b>Device properties</b>		
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa 3,000 m max. altitude above sea level	
Storage conditions	+5°C to +40°C, 5% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
Transport and shipping conditions	-20°C to +60°C, 5% to 90% rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa	
<b>Power supply</b>		
Mains + frequency	100–240 V~, 50/60 Hz	
Power consumption	100 V/60 Hz	65 VA
	240 V/50 Hz	96 VA
Current rating	100 V/60 Hz	0.65 A
	240 V/50 Hz	0.42 A
Protection class	I	
Electromagnetic compatibility (EMC)	IEC 60601-1/EN 60601-1 IEC 60601-1-2/EN 60601-1-2	
Medical Devices Directive 93/42/EEC	Class IIa	
Protection against electric shock	Type BF applied part	
Degree of protection against the ingress of liquids	IP 41	
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate this device in explosive atmospheres)	
<b>Dimensions and weights</b>		
Weight	4 kg	
Dimensions (W x H x D) with toggle screw	140 mm x 210 mm x 295 mm	

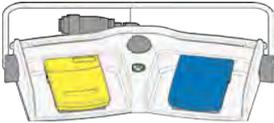
Relevant application parameters	
Maximum delivery rate	Rinsing: 2.0 l/min (± 10%), suction: 2.0 l/min (+0.4/-0.1 l/min)
Maximum pump pressure	400 mmHg (± 50 mmHg)
Motor cut-out	500 mmHg after 5 s (± 25 mmHg)
Suction pressure	between -50 kPa and -60 kPa
Connections	Equipotential bonding, vacuum connection

# HF GENERATOR 2260

core



		Product no.
HF surgical generator 400 kHz	for the connection of monopolar and bipolar accessories, international version (BOWA, KLS Martin, Olympus, Karl Storz, Valleylab)	2260001
HF surgical generator 400 kHz	for the connection of monopolar and bipolar accessories, E version (Erbe)	2260002

Accessories required	Cable length	Product no.
<b>Footswitch, 2 pedals L 5 m</b> with fixed connection cable, reusable 		2260021
<b>Neutral electrode</b> for use with high-frequency surgical device, Foil bag with 5 neutral electrodes, (PACK= 50 PCS)		1280H
<b>Mono HF neutral electrode cable, L 4.5 m</b>	4.5 m	2260031
<b>Power cable</b>	3.0 m	2440.03
<b>Bipo HF connection cable L 3 m</b>	3.0 m	8108233
<b>Bipo HF connection cable L 5 m</b>	5.0 m	8108253

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# HF GENERATOR 2260

## TECHNICAL DATA

HF surgical generator 400kHz		2260001/2260002
<b>Device properties</b>		
Type of controls on housing front		Touch panel
Output power	max.cutting power	400 W
	max.coagulation power	350 W
LF and HF leakage currents		acc. to DIN EN 60601-1 and DIN EN 60601-2-2
Signal level		HF indicator 55 dB(A); adjustable 45–60 dB(A) Alarm 65 dB(A)
Operating conditions		+10°C to +40°C, 30% to 75% rel humidity, 700 hPa to 1,060 hPa atmospheric pressure
Storage and transport conditions		- 20°C to + 60°C, 10% to 90% rel humidity, 700 hPa to 1,060 hPa atmospheric pressure
<b>Power supply</b>		
Mains + frequency		100–240 V~, 50/60 Hz
Power consumption	without HF output	45 VA
	at max. output power	650 VA
Current rating		max. 6.3 A
Fuse		T 6.3 AH 250 V
<b>Regulatory standards</b>		
Protection class to EN/IEC 60601-1 (UL 2601-1/CSA C222 No6011 – for USA)		I
Electromagnetic compatibility (EMC)		EN/IEC 60601-1-2
Medical Devices Directive 93/42/EEC		Class IIb
Degree of protection against the ingress of liquids (DIN EN/IEC 60529)		IPX0
Degree of protection against the ingress of solids		IP2X
Duty factor (duty cycle DC)		Intermittent INT 10 s/30 s corresponding to 25% DC
Protection against electric shock		Model CF applied part, defibrillator-proof
Degree of protection in the presence of flammable mixtures		Device is not protected against explosions (do not operate this device in explosive atmospheres)
<b>Dimensions and weights</b>		
Weight		10.2 kg (22.4 lbs)
Dimensions (W x H x D)		300 x 159 x 419 mm

