
erbe
power your performance.
Imaging portfolio

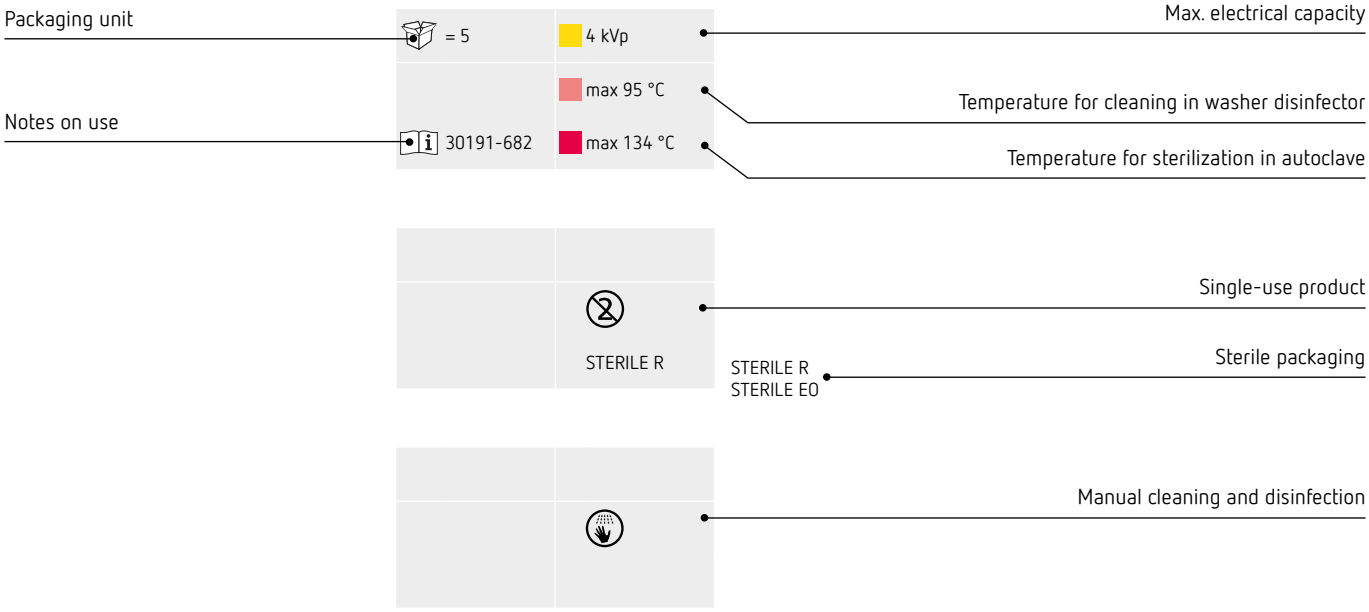
Important notes

The authors and Erbe Elektromedizin GmbH have taken the greatest possible care while compiling the catalogue with electrosurgical accessories. Nevertheless, it is impossible to exclude the possibility that errors may be contained herein.

The information and recommendations given here may not be construed as constituting any basis for any claims against Erbe Elektromedizin GmbH. Should legal regulations stipulate liability, such liability shall be limited to intentional misconduct or gross negligence.

The data on the use of instruments is based on clinical experience. Medical science is subject to a process of permanent change based on research and clinical experience. Therefore the products are subject to alterations in design and technique. Because of production tolerances dimensions in the catalogue may marginally differ.

Further product information



Please read carefully the corresponding notes on use before using any instrument.

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VIRON X camera system



The power of Imaging

The VIRON X camera system is designed for demanding applications: Impressive image quality in 4K and visualization of fluorescence offer a wide range of possibilities, especially in laparoscopy.

- 4K UHD: captured clarity by 4 CMOS sensors camera.
- NIR (ICG & autofluorescence) imaging: benefit from enhanced diagnostic precision in 3 visualisation modes.
- PLUG & PLAY: surgery presets help to quickly adjust camera settings according to your needs.
- VESMAX MODE Digital enhancement for high contrast visualization

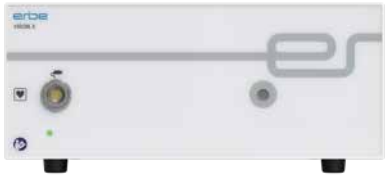
VIRON X camera system

Technical Specifications: VIRON X camera control unit		
Dimensions (L×W×H)	360×300×135 mm	
Weight	5.9 kg	
Mains voltage	100 to 240 V~	
Mains frequency	50/60 Hz	
Protection class	IP 30	
Applied parts	CF	
Mains fuse	2x T 1.6A H 250V (IEC 60127-2-5) (5x20mm)	
Classification in accordance with EU MDR 2017/745	Class I	
Bluetooth	Frequency -2.402 – 2.480 GHz RF Output Power – Normal Mode – 5.44 dBm (e.i.r.p) EDR mode – 5.49 dBm (e.i.r.p)	
Video output 4K	HDMI2.0 12G-SDI (SDI 1, SDI 2, SDI 3, SDI 4) Quad 3G-SDI (SDI 1, SDI 2, SDI 3, SDI 4)	3840 × 2160 59.94/50Hz 3840 × 2160 59.94/50Hz 3840 × 2160 59.94/50Hz
Video output HD	3G/HD-SDI (SDI 5, SDI 6) DVI	1920 × 1080P/I 59.94/50Hz 1920 × 1080P/I 59.94/50Hz
Output image	Single screen output	White light, NIR overlay, NIR Monochrome
Firmware update	USB 2 type (FAT32)	
Customizable visualization settings	11 surgery presets	
NIR technology	Yes	
Menu access	VIRON X User App (tablet); full function control via connected keyboard	
Recording function	No inbuilt recording. Trigger for externally connected recorder available via User App, keyboard, and camera buttons	

Technical Specifications: VIRON X camera head	
Camera head dimensions (L×W×H)	80×47×55 mm
Weight	185 g (without cable)
Camera coupler	C-mount
Image sensor technology and No. of sensors	1/3-inch CMOS sensor; 4
Cable length	3 m
No. of buttons	3
No. of functions on each key	2
No. of functions available	11
Recording function control	Yes – for external recorder
NIR/ICG visualization technology	Yes
Customizable visualization settings	Color; NIR monochrome; mixed (color + NIR)
Light source control	Yes – via camera buttons
Multi coupler compatibility	Yes
Disinfection	Wipe disinfection

VIRON X camera system

VIRON X camera control unit, 4K UHD



No. 10800-006	
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VIRON X camera head, 4K UHD



No. 10801-006	
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Accessories for VIRON X	Single-use	Piece	No.
Tablet to use with VIRON X		1	20800-010
Medical keyboard for VIRON X, blue LED backlighting closed silicone chassis, white, PS / 2 interface, USB-Interface		1	20800-011
 VIRON XO Illuminator, 150 mm		1	20821-004
VIRON XO Illuminator, 200 mm		1	20821-005
Camera cover for VIRON XO		40	20821-006

VIRON X camera system

Camera coupler		Piece	No.
	Camera coupler f=18 mm	1	20800-001
	Camera coupler f=20 mm	1	20800-002
	Camera coupler f=22 mm	1	20800-003
	Camera coupler f=25 mm	1	20800-005

Camera coupler, zoom		Piece	No.
	Camera coupler f=15-25 mm, zoom	1	20800-006
	Camera coupler f=15-35 mm, vario zoom	1	20800-007

Camera coupler, angled		Piece	No.
	Camera coupler f=18 mm, 90°, angled	1	20800-009

Cables – included	Piece	No.
Equipotential cable	1	52704-008
12G- SDI cable 2m long	1	52704-009
HDMI 2.0 Shielded	1	52704-011
3.5mm jack cable	1	52704-013
RS 232 Data cable for X-light	1	52704-014

Cables – to be ordered seperatly	Piece	No.
DVI- D Dual Link cable 2 m	1	52704-010
Fuse T 1.6A H 250V 5 x 20 mm	1	51611-113

VIRON 1 camera system



VIRON 1 System

Full HD imaging system with ergonomic and lightweight camera head

Plug & Play: Seven surgery presets help to quickly adjust camera settings according to your needs.

