RICHARD WOLF

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DIAGNOSTIC AND SURGICAL HYSTEROSCOPY

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BASIC SET

FOR DIAGNOSTIC HYSTEROSCOPY

Product	Product no.	Quantity	Catalog/Section
without working channel			
Telescope 30° Ø 2.7 mm SL 310 mm	**8974.402**	1	Gynecology / hysteroscopy
Sheath for hysteroscope 10.5 Fr	**8985.11**	1	
alternative:			
Kompakt Hysteroskope Hysteroscope bndl	**89864021**	1	Gynecology / hysteroscopy
Handle for hysteroscope	**8986.251**	1	
Biopsy forceps bndl	**8642.6312**	1	
Grasping forceps bndl	**8642.6502**	1	

||24|| 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.

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BASIC SET

FOR OPERATIVE HYSTEROSCOPY
PRINCESS® **E**-LINE & **S**(A)LINE **S**YSTEM,
TELESCOPE 2.7 MM, 12°, 21 FR, PASSIVE, CONTINUOUS IRRIGATION

Product	Product no.	Quantity	Catalog/Section
Outer sheath for resectoscope 21 Fr	**8653.021**	1	Gynecology / hysteroscopy
Inner sheath for resectoscope 19 Fr	**8653.018**	1	
Obturator for resectoscope 19 Fr	**8653.18**	1	
Passive, mono/bipo working element with open handle, passive cutting	**8653.224**	1	
Telescope 12° Ø 2.7 mm SL 310 mm	**8974.412**	1	
Cutting electrode bipo 21 Fr	**46531313**	1	
Roller electrode bipo 21/24.5 Fr	**4653.023**	1	
Hook electrode mono/bipo 21/24.5 Fr	**865303**	1	
Protective sterilization sleeve for connection to max. 5 electrodes, reusable	**33030**	1	
Bipolar HF cable	**8108....**	1	
FLUID CONTROL 2225 **Irrigation pump for HYS/URO/LAP bndl**	**22250011**	1	
Balancing module	**2225023**	1	

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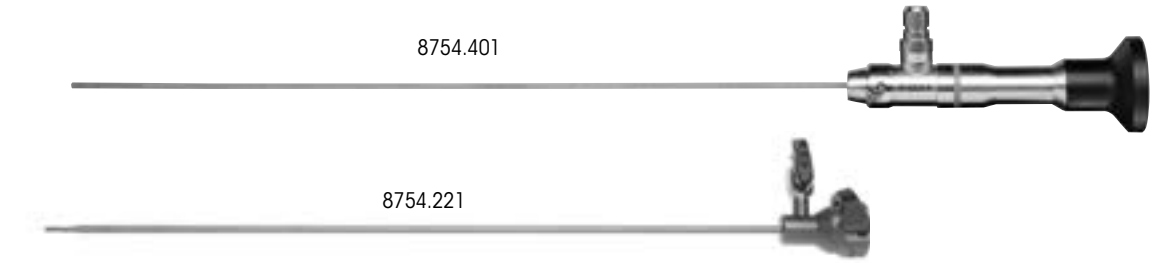
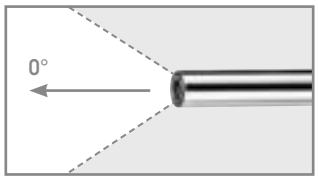
MINI FIBER TELESCOPE 2.0 MM





AUTOCLAVE
134° C / 273° F

	Direction of view	WL	TL	Ø	Product no.
Telescope 0° Ø 2 mm NL 268 mm	0°	268 mm	365 mm	2.0 mm	**8754401**
also:					
VERES cannula Ø 2.3 mm WL 250 mm 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	**8754201**

Recommended accessories		Product no.
Perforated basket for standard telescope 2 (for telescope 8754.401)	(L x W x H) 481 x 59 x 54 mm	**38016**
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	**806625231**

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MINI SURGICAL HYSTEROSCOPE

	Direction of view	W x H	WL	TL	Product no.
Telescope 12° W 3.6 mm H 2 mm WL 227 mm with lateral eyepiece	12°	3.6 x 2.0 mm	227 mm	358 mm	**8753.411**

also:

	Color coding	WL	Outer Ø	Working channel	Product no.
Outer sheath for hysteroscope 15 Fr	yellow	214 mm	3.8 mm	3 Fr	**8753.001**
Inner sheath for hysteroscope		-	1.5 mm		**8753.002**
Outer sheath for hysteroscope 15 Fr	blue	214 mm	4.8 mm	5 Fr	**8753.003**
Inner sheath for hysteroscope		-	2.2 mm x 3.42 mm		**8753.004**
Outer sheath for hysteroscope 15.5 Fr	green	214 mm	5.4 mm	7 Fr	**8753.006**
Inner sheath for hysteroscope		-	2.8 mm x 2.98 mm		**8753.007**
Outer sheath for hysteroscope 17.5 Fr	white	214 mm	5.8 mm	9 Fr	**8753.008**
Inner sheath for hysteroscope		-	3.5 mm x 4.04 mm		**8753.009**