# HF CONNECTION CABLE MONO 815xxx

Instrument connector	Device connector		Product no.
<p><b>WOLF Resectoscopes</b></p> 		<p>HF connection cable mono L 3 m</p>	<p><b>815.032</b></p>
	<p>ERBE (ACC/ICC/IO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002</p>	<p>HF connection cable mono L 5 m</p>	<p><b>815.052</b></p>
		<p>HF connection cable mono L 3 m</p>	<p><b>815.132</b></p>
	<p>ERBE (T series)</p>	<p>HF connection cable mono L 5 m</p>	<p><b>815.152</b></p>
<p><b>HF electrodes, monopolar</b></p> 		<p>HF connection cable mono L 3 m</p>	<p><b>815.031</b></p>
	<p>Martin (M-version)/Berchtold/ Aesculap</p>	<p>HF connection cable mono L 5 m</p>	<p><b>815.051</b></p>
		<p>HF connection cable mono L 3 m</p>	<p><b>815.033</b></p>
<p>Bovie/Valleylab/Erbe (Int.)/ BOWA (Int.) R. Wolf HF surgical generator 400 kHz 2260001</p>	<p>HF connection cable mono L 5 m</p>	<p><b>815.053</b></p>	
	<p>BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001</p>	<p>HF connection cable mono L 3 m</p>	<p><b>815.034</b></p>
	<p>Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001</p>	<p>HF connection cable mono L 5 m</p>	<p><b>815.054</b></p>

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# HF CONNECTION CABLE MONO 8106xxx

Instrument connector	Device connector		Product no.
<p><b>WOLF Instruments/surgical generator</b></p> 		<p>HF connection cable mono L 3 m</p>	<p><b>8106.032</b></p>
	<p>Erbe (ACC/ICC/VIO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002</p>	<p>HF connection cable mono L 5 m</p>	<p><b>8106.052</b></p>
		<p>HF connection cable mono L 3 m</p>	<p><b>8106.132</b></p>
	<p>Erbe (T series)</p>	<p>HF connection cable mono L 5 m</p>	<p><b>8106.152</b></p>
<p><b>HF electrodes, monopolar</b></p> 		<p>HF connection cable mono L 3 m</p>	<p><b>8106.031</b></p>
	<p>Martin (M-version)/Berchtold/ Aesculap</p>	<p>HF connection cable mono L 5 m</p>	<p><b>8106.051</b></p>
		<p>HF connection cable mono L 3 m</p>	<p><b>8106.033</b></p>
	<p>Bovie/Valleylab/Erbe (Int.)/ BOWA (Int.) R. Wolf HF surgical generator 400 kHz 2260001</p>	<p>HF connection cable mono L 5 m</p>	<p><b>8106.053</b></p>
		<p>HF connection cable mono L 3 m</p>	<p><b>8106.034</b></p>
	<p>BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	<p>HF connection cable mono L 5 m</p>	<p><b>8106.054</b></p>

# BIPO HF CONNECTION CABLE

8108xxx

Instrument connector	Device connector		Product no.	
<b>WOLF Bipolar forceps</b>  	 ERBE (ACC/ICC/T)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 3 m	<b>8108.032</b>	
		HF connection cable bipo; L 5 m	<b>8108.052</b>	
	 International / 2-pin Valleylab R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 3 m	<b>8108.033</b>	
		HF connection cable bipo; L 5 m	<b>8108.053</b>	
	 WOLF/Martin (M-version)/ Berchtold/Aesculap	HF connection cable bipo; L 3 m	<b>8108.031</b>	
		HF connection cable bipo; L 5 m	<b>8108.051</b>	
	 EMC Dolley	HF connection cable bipo; L 3 m	<b>8108035</b>	
	<b>Bipolar tweezers connection</b>  	 ERBE (ACC/ICC/T)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 3 m	<b>8108.132</b>
			HF connection cable bipo; L 5 m	<b>8108.152</b>
		 International / 2-pin Valleylab R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable bipo; L 3 m	<b>8108.133</b>
HF connection cable bipo; L 5 m			<b>8108.153</b>	
 Martin (M-version)/Berchtold/ Aesculap		HF connection cable bipo; L 3 m	<b>8108.131</b>	
		HF connection cable bipo; L 5 m	<b>8108.151</b>	
 EMC Dolley		HF connection cable bipo; L 3 m	<b>8108135</b>	

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## HF CONNECTION CABLE BIPO FOR RESECTION IN SALINE SOLUTION

Instrument connector	Device connector		Product no.	
<p><b>WOLF S(a)line resectoscopes</b></p> 	 Erbe VIO 300D	<p><b>Bipolar cable; TUR/TCR; WOLF</b></p> <p>MF plug; L 4 m</p>	<p><b>20196-119</b></p>	
	 Erbe VIO 3	<p><b>Bipolar cable; MF-U</b></p> <p>MF plug; L 4.5 m</p>	<p><b>21196-119</b></p>	
	 KLS Martin	<p><b>HF connection cable bipo; L 3 m</b></p>	<p><b>8108.231</b></p>	
		<p><b>HF connection cable bipo; L 5 m</b></p>	<p><b>8108.251</b></p>	
	 R. Wolf HF surgical generator 400 kHz 2260001/2260002		<p><b>HF connection cable bipo; L 3 m</b></p>	<p><b>8108233</b></p>
			<p><b>HF connection cable bipo; L 5 m</b></p>	<p><b>8108253</b></p>