Integrated full HD recorder: The camera control unit comes with an integrated full HD recording feature to capture images and videos on an external usb device.

VesMax mode: Digital color enhancement mode for high contrast visualization

Multiple video outputs: The video image can be distributed in different directions at the same time e.g for visualization on multiple monitors.

VIRON 1 camera system	
Technical Specifications: VIRON 1 camera system	
Resolution	1920 x 1080
Image scan	Progressive scan
Operating modes	The system has 7 surgery presets to adjust camera settings 10 mm Laparoscopy 5 mm Laparoscopy Cystoscopy/Hysteroscopy Synoscopy Arthroscopy Ureterorenoscopy/flexible Custom
Output	2 x DVI-D/2 x HD-SDI/2 x S-Video/2 x Comp Video
Input	1 x USB (front)/1 x USB (back)/1 x Acc control/1 x Ethernet socket/1 x RS-232 communication socket/1 x PS 2
Color enhancement mode	VESMAX color enhancing function, by means of variation of color spectrum
Dimensions	300 x 74 x 365 mm
Weight	4.5 kg
Mains voltage	100–240 V
Power consumption	24–30 W
Mains frequency	50–60 Hz
Classification (according to MDR 2017/745)	Class I
Protection class	BF

VIRON 1 camera system	
Technical specifications: Camera head 10801-002	
Resolution	1920 x 1080
Image scan	Progressive scan
Sensor type	1 x CMOS
Sensor size	1/3"
Frequency	50/60 Hz
Operating mode	The system has 7 surgery presets to adjust camera settings: 10 mm Laparoscopy 5 mm Laparoscopy Cystoscopy/Hysteroscopy Synoscopy Arthroscopy Ureterorenoscopy/flexible Custom
Color enhancement	VESMAX colour enhancing function, by means of variation of color spectrum
Camera buttons	3 freely programmable keys. Possibility of assigning up to 2 functions for each key, choice of 19 available options
Interface for connecting coupler (lens)	Standard C-mount
Length of camera cable	3 m
Degree of protection against the ingress of liquid	IP ×7
Dimensions	35 x 40 x 88 mm
Weight	110 g (camera head only)
Mains voltage	100–240 V
Power consumption	24–30 W
Classification (according to MDR 2017/745)	Class I
Protection class	BF

VIRON 1 camera system

VIRON 1 camera control unit, Full HD



	No. 10800-002
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VIRON 1 camera head, Full HD



	No. 10801-002
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Camera coupler		Piece	No.
	Camera coupler f=18 mm	1	20800-001
	Camera coupler f=20 mm	1	20800-002
	Camera coupler f=22 mm	1	20800-003
	Camera coupler f=25 mm	1	20800-005

Camera coupler, zoom		Piece	No.
	Camera coupler f=15-25 mm, zoom	1	20800-006
	Camera coupler f=15-35 mm, vario zoom	1	20800-007

Camera coupler, angled		Piece	No.
	Camera coupler f=14mm, 90°, angled	1	20800-015
	Camera coupler f=18 mm, 90°, angled	1	20800-009

Cables – included in 10800-002	Piece	No.
Fuse T 1,0 A E	1	51611-109
Power cable 2m (EU)	1	52704-000
BNC cable 1.5m	1	52704-001
S-video cable 1.5m	1	52704-002
DVI-D cable 2m	1	52704-003
3.5mm Jack-accessory cable	1	52704-004

Light sources



LUMOS LED Light Source WL & NIR

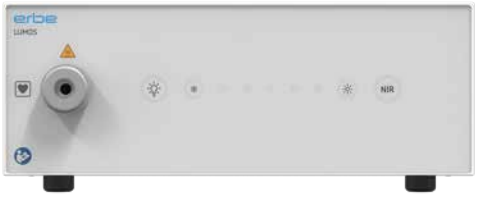
LUMOS combines white light and near-infrared illumination in a single light source, helping users improve visualization and streamline fluorescence-guided workflows.

- → Automatic adjustment of the light spectra (WL/NIR) when used with the VIRON X system
- → High image fidelity supporting confident surgical decisions (CRI ≥ 90)
- → Laser-free technology: Reduces the risk of thermal injury, improves handling confidence, and supports a safe intraoperative environment
- → Same level of anatomical clarity over the entire lifetime (bulb lifespan approx 30,000 hrs.)

Light sources

Technical Specifications	
Color rendering index (CRI)	90
Color temperature (white light)	Ca. 5400 K
Number of light outputs	1
Illumination technology	LED
LED life expectancy	30,000 h (WL); 30,000 h (NIR)
Number of LED´s	2 (1xWL, 1xNIR)
Operating mode(s)	Manual (front panel) & automatic (serial)
Power frequency	50 / 60 Hz
System voltage	100-240 V~
Potential equalization connection	Yes
Maximum power consumption	150 VA
Dimensions (H x W x D)	122.3 x 300 x 394.5 mm
Weight	6.7 kg
Classification (according to MDR 2017/745)	Class I
Certificate: IEC 60601-1, IEC 60601-1-2, IEC 60601-2-18, CB certificate	Yes
Applied part type	CF
IP – protection class	IP20
Manual cleaning	Wipe disinfection possible (mat. resistance)

LUMOS LED Light Source WL & NIR, for fluorescence imaging



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Accessories LUMOS	Piece	No.
Fiberoptic cable, Ø 3.5 mm, length 3 m, high temperature resistant 	1	20820-000
Fiberoptic cable, Ø 4.8 mm, length 3 m, high temperature resistant 	1	20821-000

Cables – included	Piece	No.
Power cable	1	52704-006
Equipotential cable	1	52704-008
RS-232 cable (included in VIRON X CCU 10800-006)	1	52704-014

Light sources



LED Light source

Powerful light source enables impeccable visibility of anatomic structures during surgical conditions.

→ Gradually adjustable light intensity

→ Light cable detection to avoid unintentional exposure

→ Remote on/off control from Erbe camera systems

Light sources

Technical Specifications	
Color temperature	6.000 °K
Lamp lifetime	>50,000 hours
Operating mode	Manual or automatic
Dimensions	300 x 74 x 365 mm
Weight	5.5 kg
Mains voltage	100-120/200-240 V
Mains frequency	50–60 Hz
Classification (according to MDR 2017/745)	Class I
Protection class	BF

LED 610 light source, cold light



	No. 10820-000
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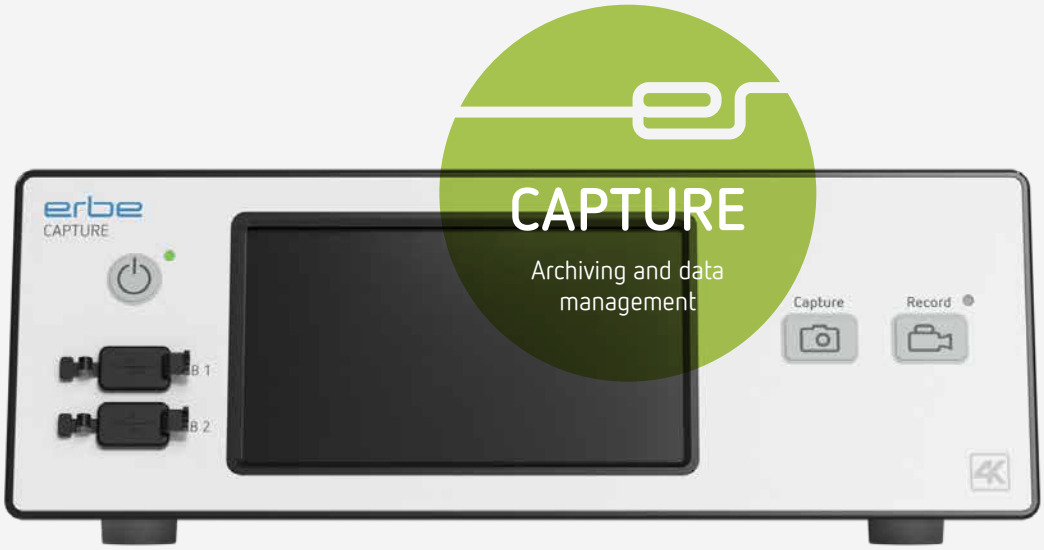
Accessories LED 610	Piece	No.
Fiberoptic cable, Ø 3.5 mm, length 3 m, high temperature resistant 	1	20820-000
Fiberoptic cable, Ø 4.8 mm, length 3 m, high temperature resistant 	1	20821-000