Recommended accessories		Product no.
Rigid grasping forceps Ø 3 mm WL 346 mm		**8993.235**
Perforated basket for hysteroscope 1 for holding replacement sheaths, with small parts basket	Internal dimens. (W x H x D): 51 x 65 x 124 mm External dimens. (W x H x D): 467 x 75 x 132 mm	**38006**
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	**806625231**

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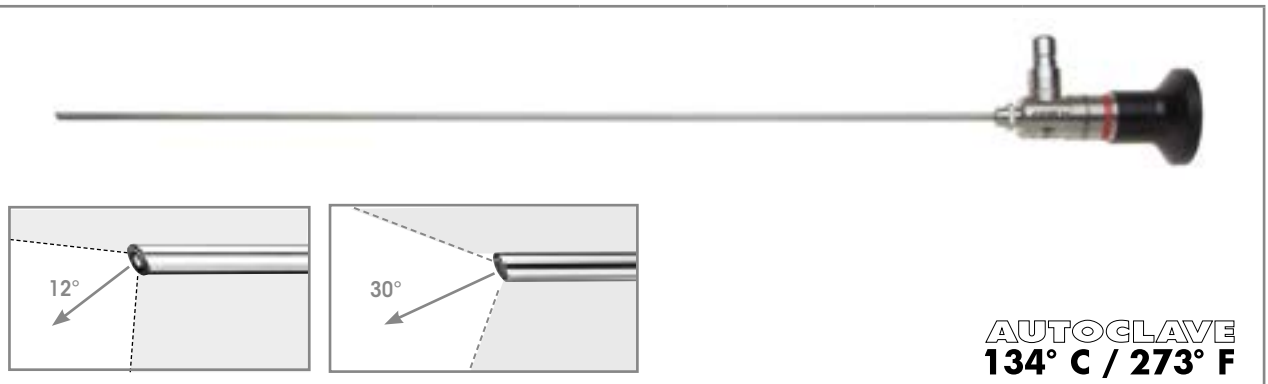
HYSTEROSCOPE TELESCOPES
Ø 2.7 MM/Ø 4.0 MM



AUTOCLAVE
134° C / 273° F

	Direction of view	Ø	SL	TL	Product no.
Telescope 12° Ø 2.7 mm SL 310 mm	12°	2.7 mm	310 mm	373 mm	**8974.412**
Telescope 30° Ø 2.7 mm SL 310 mm	30°	2.7 mm	310 mm	370 mm	**8974.402**

AUTOCLAVE
134° C / 273° F

	Direction of view	Ø	SL	TL	Product no.
Telescope 30° Ø 4 mm SL 299 mm	30°	4.0 mm	299 mm	372 mm	**8989.412**

Recommended accessories		Product no.
Perforated basket for standard telescope 2	Dimensions (L x W x H): 481 x 59 x 54 mm	**38016**
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	**806625231**

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DIAGNOSTIC HYSTEROSCOPE SHEATH 10.5 FR /Ø 3.5 MM

FOR TELESCOPE 2.7 MM, 30°

	Sheath	WL	Product no.
Sheath for hysteroscope 10.5 Fr round	10.5 Fr/ Ø 3.5 mm	255 mm	**8985.11**
Handle for hysteroscope			**8986.251**

also:

	Direction of view	Ø	SL	TL	Product no.
Telescope 30° Ø 2.7 mm SL 310 mm	30°	2.7 mm	310 mm	370 mm	**8974.402**

Recommended accessories		Product no.
Perforated basket for standard telescope 2	Dimensions (L x W x H): 481 x 59 x 54 mm	**38016**
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	**806625231**

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DIAGNOSTIC HYSTEROSCOPE SHEATH 12 FR, OVAL

FOR TELESCOPE 2.7 MM, 30°

	Sheath	Working channel	WL	Product no.
Sheath for hysteroscope 12 Fr oval	12 Fr	3 Fr	246 mm	**8974.121**
Handle for hysteroscope				**8986.251**

also:

	Direction of view	Ø	SL	TL	Product no.
Telescope 30° Ø 2.7 mm SL 310 mm	30°	2.7 mm	310 mm	370 mm	**8974.402**

Recommended accessories		Product no.
Perforated basket for standard telescope 2	Dimensions (L x W x H): 481 x 59 x 54 mm	**38016**
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	**806625231**

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OptiFLOW™

HIGHFLOW CONTINUOUS IRRIGATION SURGICAL SHEATH 5.5 MM

FOR TELESCOPE 2.7 MM, 12° AND 30°

	Sheath Ø	Working channel	WL	Product no.
Sheath for hysteroscope 16.5 Fr distal sheath end, oval	16,5 Fr	5 Fr	219 mm	**8974351**
Handle for hysteroscope				**8986.251**

also:

	Direction of view	Ø	SL	TL	Product no.
Telescope 12° Ø 2.7 mm SL 310 mm	12°	2.7 mm	310 mm	373 mm	**8974.412**
Telescope 30° Ø 2.7 mm SL 310 mm	30°	2.7 mm	310 mm	370 mm	**8974.402**