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# MONO HF NEUTRAL ELECTRODE CABLE

Instrument connector	Device connector		Product no.
<p><b>2-pole neutral electrode</b></p> 	 <p>R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	<p><b>Mono HF neutral electrode cable, L 4.5 m</b></p>	<p><b>2260031</b></p>

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# FLEXIBLE FIBER CHOLEDOCHOSCOPE 5 MM CHANNEL 2.5 MM



	Outer Ø	Working channel	WL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Fiber cystoscope 15 Fr WL 400 mm</b> Slanted distal tip Articulation +210°/-150° Direction of view 0°, viewing angle 110°	5 mm 15 Fr	25 mm 75 Fr	400 mm	•		<b>7305.001</b>
					•	<b>7305.006</b>
<b>Fiber cystoscope bndl</b> consisting of: Fiber cystoscope 15 Fr WL 400 mm (7305.001) Adapter with 2 irrigation valves and 1 instrument port (7305.782) Leakage tester for flex. endoscopes (163.903) Pressure equalization valve (163.904) Cleaning brush Ø 3 mm, TL 1,200 mm (PACK= 10 PCS) (7990002)				•		<b>730500111</b>
<b>Fiber cystoscope bndl</b> consisting of: Fiber cystoscope 15 Fr WL 400 mm (7305.006) Adapter with 2 irrigation valves and 1 instrument port (7305.782) Leakage tester for flex. endoscopes (163.903) Pressure equalization valve (163.904) Cleaning brush Ø 3 mm, TL 1,200 mm (PACK= 10 PCS) (7990002)					•	<b>730500611</b>

Recommended accessories	Product no.
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long <b>806625231</b>

**mamba**  
VISION

**FLEXIBLE SENSOR ENDOSCOPE FOR USE IN CHOLEDOCHOSCOPY**

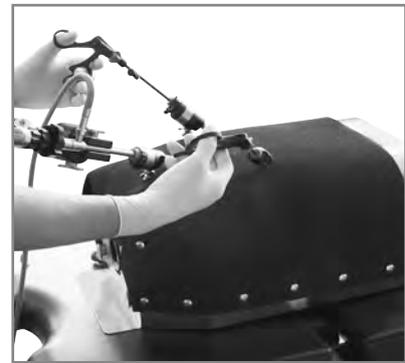
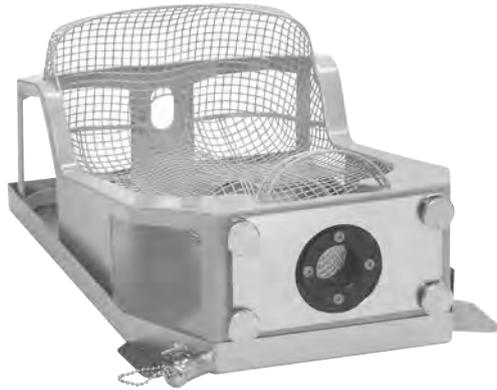
FOR ENDOCAM **Logic 4K** CONTROLLER



	Outer Ø	Working channel	WL	Control lever in distal direction – articulation downward	Control lever in distal direction – articulation upward	Product no.
<b>Sensor cystoscope</b> <b>16.2 Fr WL 400 mm</b> Slanted distal tip Articulation +210°/-210° Direction of view 0°, viewing angle 120°	16.2 Fr	2.5 mm 7.5 Fr	400 mm	•		<b>7315001</b>
					•	<b>7315006</b>
<b>Sensor cystoscope bndl</b> consisting of: Sensor cystoscope 16.2 Fr, WL 400 mm (7315001) Leakage tester for flex. endoscopes (163.903), pressure equalization valve (163.904), Luer sealing cap (15023205), and cleaning brush Ø 5 mm, TL 1,200 mm (PACK= 10 PCS) (7990005)				•		<b>73150012</b>
<b>Sensor cystoscope bndl</b> consisting of: Sensor cystoscope 16.2 Fr, WL 400 mm (7315006) Leakage tester for flex. endoscopes (163.903), pressure equalization valve (163.904), Luer sealing cap (15023205), and cleaning brush Ø 5 mm, TL 1200 mm (PACK= 10 PCS) (7990005)					•	<b>73150062</b>
<b>Recommended accessories</b>						<b>Product no.</b>
<b>Fiber light cable bndl</b> consisting of: Fiber light cable Ø 2.5 mm TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)				Ø 2.5 mm, 2.3 m long		<b>806625231</b>

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# TÜBINGER MIC TRAINING DEVICE



		Product no.
<b>Tübinger MIC trainer</b> with 3 abdominal walls (foam rubber)	(W x H x D) 560 x 350 x 230 mm	<b>9500.056</b>

Recommended accessories		Product no.
<b>Abdominal wall, foam rubber, PACK= 5 PCS</b>		<b>9500.051</b>
Available on request with transportation case		

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