Cables – included	Piece	No.
Fuse T 1,6 A E	1	51611-111
Power cable 2m (EU)	1	52704-000
BNC video cable 1.5 m	1	52704-001

Components – to be ordered separately	Piece	No.
ACMI compatible light source adapter for 130X series fiber optic cable	1	40820-001
Olympus compatible light source adapter for 130X series fiber optic cable	1	40820-002
STORZ compatible light source adapter for 130X series fiber optic cable	1	40820-003
Wolf compatible light source adapter for 130X series fiber optic cable	1	40820-004
Cable for control of light source through external device like camera	1	52704-077

Recorder



4K-UHD Medical Video Recorder

Medical video recorder captures pictures and videos up to 4K.
12G-SDI input and output for optimal data transmission.

→ 4 TB internal hard disk

→ USB interfaces to record on external devices

→ Allocate savings to patient

→ DICOM store (still and video) & DICOM worklist

Medical video recorder, 4K UHD



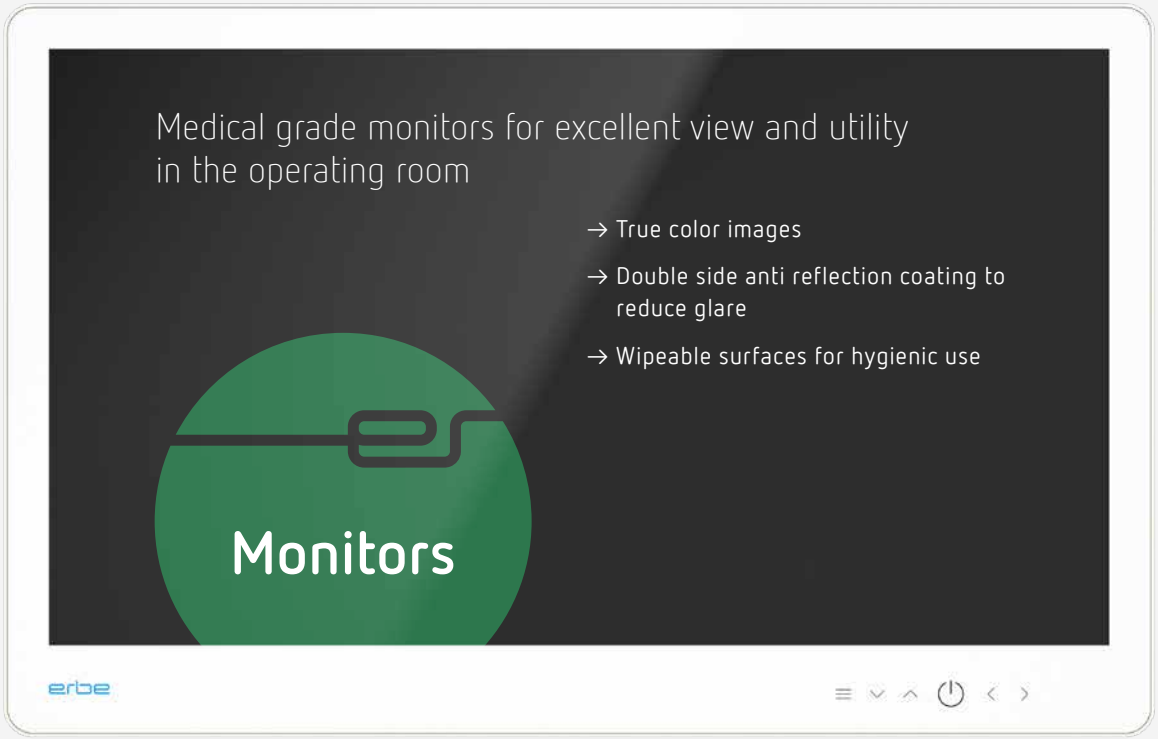
	No. 10860-000
= 1	

Recorder	
Technical specifications	
Image recording resolution	Full HD 1920x1080 4K-UHD 3840x2160
Video recording resolution	Full HD 1920x1080 4K-UHD 3840x2160
Image format	JPG, BMP, DICOM
Video format	MP4
Encoding formats	H.264, H.265
3D video recording	4K line-by-line 4K side-by-side
Internal memory	4TB
Input	1 x HDMI 2.0 1 x Display Port 1.4 2 x 12G-SDI 2 x 3G-SDI 1 x RS-232 communication port (mini USB) 2 x ACC inputs 1 x Ethernet port RJ45 (10/100/1000M) 2 x USB (back) 2 x USB (front)
Output	2x 12G-SDI 2 x 3G-SDI 1 x HDMI 1 x line out
DICOM, HL7	DICOM Store (image) Worklist mode MPPS Appointment booking (HL7)
DICOM Store	Direct access to PACS
Dimensions	260 x 95 x 330 mm
Weight	4.1 kg
Mains voltage	100–240 V
Power consumption	60 W max
Mains frequency	50–60 Hz
Classification (according to MDR 2017/745)	Class I

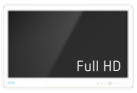
Components included in 10860-000	Piece	No.
AC power cord (6ft, 1.8m medical grade)	1	N/A
HDMI cable (2m)	1	N/A
Display Port cable	1	N/A
4 SDI cables (6ft, 1.8m)	1	N/A

Accessories Recorder	Piece	No.
WiFi connection module for wireless network integration (Medical video recorder 4K UHD)	1	20800-016

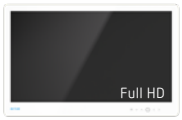
Monitors


Medical grade monitors for excellent view and utility in the operating room
→ True color images
→ Double side anti reflection coating to reduce glare
→ Wipeable surfaces for hygienic use
Monitors
erbe

Monitors









Technical specifications	10850-000	10850-001	10850-002	10850-004
Screen Size	21″	27″	32″	32″
Resolution	1920x1080	1920x1080	1920x1080	3840x2160
Scan technology	Progressive	Progressive	Progressive	Progressive
Aspect Ratio	16:9	16:9	16:9	16:9
Brightness	250 cd/m²			
Luminance	250 cd/m²	350 cd/m²	400 cd/m²	Max. 650 cd/m²
Contrast	1000:1	1000:1	1000:1	1700:1
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Viewing Angle	+178°/-178°	+178°/-178°	+178°/-178°	+178°/-178°
Input	1x S-Video 1x Composite 1x Display Port 1x DVI-I (1920x1080px)	1x S-Video 1x Composite 1x Display Port 1x DVI-I (1920x1080px)	1x S-Video 1x Composite 1x Display Port 1x DVI-I (1920x1080px)	4x SDI-IN (2x 12G-SDI, 2x3G-SDI) 2x HDMI 2.0 IN
Output				1x 12G-SDI Out (loop-through) 1x HDMI 2.0 Out (loop-through)
Special functions	Picture-in-picture mode	Picture-in-picture mode	Picture-in-picture mode	Picture-in-picture mode
WxHxD	517 x 340 x 58 mm	655 x 432 x 60mm	748 x 479 x 64mm	747x478x63 mm
Weight	5.5 kg	10.5 kg	16.5 kg	13 kg
Mounting system	Vesa 100	Vesa 100	Vesa 100	Vesa 100
System voltage	100-240V	100-240V	90-240V	100-240V
Electrical absorption	110W	110W	110W	200W
Classification (according to MDR 2017/745)	Class I	Class I	Class I	Class I

Cables (included in 10850-000,-001,-002)	Piece	No.
Power cable 2 m (EU)	1	52704-016
Equipotential cable 2 m	1	52704-017
S-video cable 2 m	1	52704-018
DVI-D cable 2 m	1	52704-019

Cables (included in 10850-004)	Piece	No.
Power cable 2 m (EU)	1	52704-016
Equipotential cable 2 m	1	52704-017
12G-SDI cable 2 m (4x)	1	52704-009
HDMI 2.0 Shielded	1	52704-011

CO_2 gas Insufflator



CO_2 gas insufflator

CO_2 gas insufflator

High performance insufflator with a flow rate up to 45 l/min for laparoscopic procedures.