Recommended accessories		Product no.
Perforated basket for standard telescope 2	Dimensions (L x W x H): 481 x 59 x 54 mm	**38016**
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	**806625231**

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DIAGNOSTIC HYSTEROSCOPE SHEATH 15 FR

FOR TELESCOPE 4 MM, 30°

	Sheath Ø	Working channel	WL	Product no.
Sheath for hysteroscope 15 Fr distal sheath end, oval	15 Fr	3 Fr	255 mm	**8989.151**
Handle for hysteroscope				**8986.251**

also:

	Direction of view	Ø	SL	TL	Product no.
Telescope 30° Ø 4 mm SL 299 mm	30°	4.0 mm	299 mm	372 mm	**8989.412**

Recommended accessories		Product no.
Perforated basket for standard telescope 2	Dimensions (L x W x H): 481 x 59 x 54 mm	**38016**
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	**806625231**

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SURGICAL CONTINUOUS IRRIGATION HYSTEROSCOPE SHEATH 15 FR OVAL

FOR TELESCOPE 4 MM, 30°

	Sheath	Working channel	WL	Product no.
Sheath for hysteroscope 15 Fr distal sheath end, oval	15 Fr	3 Fr	230 mm	**8989.031**
Handle for hysteroscope				**8986.251**

also:

	Direction of view	Ø	SL	TL	Product no.
Telescope 30° Ø 4 mm SL 299 mm	30°	4.0 mm	299 mm	372 mm	**8989.412**

Recommended accessories		Product no.
Perforated basket for standard telescope 2	Dimensions (L x W x H): 481 x 59 x 54 mm	**38016**
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	**806625231**

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SURGICAL CONTINUOUS IRRIGATION HYSTEROSCOPE SHEATH 21 FR

FOR TELESCOPE 4 MM, 30°

byGallinat

8988.031

8988.231

8988.241

		Sheath	Working channel	WL	Product no.
Outer sheath for hysteroscope 21 Fr oval	with oblique distal end, rotatable drain stopcock, and quick release lock	21 Fr	-	204 mm	**8988.031**
also: **Obturator for hysteroscope OD 5 mm**	specifically for 8988.031				**8988.131**
Working insert for hysteroscope 21 Fr	with deflection lever and supply stopcock		7 Fr		**8988.231**
Working insert for hysteroscope 21 Fr	with ramp and supply stopcock		7 Fr		**8988.241**

also:

	Direction of view	Ø	SL	TL	Product no.
Telescope 30° Ø 4 mm SL 299 mm	30°	4.0 mm	299 mm	372 mm	**8989.412**

Recommended accessories		Product no.
Perforated basket for standard telescope 2	Dimensions (L x W x H): 481 x 59 x 54 mm	**38016**
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	**806625231**

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HYSTEROSCOPE
3.9 MM, 30°

AUTOCLAVE
134° C / 273° F

	Sheath	Working channel	WL	Product no.
Hysteroscope bndl consisting of: Hysteroscope 30° Ø 3.9 mm WL 217 mm (8986402) and rubber cap capacity 0.8 mm (PACK = 10 PCS, 88.01)	Ø 3.9 mm	5 Fr	217 mm	**89864021**
Handle for hysteroscope				**8986.251**

Recommended accessories		Product no.
Perforated basket for hysteroscope 2 with small part basket	Internal dimensions (W x H x D): 451 x 80 x 124 mm, External dimensions (W x H x D):467 x 90 x 132 mm	**38009**
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	**806625231**

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HYSTEROSCOPE
5 MM, 20°

AUTOCLAVE
134° C / 273° F

	Sheath	Working channel	WL	Product no.
Hysteroscope 20° Ø 5 mm WL 217 mm with lateral eyepiece	Ø 5 mm	5 Fr	217 mm	**8986.401**
Handle for hysteroscope				**8986.251**

Recommended accessories		Product no.
Perforated basket for hysteroscope 2 with small part basket	Internal dimensions (W x H x D): 451 x 80 x 124 mm, External dimensions (W x H x D): 467 x 90 x 132 mm	**38009**
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	**806625231**

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RIGID PREPARATION FORCEPS 7 FR

with irrigation connector	Fr	WL	TL	Product no.
Rigid preparation forceps 7 Fr WL 371 mm with internal and external toothing	7 Fr	371 mm	460 mm	**8992.621**

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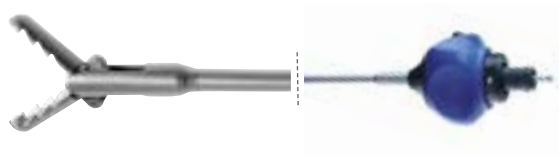
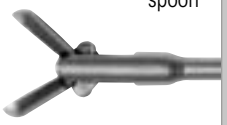
FORCEPS AND SCISSORS

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.
Grasping forceps bndl angled distally with pike-mouth jaws	8642.6508	5	340 mm	•	**8642.6502**
Grasping forceps bndl with pike-mouth jaws	8992.6308	7	310 mm	•	**8992.6302**
Grasping forceps bndl spoon 	8642.6008	5	340 mm	•	**8642.6002**
Scissors bndl	8642.6818	5	340 mm	•	**8642.6812**
Biopsy forceps bndl	8642.6318	5	340 mm	•	**8642.6312**
Hook scissors bndl	8992.6408	7	310 mm	•	**8992.6402**

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MONOPOLAR ELECTRODE 5/6 FR

MONOPOLAR

	Fr	WL	Product no.
Coagulation electrode mono 6 Fr WL 400 mm	6 Fr	400 mm	**823.06**
Needle electrode mono 5 Fr WL 420 mm	5 Fr	420 mm	**824.05**

HF connection cable: see page GYN40/41

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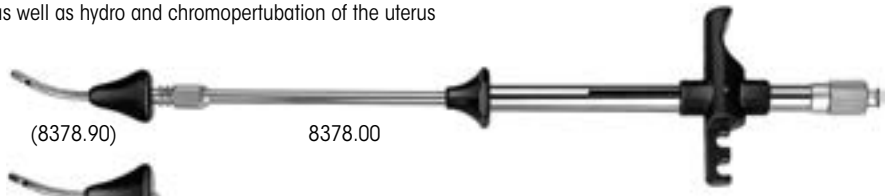
FOR PORTIO AND UTERUS

	WL	TL	Product no.
Uterus grasping forceps WL 92 mm, by Pozzi with distally overlapping tips	92 mm	254 mm	**8370.25**
Uterus grasping forceps WL 100 mm, by Gimpelson with four spherical teeth	100 mm	242 mm	**8371.10**
Uterus grasping forceps Ø 6.5 mm WL 100 mm, by Sairges	100 mm	262 mm	**8370.00**

for fixation, elevation, as well as hydro and chromopertubation of the uterus



	WL	TL	Product no.
Intrauterine probes bndl consisting of: Intrauterine probe Ø 32 mm WL 32 mm, by Cohen (8378.00), conical portio adapter size small (8378.90), conical portio adapter size large (8378.91), tube with Luer-Lock connector (886.00)	32 mm	330 mm	**8378001***

*also: Uterus grasping forceps WL 92 mm, by Pozzi (8370.25)

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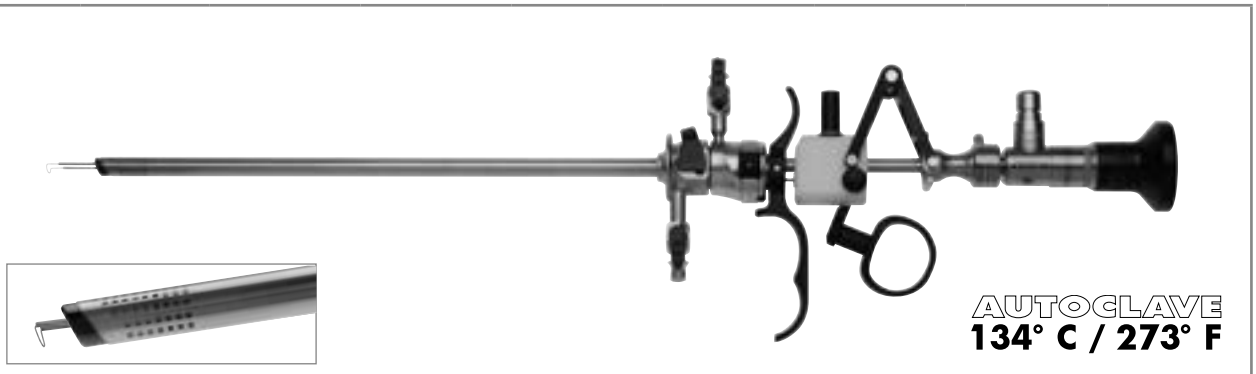
PRINCESS

PETIT **R**ESECTOSCOPE **INC**LUDING
E-LINE & **S**(A)LINE **S**YSTEM



Size, Color coding	distal end	Outersheath for resecto-scope 21 Fr	Inner sheath for resecto-scope 19 Fr	Passive, mono/bipo working element with open handle		Telescope 12° Ø 2.7 mm SL 310 mm	Obturators	
				passive cutting	active cutting		Viewing obturator for resecto-scope 19 Fr	Obturator for resecto-scope 19 Fr
Sheaths								
7 mm 21 Fr black		**8653.021**	**8653.018**	**8653.224**	**8653204**	**8974.412**	**865319**	**8653.18**
also:								
Electrodes: see page GYN22								

Recommended accessories		Product no.
Working insert for resectoscope for auxiliary instruments up to 7 Fr		**8653284**
HF monopolar connection cable		**see page GYN40/41**
Container (W x H x D) 400 X 60 X 200 mm	Internal dimensions (W x H x D): 400 x 57 x 200 mm External dimensions (W x H x D): 466 x 77 x 266 mm	**33022**
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (809.507), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	**806625231**