→ Touch screen display for easy operation

→ Prevention of sudden cavity loss by high flow rate and monitoring of CO_2 gas supply

→ Reduced cross-contamination risk by external exflation valve

→ Internal gas pre-heating system

→ Specific setting for bariatric surgery (set pressure up to 25 mmHg

CO_2 gas insufflator 45l/min, with integrated gas preheater



	No. 10830-003
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CO_2 gas Insufflator

Technical specifications	
Maximum flow	45 l/min
High Flow mode	Max 45 l/min
Low Flow mode	Max 2 l/min
Pressure (mmHg)	0–20 mmHg "Standard mode" (1 mmHg increase) 0–25 mmHg "Bariatric mode" (1 mmHg increase)
CO_2 heating	Yes, preheating system
Insufflation tube	Reusable tube (20830-014), Hygiene filter (20830-015) Tubing for insufflator with integrated filter (20830-013)
Command and control interface	Touchscreen
Dimensions	310 x 136 x 385 mm
Weight	8 kg
System voltage	100–230 V AC 50/60Hz
Electrical absorption	75 VA
Risk class	Class I
Electrical protection	Type CF

Accessories (included)	Piece	No.
Power cable (EU)	1	N/A
External gas filter for gas connection	1	20830-016

Accessories for CO_2 gas insufflator	Piece	No.
Tube for insufflation with integrated filter	20	20830-013
Tube for insufflation	1	20830-014
Hygiene filter for CO_2 gas insufflator	50	20830-015
Flexible tubing 7/16"F UNF - PRESA NIST 180	1	20830-017
Low Pressure flexible tubing US 7/16 – AFNOR; L 7m	1	20830-018
Low Pressure flexible tubing US 7/16 – DIN; L 7m	1	20830-019
Low Pressure flexible tubing US 7/16 – AFNOR; L 1m	1	20830-020
Low Pressure flexible tubing US 7/16 – DIN; L 1m	1	20830-021
High pressure flexible tubing US 7/16 – DIN; L 1,25m	1	20830-022

Multiuse pump



REUSABLE TUBINGS

VARIOFLOW
Irrigation and suction system

Multiuse pump

Fluid pump with suction and irrigation capabilities

→ For distension, fluid aspiration and irrigation of body cavities
→ Customizeable through license keys cystoscopy, arthroscopy, spine
→ Touch screen display for easy operation
→ Monitoring of fluid deficit
→ Wireless foot switch operation

VARIOFLOW multiuse pump, interdisciplinary suction/irrigation pump



Sales release only in CE and CE related countries

	No. 10840-002
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	Multiuse pump
Technical specifications	
Multiuse pump for endoscopy	The system can be used for the following applications: - Laparascopy - Arthroscopy - Urology - Hysteroscopy - Spine procedure
Command and control monitor	5.6" touchscreen monitor
Pressure values	**Hysteroscopy:** 10 – 200 mmHg **Urology:** 10 – 150 mmHg **Laparoscopy:** not adjustable / automatic **Arthroscopy:** 10 – 150 mmHg **Spine procedure:** 10 – 100 mmHg
Flow range	**Hysteroscopy:** 0.1 – 0.5 l / m **Urologia:** 0.1 – 1.0 l / m **Laparoscopy:** 0.1 – 2.2 l / m **Arthroscopy:** 0.1 – 2.0 l / m **Spine procedure:** 0.1 – 0.8 l / m
Suction values	All programs up to -480 mmHg
Irrigation tubing set	Set of sterilizable silicone tubes including pressure sensor
Suction tubing set	Set of sterilizable (red) silicone tubes including hydrophobic filter
Dimensions	360 mm × 133 mm × 354 mm
Weight	approx. 8.2 kg
Mains voltage	100 – 240 V CA
Power consumption	80 VA
Mains frequency	50 – 60 Hz
Protection class	BF

Multiuse pump

Accessories (included)	Piece	No.
Irrigation tubing set, silicone, autoclavable; ■ max 95 °C; ■ max 134 °C	1	20840-007
Suction tubing set for VARIOFLOW multiuse pump; ■ max 95 °C; ■ max 134 °C	1	20840-010
Suction container 2 litres, autoclavable	1	20840-012
Holder für suction container	1	20840-013
Licence key Urology	1	20840-014
Licence key Hysteroscopy	1	20840-015
Mains cable Euro, L 2 m	1	20840-019
Fuses, type T 3.15 A H 250 V AC, case 5×20 mm	10	20840-020

Accessories (order separately)	Piece	No.
Foot switch for VARIOFLOW multiuse pump	1	20840-003
Balance unit for VARIOFLOW multiuse pump	1	20840-004
Foot switch battery charger	1	20840-005
Scale pan for Balance Unit	1	20840-006
Measuring chamber,autoclavable with pump segment	10	20840-008
Spare membrane for measuring chamber, autoclavable	1	20840-009
Hydrophobic filter, autoclavable for suction tubing set	1	20840-011
Licence key Arthroscopy	1	20840-016
Licence key Spine	1	20840-017
Service key inclusive Service Manual	1	20840-018

Multi-indication pump



SINGLE-USE AND REUSABLE TUBINGS

Multi-indication pump

Fluid pump with suction and irrigation capabilities

→ For distension, fluid aspiration and irrigation of body cavities
→ Customizeable through transponder laparoscopy, cystoscopy, hysteroscopy and arthroscopy
→ Touch screen display for easy operation
→ Improved pressure measuring due to the instrument detection function
→ RFID-protected tube sets ensure high patient safety

Multi-indication pump, interdisciplinary suction/irrigation pump



Single-use and reusable tubings

	No. 10840-003
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Multi-indication pump

Technical specifications	
Multi-indication pump for endoscopy	The system can be used for the following applications: - Laparascopy - Arthroscopy - Hysteroscopy - Urology
Pressure values	**Hysteroscopy:** 15 – 150 mmHg **Cystoscopy:** 10 – 90 mmHg **Laparoscopy:** not adjustable / automatic **Arthroscopy:** 5 – 150 mmHg
Flow range	**Hysteroscopy:** 0.05 – 0.5 l / m **Cystoscopy:** 0.025 – 0.5 l / m **Laparoscopy:** 1.0 – 1.8 l / m **Arthroscopy:** 0.1 – 1.8 l / m
Suction values	All programs up to -450 mmHg
Dimensions	380 mm × 142 mm × 370 mm
Weight	approx. 6.3 kg
Mains voltage	100 – 240 V
Power consumption	80 VA
Mains frequency	50 / 60 Hz
Protection class	BF