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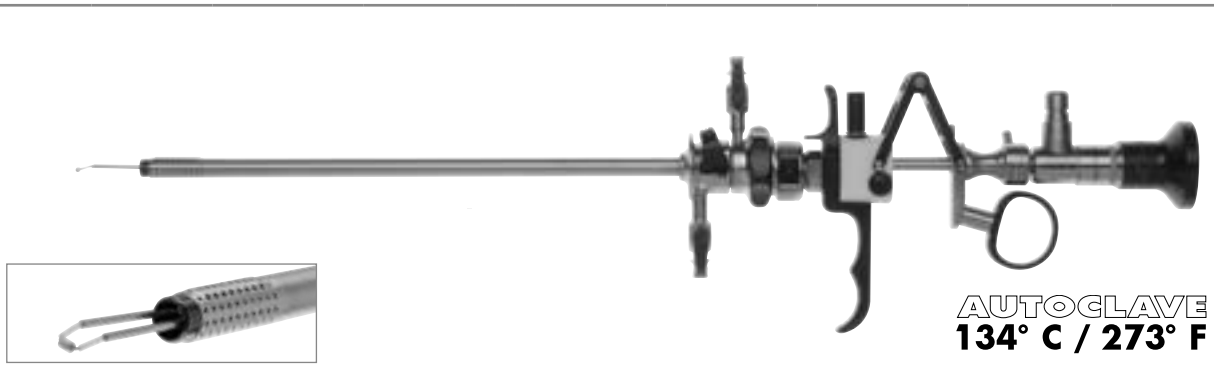
PRINCESS

PETIT **R**ESECTOSCOPE **INC**LUDING
E-LINE & **S**(A)LINE **S**YSTEM, **ROTATABLE**



Size, Color coding	distal end	Outersheath for resectoscope	Inner sheath for resectoscope	Working element with open handle		Telescope 12° Ø 2.7 mm SL 310 mm	Obturators	
				passive cutting	active cutting		Viewing obturator for resectoscope	Obturator for resectoscope
Sheaths								
7 mm 21 Fr black		21 Fr **8653022**	19 Fr **8653019**	**8653.224**	**8653204**	**8974.412**	19 Fr **865319**	19 Fr **8653.18**
8 mm 24.5 Fr green		24,5 Fr **8655.334**	22 Fr **8655.344**					22 Fr **8654.16**

also:

Electrodes: see page GYN22

Recommended accessories		Product no.
Working insert for resectoscope for auxiliary instruments up to 7 Fr		**8653284**
HF monopolar connection cable		**see page GYN40/41**
Container (W x H x D) 400 X 60 X 200 mm	Internal dimensions (W x H x D): 400 x 57 x 200 mm External dimensions (W x H x D): 466 x 77 x 266 mm	**33022**
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (809.507), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	**806625231**

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ELECTRODES

FOR PRINCESS RESECTOSCOPE, TELESCOPE 2.7 MM, 12°

12°, for multiple use, monopolar/bipolar

	Designation	Bracket	for sheath sizes [in Fr]		Color coding		Product no.
			CI 21	CI 24.5	Fork	Stem	
	Cutting electrode mono 21 Fr	Loop round Ø 0.3 mm	•	–	red	blue	8653.131
	Cutting electrode mono 24.5 Fr	Loop round Ø 0.3 mm	–	•	blue	blue	8653.132
	Roller electrode mono 21/24.5 Fr	Roll	•	•	red	blue	8653.02
	Hook electrode mono/ bipo 21/24.5 Fr	Hook	•	•	red	blue	865303

• suitable for corresponding sheath size – not suitable CI = continuous irrigation

12°, disposable, sterile* bipolar

(PACK = 3 PCS)	Designation	Bracket	for sheath sizes [in Fr]		Color coding		Product no.
			CI 21	CI 24.5	Fork	Stem	
	Cutting electrode bipo 21 Fr	Loop round Ø 0.3 mm	•	–	transparent	blue	46531313
	Cutting electrode bipo 24.5 Fr	Loop round Ø 0.3 mm	–	•	transparent	blue	4653.1323
	Roller electrode bipo 21/24.5 Fr	Roll	•	•	transparent	blue	4653.023
	BIVAP electrode bipo 21 Fr	Torus	•	–	blue	blue	46530213
	BIVAP electrode bipo 24.5 Fr	Torus	–	•	blue	blue	46530243
	Hook electrode 21/24.5 Fr	Hook	•	•	blue	blue	4653033

• suitable for corresponding sheath size – not suitable * in individual sterile packaging CI = continuous irrigation

Recommended accessories		Product no.
Protective sterilization sleeve for connection to max. 5 electrodes, reusable		33030

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RESECTION MASTER

WITH AUTOMATIC CHIP SUCTION

Size, Color coding	distal end	Outersheath for resectoscope 27 Fr	Working element passive mono/bipo / passive cutting	Telescope 30° Ø 3.3 mm SL 299 mm	Obturator for resectoscope
Sheath					
9 mm 27 Fr black		**8659.071**	**8659.2351**	**8656.422**	**8659.175**

Recommended accessories		Product no.
Tube set RESECTION PUMP 2228 disposable	PVC, (PACK = 10 PCS) in individual sterile packaging	**4170.2228**
HF monopolar connection cable		**see page GYN40/41**
Container (W x H x D) 400 X 60 X 200 mm	Internal dimensions (W x H x D): 400 x 57 x 200 mm External dimensions (W x H x D): 466 x 77 x 266 mm	**33022**
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (809.507), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	**806625231**

||24|| 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.

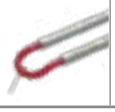
ELECTRODES

FOR RESECTION MASTER WITH AUTOMATIC CHIP SUCTION

30°, for multiple use, monopolar

	Designation	Bracket	for sheath sizes [in Fr] CI 27	Color coding Fork	Color coding Stem	Product no.
	Cutting electrode mono 27 Fr	Loop round Ø 0.25 mm	•	red	red	**8659.161**
	Vapo electrode mono 27 Fr	Loop cylindrical	•	blue	blue	**8659.162**

30°, for multiple use, monopolar/bipolar

	Designation	Bracket	for sheath sizes [in Fr] CI 27	Color coding Fork	Color coding Stem	Product no.
	**Hook electrode mono/bipo 27 Fr**	Hook	•	red	red	**8659163**

CI = continuous irrigation

30°, disposable, sterile*, bipolar

(PACK = 3 PCS)	Designation	Bracket	for sheath sizes [in Fr] CI 27	Color coding Fork	Color coding Stem	Product no.
	Cutting electrode bipo 27 Fr	Loop round Ø 0.25 mm	•	blue	blue	**4659.1613**
	Roller electrode bipo 27 Fr	Loop Roll Ø 0.3 mm	•	blue	blue	**4659.1623**

* in individual sterile packaging CI = continuous irrigation

Recommended accessories		Product no.
Protective sterilization sleeve for connection to max. 5 electrodes, reusable		**33030**

||24|| 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.

RESECTION PUMP 2228

MICROPROCESSOR-CONTROLLED HIGH-PERFORMANCE CHIP SUCTION PUMP WITH CLEAR LCD DISPLAY

		Product no.
RESECTION PUMP 2228 **Suction pump**		**2228.001**
also:		
Tube set RESECTION PUMP 2228 (PACK = 10 PCS,) packed singly, sterile	consisting of: Control tube with filter, irrigation tube with non-return valve, chip aspiration tube with non-return valve and pump tube	**4170.2228**
Bottle holder cpl.		**64030.125**
Bottle mount		**64031.381**
Overflow protection / bacteria filter for single use (PACK = 10 PCS)		**2228.901**
Chip collecting container 250 ml for tissue chips		**2228.801**
Tube insert for collecting container 250 ml		**2228.802**
Secretion container, 2 l	2 liters, without cover	**8170.6551**
Cover	for secretion trap 8170.6551, reusable	**8170.6552**
Sound absorber (PACK = 3 PCS)		**35100.115**
Connection tube recto pump		**8170.6554**
Power cable	cable length 3 m	**2440.03**

||24|| 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

RESECTION PUMP 2228

RESECTION PUMP 2228	**2228.001**
Device properties	
Operating conditions	+10°C to +40°C, 30% to 75% rel. humidity, atmospheric pressure 800 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
Power supply	
Mains + frequency	100–240 V~, 50/60 Hz
Power consumption	120 VA
Current rating	1.2–0.5
Fuse	T 1.6 AL 250 V
Regulatory standards	
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 II a
Degree of protection against the ingress of liquids	IP 20 (not protected)
Noise level	55 dB (A) (pump "ON" with container)
Operating mode	Continuous operation
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)
Dimensions and weights	
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
Relevant application parameters	
Vacuum Operation vacuum Maximum vacuum	 650 to 750 mbar +/- 50 mbar 750 mbar +/- 50 mbar
Suction pulse Level 1 (low) Level 2 (medium) Level 3 (high)	 3.8 ml +/- 0.5 ml 6.2 ml +/- 0.7 ml 9.2 ml +/- 1.0 ml

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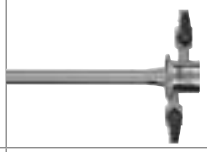
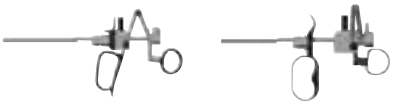
Shark BIPOLAR RESECTOSCOPE
FOR TELESCOPE 4 MM, 30°, 12
WITH CONTINUOUS IRRIGATION DOUBLE SHEATH SYSTEM FOR RESECTION IN SALINE SOLUTION

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

AUTOCLAVE
134° C / 273° F

Size, Color coding	distal end	Outersheath for resectoscope 24 Fr	Inner sheath for resectoscope 22 Fr	Telescope 30° Ø 4 mm NL 300 mm	Telescope 12° Ø 4 mm WL 297 mm	Obturators	
						Obturator for resectoscope 22 Fr	Viewing obturator for resecto-scope 22 Fr
Sheaths							
22/24 Fr green		**8675424**	**8675322**	**8654.422**	**8654.431**	**8673022**	**8673122**

also:

Working elements: see page GYN28 

Electrodes: see page GYN29

Recommended accessories		Product no.
HF bipolar connection cable		**see page GYN42/43**
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	**38016**
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	**806625231**

||24|| 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.