Accessories (included)	Piece	No.
Powercable (EU)	1	N/A

Accessories ordered separately	Piece	No.
License transponder, indication laparoscopy	1	20840-024
License transponder, indication arthroscopy	1	20840-025
License transponder, indication hysteroscopy	1	20840-026
License transponder, indication urology	1	20840-027
Double pedal foot switch	1	20840-028
Irrigation tube set, single-use	10	20840-029
Irrigation tube set, reusable, 20 times	1	20840-030
Suction tube set, 1 connection, single-use	10	20840-031
Suction tube set, 2 connections, single-use	10	20840-032
Vacuum tube set, incl. filter, 30 day use	1	20840-033

Carts







Technical specifications	20861-000	20861-001	20861-002
Width x Height x Depth	450x1306x624	450x1306x624	450x1491x624
Weight	78 kg	90 kg	148 kg
Isolating transformer	1200 VA	1600 VA	1600 VA
Shelves	3	4	4
Door	No	No	Yes
Classification (according to MDR 2017/745)	Class I	Class I	Class I

Accessories	Piece	No.
Tablet holder for cart	1	20861-003

Carts



Smart Cart
with isolation transformer



Smart Cart
without isolation transformer

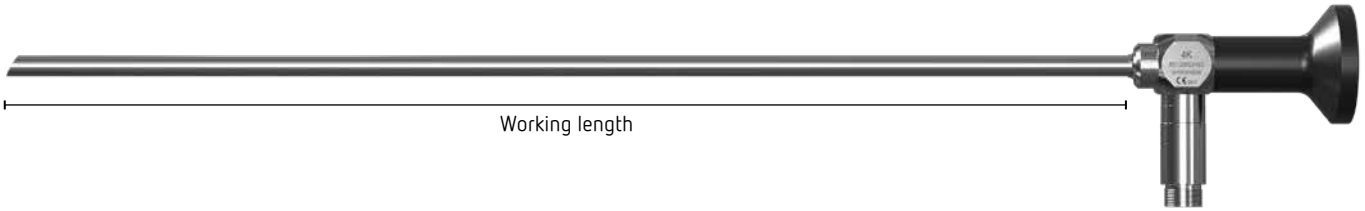
Technical specifications	20861-004	20861-005
Width x Height x Depth	550mm x 1260mm x 855mm	550mm x 1260mm x 855mm
Base footprint	55mm x 720 mm	55mm x 720 mm
Insulation Monitor dimension (w x d x h)	193mm x 33mm x 56mm	193mm x 33mm x 56mm
Weight	84 kg	84 kg
Wheels diameter	125mm	125mm
Number of shelves	2 and Drawer	2 and Drawer
Shelf size (w x d)	425mm x 430mm	425mm x 430mm
Height of shelf 1	at 390mm	at 390mm
Height of shelf 2	at 680mm	at 680mm
Maximal load capacity of shelf 1	15 kg	15 kg
Maximal load capacity of shelf 2	25 kg	25 kg
Maximal load capacity of drawer	12 kg	12 kg
Multi-plug connector	9 DIN power outlets	9 DIN power outlets
Potential equalization connection	yes	yes
Isolation transformer	yes	no
Manual cleaning	Wipe or spray disinfection	Wipe or spray disinfection

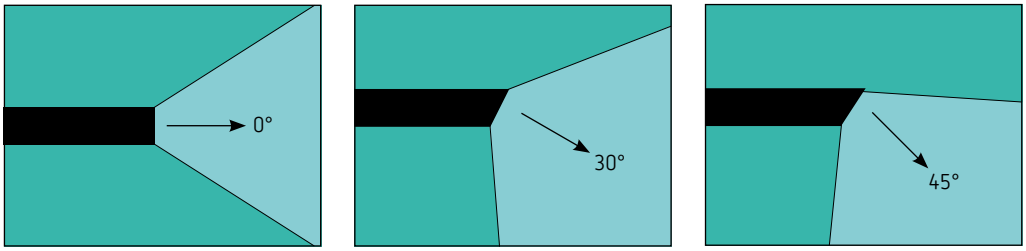
Accessories	Piece	No.
Monitor arm Smart Cart maximum length 951mm	1	20861-006
Monitor arm Smart Cart maximum length 790mm	1	20861-007
IV pole Smart Cart	1	20861-008



Instruments and accessories

Endoscopes





Description	Direction of view	Working length	Diameter	Performance class	No.
Laparoscope, Ø 10 mm, 0°, 4K NIR, working length 330 mm	0°	330 mm	10 mm	4K NIR	20860-007
Laparoscope, Ø 10 mm, 30°, 4K NIR, working length 330 mm	30°				20860-009
Laparoscope, Ø 10 mm, 45°, 4K NIR, working length 330 mm	45°				20860-011
Laparoscope, Ø 10 mm, 0°, 4K, working length 330 mm	0°			4K	20860-006
Laparoscope, Ø 10 mm, 30°, 4K, working length 330 mm	30°				20860-008
Laparoscope, Ø 10 mm, 45°, 4K, working length 330 mm	45°				20860-010
Laparoscope, Ø 10 mm, 0°, HD, working length 330 mm	0°			HD	20860-199
Laparoscope, Ø 10 mm, 30°, HD, working length 330 mm	30°				20860-200
Laparoscope, Ø 10 mm, 45°, HD, working length 330 mm	45°				20860-201
Laparoscope, Ø 5.5 mm, 0°, 4K NIR, working length 300 mm	0°	300 mm	5.5 mm	4K NIR	20860-001
Laparoscope, Ø 5.5 mm, 30°, 4K NIR, working length 300 mm	30°				20860-003
Laparoscope, Ø 5.5 mm, 45°, 4K NIR, working length 300 mm	45°				20860-005
Laparoscope, Ø 5.5 mm, 0°, 4K, working length 300 mm	0°			4K	20860-000
Laparoscope, Ø 5.5 mm, 30°, 4K, working length 300 mm	30°				20860-002
Laparoscope, Ø 5.5 mm, 45°, 4K, working length 300 mm	45°				20860-004
Laparoscope, Ø 5.5 mm, 0°, HD, working length 300 mm	0°			HD	20860-196
Laparoscope, Ø 5.5 mm, 30°, HD, working length 300 mm	30°				20860-197
Laparoscope, Ø 5.5 mm, 45°, HD, working length 300 mm	45°				20860-198
Laparoscope, bariatric, Ø 10 mm, 0°, 4K, working length 450 mm	0°	450 mm	10 mm	4K	20860-012
Laparoscope, bariatric, Ø 10 mm, 30°, 4K, working length 450 mm	30°				20860-013
Laparoscope, bariatric, Ø 10 mm, 45°, 4K, working length 450 mm	45°				20860-014
Laparoscope, bariatric, Ø 5.5 mm, 0°, 4K, working length 424 mm	0°	424 mm	5.5 mm	4K	20860-015
Laparoscope, bariatric, Ø 5.5 mm, 30°, 4K, working length 424 mm	30°				20860-016
Laparoscope, bariatric, Ø 5.5 mm, 45°, 4K, working length 425 mm	45°	425 mm			20860-017

Accessories for laparoscopes	Piece	No.
Wire basket 640 x 150 mm for one endoscope and fiberoptic cable	1	20860-195