WORKING ELEMENTS

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

		Handle variants	cutting	Product no.
Active working element bipo 0/12/30° Cut is made against spring pressure		open	**active**	**8680.204**
Active working element bipo 0/12/30° Cut is made against spring pressure		closed		**8680.205**
Passive working element bipo 0/12/30° Cut is made with spring pressure		open	**passive**	**8680.224**
Passive working element bipo 0/12/30° Cut is made with spring pressure		closed		**8680.225**

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

||24|| 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.

ELECTRODES

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

12°/30°, for multiple use, bipolar

	Designation	Bracket	for sheath sizes [in Fr] CI 22/24	Color coding Fork	Color coding Stem	Model
	Cutting electrode bipo 22 Fr 12/30°	Loop round Ø 0.3 mm	•	blue	yellow	**8622133**
	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**

• suitable for corresponding sheath size CI = continuous irrigation

12°/30°, disposable, sterile*, bipolar

(PACK = 3 PCS)	Designation	Bracket	for sheath sizes [in Fr] CI 22/24	Color coding Fork	Color coding Stem	Model
	Cutting electrode mono 22 Fr 12/30°	Loop round Ø 0.25 mm	•	blue	blue	**4622.2533**
	Cutting electrode bipo 22 Fr 12/30°	Loop round Ø 0.3 mm	•	blue	blue	**4622.1333**
	Coag. electrode bipo 22 Fr 12/30°	Cylinder Ø 1.2 mm	•	blue	blue	**4623.0243**
	BIVAP electrode bipo 22 Fr 12/30°	Torus	•	blue	blue	**46300223**

• suitable for corresponding sheath size * in individual sterile packaging CI = continuous irrigation

Recommended accessories		Product no.
Protective sterilization sleeve for connection to max. 5 electrodes, reusable		**33030**

||24|| 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.

Shark MONOPOLAR RESECTOSCOPE FOR TELESCOPE 4 MM, 30°, 12°

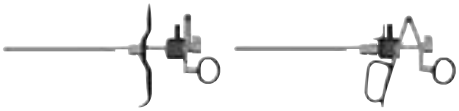
WITH CONTINUOUS IRRIGATION DOUBLE SHEATH SYSTEM

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

AUTOCLAVE
134° C / 273° F

Size, Color coding	distal end	Outersheath for resectoscope 24 Fr	Inner sheath for resectoscope 22 Fr	Telescope 30° Ø 4 mm NL 300 mm	Telescope 12° Ø 4 mm WL 297 mm	Obturators	
						Obturator for resectoscope 22 Fr	Viewing obturator for resecto-scope 22 Fr
Sheaths							
22/24 Fr green		**8675424**	**8675322**	**8654.422**	**8654.431**	**8673022**	**8673122**

also:

Working elements: see page GYN31 

Electrodes: see page GYN32/33

Recommended accessories		Product no.
HF monopolar connection cable		**see page GYN40/41**
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	**38016**
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (809.507), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	**806625231**

||24|| 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.

WORKING ELEMENTS

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

		Handle variants	cutting	Product no.
Active working element mono 12/30° Cut is made against spring pressure		closed	active	**8674205**
Active working element mono 12/30° Cut is made against spring pressure		closed with comfort thumb rest	active	**8674234**
Passive working element mono 12/30° Cut is made with spring pressure		open	passive	**8674224**
Passive working element mono 12/30° Cut is made with spring pressure		closed	passive	**8674225**

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

||24|| 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.

ELECTRODES

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

12°/30°, for multiple use, monopolar

	Designation	Bracket	for sheath sizes [in Fr] CI 22/24	Color coding Fork	Color coding Stem	Model
	Cutting electrode mono 22 Fr 12/30°	Loop round Ø 0.35 mm	•	green	dark gray	**86782235**
	Coag. electrode mono 22–24 Fr 12/30°	Roll	•	green	dark gray	**86782201**
	Coag. electrode mono 22–24 Fr 12/30°	Sphere	•	green	dark gray	**86782202**
	Coag. electrode mono 22–24 Fr 12/30°	Button	•	green	dark gray	**86782203**
	Knife electrode mono 22–24 Fr 12/30°	Knife	•	green	dark gray	**86782204**
	Hook electrode mono 22–24 Fr 12/30°	Hook	•	green	dark gray	**86782205**
	Wing electrode mono 22 Fr 12/30°	Wing (bracket profile, flat)	•	green	dark gray	**86782206**

• suitable for corresponding sheath size CI = continuous irrigation

Recommended accessories		Product no.
Protective sterilization sleeve for connection to max. 5 electrodes, reusable		**33030**

||24|| 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.

DISPOSABLE ELECTRODES

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

12°/30° disposable, sterile*, monopolar

	Designation	Bracket	for sheath sizes [in Fr] CI 22/24	Color coding Fork	Color coding Stem	Model
	Cutting electrode mono 22 Fr 12/30° (PACK = 10 PCS)	Loop round Ø 0.35 mm	•	green	transparent	**46782235**
	Cutting electrode mono 22 Fr 12/30° (PACK = 10 PCS)	Loop round Ø 0.25 mm	•	green	transparent	**46782225**
	Coag electrode mono 22–24 Fr 12/30° (PACK = 5 PCS)	Roll	•	green	transparent	**46782201**
	Coag electrode mono 22–24 Fr 12/30° (PACK = 5 PCS)	Sphere	•	green	transparent	**46782202**
	Coag electrode mono 22–24 Fr 12/30° (PACK = 5 PCS)	Button	•	green	transparent	**46782203**
	Knife electrode mono 22–24 Fr 12/30° (PACK = 5 PCS)	Knife	•	green	transparent	**46782204**
	Hook electrode mono 24 Fr 12/30° (PACK = 5 PCS)	Hook	•	green	transparent	**46782205**

• suitable for corresponding sheath size * in individual sterile packaging CI = continuous irrigation

||24|| 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 **Irrigation pump for HYS/URO/LAP**	Fluid management for flushing irrigation fluids into the uterus , as well as the upper and lower urinary tract, and for suction and irrigation in the abdomen	**2225001**
FLUID CONTROL 2225 **Irrigation pump for HYS/URO/LAP bndl**	consisting of: Irrigation pump for HYS/URO/LAP (2225001) Power cable (2440.03)	**22250011**
also:		
Balancing module	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	**2225023**

||24|| 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 TUBE SETS / CABLE ACCESSORIES

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

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)	**2206207**
	Irrigation tube	L 120 mm, with Luer-Lock, for suction irrigation handle 8385.901 and tube set 8171223 or 8170.223	**817123**
	Suction tube L 3 m	for suction irrigation handle 8385.901	**8171402**
	Secretion container, 2 l	2 liters, without cover	**8170.6551**
	Cover	for secretion trap 8170.6551, reusable	**8170.6552**
Accessories – disposable	**Secretion container, 2.5 l**	2.5 liters	**41706566**
	Secretion container bndl consisting of:	Secretion container 2.5 l (41706566) and secretion bag (PACK= 90 PCS) (41706564)	**4170657**
	Tube set for suction (2 connections)	sterile, disposable product, (PACK= 10 PCS) for connecting instruments to collecting container	**T0503-01**
	Straight plug-in coupling	(PACK= 10 PCS) For connecting vacuum tube 2206207 to disposable container systems	**077.1018**
	Angled 90° plug-in coupling	(PACK= 10 PCS) For connecting vacuum tube 2206207 to disposable container systems	**077.1019**

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

||24|| 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
Device properties		
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		- 20ºC to + 60ºC, 10% to 90% rel. humidity 70 to 106 kPa atmospheric pressure
Power supply		
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
Regulatory standards		
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
Dimensions and weights		
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

||24|| 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

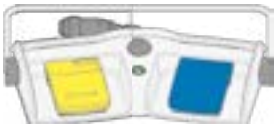
FLUID CONTROL 2225

Balancing module	2225023
Device properties	
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	- 20ºC to + 60ºC, 10% to 90% rel. humidity 70 to 106 kPa atmospheric pressure
Regulatory standards	
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
Dimensions and weights	
Weight	15.4 kg
Dimensions (W x H x D)	618 mm x 1,064 mm x 618 mm

||24|| 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.
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.
Footswitch, 2 pedals L 5 m with fixed connection cable, reusable 		**2260021**
Neutral electrode for use with high-frequency surgical device, Foil bag with 5 neutral electrodes, (PACK= 50 PCS)		**1280H**
Mono HF neutral electrode cable, L 4.5 m	4.5 m	**2260031**
Power cable	3.0 m	**2440.03**
Bipo HF connection cable L 3 m	3.0 m	**8108233**
Bipo HF connection cable L 5 m	5.0 m	**8108253**

||24|| 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

TECHNICAL DATA

HF surgical generator 400kHz		2260001/2260002
Device properties		
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
Power supply		
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
Regulatory standards		
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)
Dimensions and weights		
Weight		10.2 kg (22.4 lbs)
Dimensions (W x H x D)		300 x 159 x 419 mm

||24|| 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 MONO
815xxx

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

||24|| 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 MONO
8106XXX

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

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BIPO HF CONNECTION CABLE
8108xxx

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

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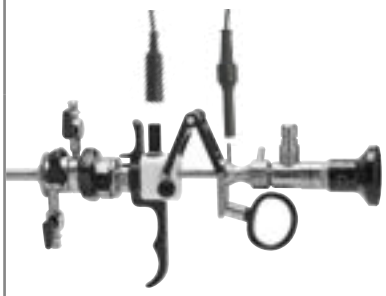
HF CONNECTION CABLE BIPO
FOR RESECTION IN SALINE SOLUTION

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

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MONO HF NEUTRAL ELECTRODE CABLE

Instrument connector	Device connector		Product no.
2-pole neutral electrode 	 R. Wolf HF surgical generator 400 kHz 2260001/2260002	**Mono HF neutral electrode cable, L 4.5 m**	**2260031**

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RICHARD WOLF

spirit of excellence

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