Veress needles

Veress insufflation needle, working length 120 mm



No. 20860-067
= 1
max 137 °C

Veress insufflation needle, working length 150 mm



No. 20860-068
= 1
max 137 °C

Needle holders

TC Endo needle holder, axial, straight, Ø 5 mm, working length 330 mm



No. 20860-080
= 1
max 137 °C

TC Endo needle holder, axial, right curved, Ø 5 mm, working length 330 mm



No. 20860-081
= 1
max 137 °C

TC Endo needle holder, axial, left curved, Ø 5 mm, working length 330 mm





No. 20860-082
= 1
max 137 °C

TC Endo needle holder, pistol, straight, Ø 5 mm, working length 330 mm



No. 20860-083
= 1
max 137 °C

Needle holders

TC Endo needle holder, pistol, left curved, Ø 5 mm, working length 330 mm



No. 20860-084	
= 1	
	max 137 °C

TC Endo needle holder, gun, right curved, Ø 5 mm, working length 330 mm



No. 20860-085	
= 1	
	max 137 °C

Suction irrigation

Suction-irrigation handle, Ø 5 mm, with two trumpet valves



No. 20860-069
= 1
max 137 °C

Suction-irrigation handle, Ø 5 mm, with two trumpet valves



No. 20860-071
= 1
max 137 °C

Suction tube, Ø 5 mm, 4 holes, working length 330 mm



No. 20860-072
= 1
max 137 °C

Suction tube, Ø 5 mm, 16 holes, working length 327.5 mm



No. 20860-073
= 1
max 137 °C

Suction tube, Ø 10 mm, 32 holes, working length 330 mm



No. 20860-074
= 1
max 137 °C

Suction tube, Ø 5 mm, 48 holes, working length 330 mm



No. 20860-075
= 1
max 137 °C

Suction irrigation

Suction tube, Ø 5 mm, 48 -hole, working length 500 mm



No. 20860-076	
= 1	
	max 137 °C

Suction tube, puncture needle, Ø 5 mm, 48 holes, working length 330 mm



No. 20860-077	
= 1	
	max 137 °C

Suction/irrigation tube Ø 3 mm, 4 holes, working length 340 mm



No. 20860-078	
= 1	
	max 137 °C

Suction/irrigation tube Ø 5 mm, 4 holes, working length 340 mm



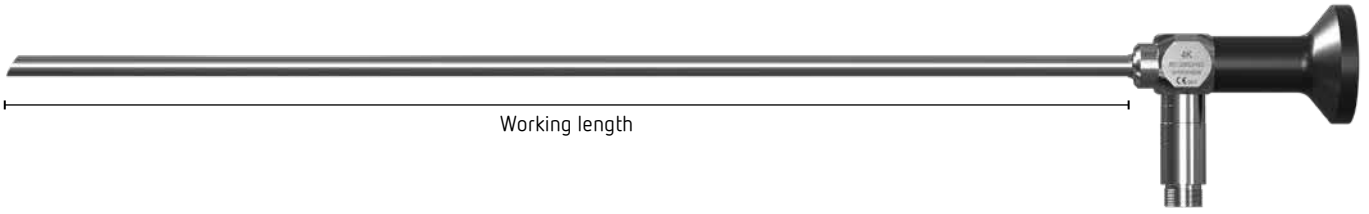
No. 20860-079	
= 1	
	max 137 °C

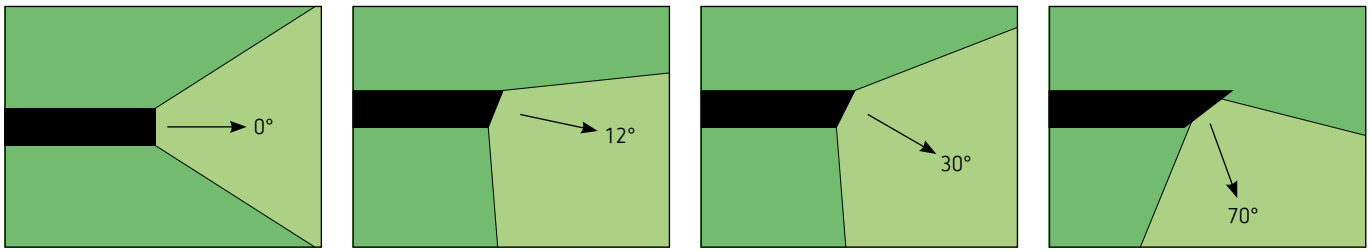
Suction-irrigation pistol handle with 2 way valves



No. 20860-018	
= 1	
	max 137 °C

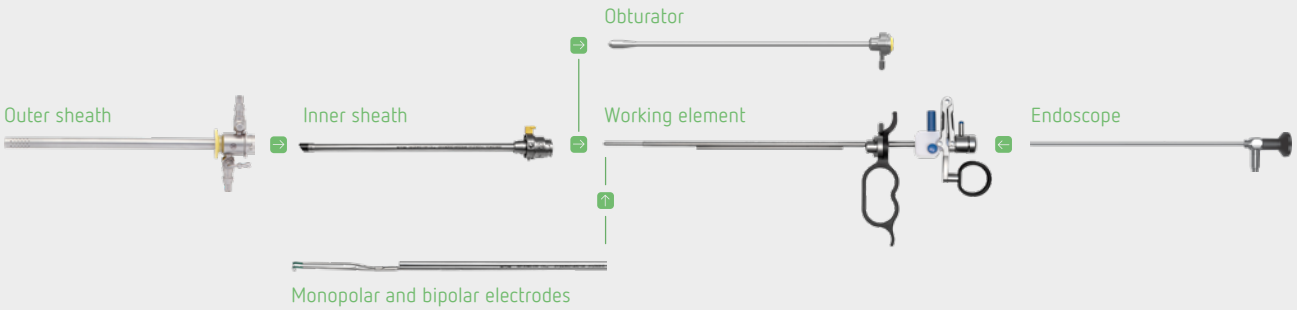
Endoscopes





Description	Direction of view	Working length	Diameter	Performance class	No.
Endoscope for hysteroscope, Ø 4 mm, 0°, HD, working length 300 mm	0°	300 mm	4 mm	HD	20862-000
Endoscope for hysteroscope, Ø 4 mm, 12°, HD, working length 300 mm	12°				20862-001
Endoscope for hysteroscope, Ø 4 mm, 30°, HD, working length 300 mm	30°				20862-002
Endoscope for hysteroscope, Ø 4 mm, 70°, HD, working length 300 mm	70°				20862-003
Endoscope for hysteroscope, Ø 2.9 mm, 0°, HD, working length 300 mm	0°		2.9 mm		20862-004
Endoscope for hysteroscope, Ø 2.9 mm, 12°, HD, working length 300 mm	12°				20862-005
Endoscope for hysteroscope, Ø 2.9 mm, 30°, HD, working length 300 mm	30°				20862-006

Resectoscopes



Working element, monopolar, for resectoscope 26/24 CH, passive, with protection rod



No. 20862-018	
= 1	
	max 134 °C

Working element, monopolar, for resectoscope 26/24 CH, active, with protection rod



No. 20862-019	
= 1	
	max 134 °C

Working element, bipolar, for resectoscope 26/24 CH, passive, with protection rod



No. 20862-020	
= 1	
	max 134 °C

Resectoscopes

Working element, bipolar, for resectoscope 26/24 CH, active, with protection rod



No. 20862-021	
= 1	
	max 134 °C

Protection rod for working element



No. 20862-022	
= 1	
	max 134 °C

Outer sheath for resectoscope, 26 CH



No. 20862-024	
= 1	
	max 134 °C

Inner sheath for resectoscope, 24 CH



No. 20862-026	
= 1	
	max 134 °C

Obturator for resectoscope sheath



No. 20862-035	
= 1	
	max 134 °C

Obturator for resectoscope shaft, angled



No. 20862-036	
= 1	
	max 134 °C

Resectoscopes

Visual obturator for resectoscope sheath



No. 20862-037	
= 1	
	max 134 °C

Visual obturator for resectoscope sheath with working channel



No. 20862-038	
= 1	
	max 134 °C

Sheath for resectoscope



No. 20862-039	
= 1	
	max 134 °C

Roller electrode, monopolar, Ø 3 mm, serrated, for resectoscope 24/26 CH



No. 20862-040	
= 5	2 kVp
	max 134 °C

Roller electrode, monopolar, Ø 5 mm, serrated, for resectoscope 24/26 CH



No. 20862-041	
= 5	2 kVp
	max 134 °C

Knife electrode, monopolar, for resectoscope 24/26 CH



No. 20862-042	
= 5	2 kVp
	max 134 °C

Resectoscopes

Loop electrode, monopolar, straight, for resectoscope 24/26 CH



No. 20862-043

= 5 | 2 kVp | max 134 °C

Loop electrode, monopolar, angled 30°, for resectoscope 24/26 CH



No. 20862-044

= 5 | 2 kVp | max 134 °C

Loop electrode, monopolar, angled 90°, for resectoscope 24/26 CH



No. 20862-045

= 5 | 2 kVp | max 134 °C

Vaporisation electrode, monopolar, for resectoscope 24/26 CH



No. 20862-046

= 5 | 2 kVp | max 134 °C

Conical electrode, monopolar, for resectoscope 24/26 CH



No. 20862-047

= 5 | 2 kVp | max 134 °C

Ball electrode, monopolar, Ø 3 mm, for resectoscope 24/26 CH



No. 20862-048

= 5 | 2 kVp | max 134 °C

Ball electrode, monopolar, Ø 5 mm, for resectoscope 24/26 CH



No. 20862-049

= 5 | 2 kVp | max 134 °C

Resectoscopes

Roller electrode, monopolar, Ø 3 mm, plain, for resectoscope 24/26 CH



No. 20862-050

= 5 | 2 kVp | max 134 °C

Roller electrode, monopolar, Ø 5 mm, plain, for resectoscope 24/26 CH



No. 20862-051

= 5 | 2 kVp | max 134 °C

Roller electrode, bipolar, Ø 3 mm, serrated, for resectoscope 24/26 CH



No. 20862-052

= 5 | 2 kVp | max 134 °C

Roller electrode, bipolar, Ø 5 mm, serrated, for resectoscope 24/26 CH



No. 20862-053

= 5 | 2 kVp | max 134 °C

Knife electrode, bipolar, for resectoscope 24/26 CH



No. 20862-054

= 5 | 2 kVp | max 134 °C

Loop electrode, bipolar, straight, for resectoscope 24/26 CH



No. 20862-055

= 5 | 2 kVp | max 134 °C

Loop electrode, bipolar, angled 30°, for resectoscope 24/26 CH



No. 20862-056

= 5 | 2 kVp | max 134 °C

Resectoscopes

Loop electrode, bipolar, angled 90°, for resectoscope 24/26 CH



No. 20862-057	
= 5	2 kVp
	max 134 °C

Vaporisation electrode, bipolar, for resectoscope 24/26 CH



No. 20862-058	
= 5	2 kVp
	max 134 °C

Conical electrode, bipolar, for resectoscope 24/26 CH



No. 20862-059	
= 5	2 kVp
	max 134 °C

Ball electrode, bipolar, Ø 3 mm, for resectoscope 24/26 CH



No. 20862-060	
= 5	2 kVp
	max 134 °C

Ball electrode, bipolar, Ø 5 mm, for resectoscope 24/26 CH



No. 20862-061	
= 5	2 kVp
	max 134 °C

Roller electrode, bipolar, Ø 3 mm, plain, for resectoscope 24/26 CH



No. 20862-062	
= 5	2 kVp
	max 134 °C

Roller electrode, bipolar, Ø 5 mm, plain, for resectoscope 24/26 CH



No. 20862-063	
= 5	2 kVp
	max 134 °C

Resectoscopes

Roller electrode, monopolar, Ø 3 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-092	
= 10	3.5 kVp
	STERILE EO

Roller electrode, monopolar, Ø 5 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-093	
= 10	3.5 kVp
	STERILE EO

Knife electrode, monopolar, for 12°, for resectoscope 24/26 CH, single-use



No. 20864-094	
= 10	3.5 kVp
	STERILE EO

Knife electrode, monopolar, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-095	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, curved down, for resectoscope 24/26 CH, single-use



No. 20864-096	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, curved right, for resectoscope 24/26 CH, single-use



No. 20864-097	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, for 0°, for resectoscope 24/26 CH, single-use



No. 20864-098	
= 10	3.5 kVp
	STERILE EO

Resectoscopes

Cutting electrode, monopolar, 45° angled, for resectoscope 24/26 CH, single-use



No. 20864-099	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, for 30°, medium sized, for resectoscope 24/26 CH, single-use



No. 20864-100	
= 10	3.5 kVp
	STERILE EO

Necklace electrode, monopolar, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-101	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, 90°, medium sized, for resectoscope 24/26 CH, single-use



No. 20864-102	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, for 12°, for resectoscope 24/26 CH, single-use



No. 20864-103	
= 10	3.5 kVp
	STERILE EO

Spike electrode, monopolar, Ø 3 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-104	
= 10	3.5 kVp
	STERILE EO

Spike electrode, monopolar, Ø 5 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-105	
= 10	3.5 kVp
	STERILE EO

Resectoscopes

Ball electrode, monopolar, Ø 3 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-106	
= 10	3.5 kVp
	STERILE EO

Ball electrode, monopolar, Ø 5 mm, for resectoscope 24/26 CH, single-use



No. 20864-107	
= 10	3.5 kVp
	STERILE EO

Barrel electrode, monopolar, Ø 3 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-108	
= 10	3.5 kVp
	STERILE EO

Needle electrode, bipolar, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-109	
= 5	3.5 kVp
	STERILE EO

Needle electrode, bipolar, for 12°, for resectoscope 24/26 CH, single-use



No. 20864-110	
= 5	3.5 kVp
	STERILE EO

Cutting electrode, bipolar, for 0°, large, for resectoscope 24/26 CH, single-use



No. 20864-111	
= 5	3.5 kVp
	STERILE EO

Cutting electrode, bipolar, for 0°, medium sized, for resectoscope 24/26 CH, single-use



No. 20864-112	
= 5	3.5 kVp
	STERILE EO

Resectoscopes

Cutting electrode, bipolar, 45° angled, for resectoscope 24/26 CH, single-use



No. 20864-113	
= 5	3.5 kVp
	STERILE EO

Cutting electrode, bipolar, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-114	
= 5	3.5 kVp
	STERILE EO

Cutting electrode, bipolar, for 30°, large, for resectoscope 24/26 CH, single-use



No. 20864-115	
= 5	3.5 kVp
	STERILE EO

Cutting electrode, bipolar, for 12°, for resectoscope 24/26 CH, single-use



No. 20864-116	
= 5	3.5 kVp
	STERILE EO

Cutting electrode, bipolar, for 12°, medium sized, for resectoscope 24/26 CH, single-use



No. 20864-117	
= 5	3.5 kVp
	STERILE EO

Cutting electrode, bipolar, for 12°, 180 µ, for resectoscope 24/26 CH, single-use



No. 20864-118	
= 5	3.5 kVp
	STERILE EO

Cutting electrode, bipolar, for 12°, 300 µ, for resectoscope 24/26 CH, single-use



No. 20864-119	
= 5	3.5 kVp
	STERILE EO

Resectoscopes

Band electrode, bipolar, for 12°, 370 µ, for resectoscope 24/26 CH, single-use



No. 20864-120	
= 5	3.5 kVp
	STERILE EO

Oval button electrode, bipolar, 90° angled, for resectoscope 24/26 CH, single-use



No. 20864-121	
= 5	3.5 kVp
	STERILE EO

Plasma button electrode, bipolar, for resectoscope 24/26 CH, single-use



No. 20864-122	
= 5	3.5 kVp
	STERILE EO

Enucleation electrode, bipolar, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-123	
= 5	3.5 kVp
	STERILE EO

Ball electrode, bipolar, Ø 3 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-124	
= 5	3.5 kVp
	STERILE EO

Ball electrode, bipolar, Ø 5 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-125	
= 5	3.5 kVp
	STERILE EO

Roller electrode, bipolar, Ø 1.2 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-126	
= 5	3.5 kVp
	STERILE EO

Resectoscopes

Cutting electrode, bipolar, for 30°, for resectoscope 18.5 CH, single-use



No. 20864-127	
= 5	3.5 kVp
	STERILE EO

Ball electrode, bipolar, Ø 2 mm, for 12°, for resectoscope 18.5 CH, single-use



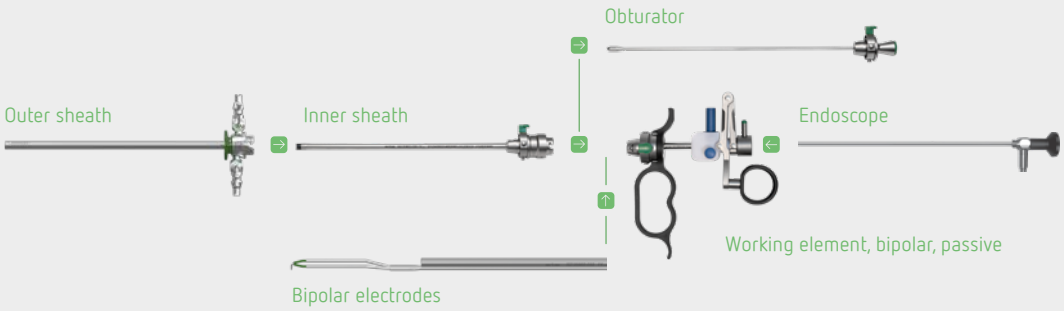
No. 20864-128	
= 5	3.5 kVp
	STERILE EO

Needle electrode, bipolar, 90° angled, for resectoscope 18.5 CH, single-use



No. 20864-129	
= 5	3.5 kVp
	STERILE EO

Mini Resectoscope for Ø 2.9 mm



Working element, bipolar, for mini resectoscope 18.5/17.5 CH



No. 20862-023	
= 1	
	max 134 °C

Obturator for inner sheath for mini resectoscope, 17.5 CH



No. 20862-029	
= 1	
	max 134 °C

Outer sheath for mini resectoscope, 18.5 CH



No. 20862-027	
= 1	
	max 134 °C

Inner sheath for mini resectoscope, 17.5 CH



No. 20862-028	
= 1	
	max 134 °C

Mini Resectoscope for Ø 2.9 mm

Inner sheath for hysteroscope with working channel, Ø 2.9 mm

Compatibility with 20862-027



No. 20862-034	
= 1	
	max 134 °C

Loop electrode, angled, for mini resectoscope 18.5/17.5 CH



No. 20862-030	
= 5	2 kVp
	max 134 °C

Ball electrode, for mini resectoscope 18.5/17.5 CH

No. 20862-031	
= 5	2 kVp
	max 134 °C

Knife electrode, for mini resectoscope 18.5/17.5 CH

No. 20862-032	
= 5	2 kVp
	max 134 °C

Loop electrode, straight, for mini resectoscope 18.5/17.5 CH



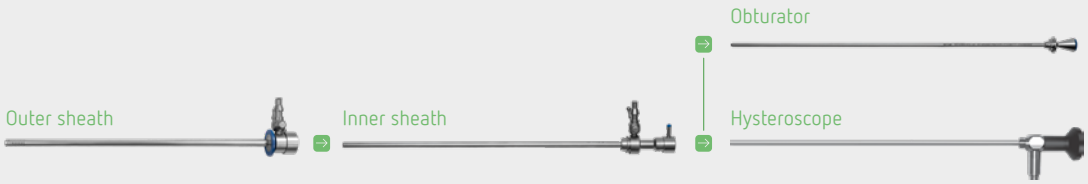
No. 20862-033	
= 5	2 kVp
	max 134 °C

Accessories for resectoscopes and mini resectoscopes

Cables, tubes, tray	Piece	No.
HF cable, monopolar, for resectoscope 	1	20862-073
Bipolar connecting cable, for WOLF resectoscopes, with MF plug, 4 m for VIO 3 and VIO 300 D from version V.1.6.2 on 	1	20196-119
Bipolar connecting cable, for WOLF resectoscopes, with MF-U plug, 4.5 m only for VIO 3 	1	21196-119
Sterilisation tube for resectoscope electrodes and urethrotome cold knives 	1	20862-064
Resectoscope wire basket 540x253x47mm 	1	20862-087

Hysteroscope Ø 4 mm – Diagnostic

Continuous flow diagnostic sheaths for Ø 4 mm hysteroscope



Inner sheath for hysteroscope, Ø 4 mm, 0°, working length 260 mm



No. 20862-007	
= 1	
	max 134 °C

Inner sheath for hysteroscope, Ø 4 mm, 30°, working length 260 mm



No. 20862-008	
= 1	
	max 134 °C

Outer sheath for hysteroscope, Ø 4 mm, 0° and 30°, working length 240 mm



No. 20862-009	
= 1	
	max 134 °C

Obturator for diagnostic inner sheaths for hysteroscope Ø 4 mm, for 20862-007, 20862-008



No. 20862-010	
= 1	
	max 134 °C

Hysteroscope Ø 4 mm – Operative

Continuous flow operating sheath for Ø 4 mm hysteroscope



Outer sheath for hysteroscope, Ø 4 mm, 30°, working length 192 mm



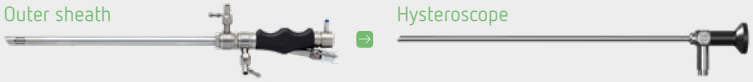
No. 20862-013
= 1
max 134 °C

Inner sheath for hysteroscope with instrument channel, Ø 4 mm, 30°



No. 20862-014
= 1
max 134 °C

Continuous flow operating sheath Ø 8 mm for Ø 4 mm hysteroscope



Sheath for hysteroscope with working channel, Ø 4 mm, 0°, working length 200 mm



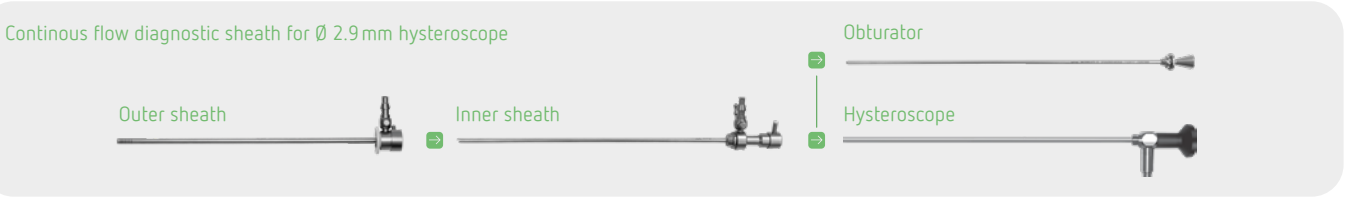
No. 20862-011
= 1
max 134 °C

Sheath for hysteroscope with working channel, Ø 4 mm, 30°, working length 200 mm



No. 20862-012
= 1
max 134 °C

Hysteroscope Ø 2.9 mm – Diagnostic



Sheath for hysteroscope Ø 2.9 mm, 0°, working length 270 mm



No. 20862-065
= 1
max 134 °C

Sheath for hysteroscope Ø 2.9 mm, 30°, working length 270 mm



No. 20862-066
= 1
max 134 °C

Inner sheath for hysteroscope, Ø 2.9 mm, 0°, working length 260 mm



No. 20862-067
= 1
max 134 °C

Inner sheath for hysteroscope, Ø 2.9 mm, 30°, working length 260 mm



No. 20862-068
= 1
max 134 °C

Outer sheath for hysteroscope, Ø 2.9 mm, 0° and 30°, working length 240 mm



No. 20862-069
= 1
max 134 °C

Obturator for inner sheath for hysteroscope Ø 2.9 mm



No. 20862-070
= 1
max 134 °C

Hysteroscope Ø 2.9 mm – Operative

Continous flow diagnostic sheath for Ø 2.9 mm hysteroscope



Outer sheath for hysteroscope, Ø 2.9 mm, 30°, working length 192 mm



No. 20862-071	
= 1	
	max 134 °C

Inner sheath for hysteroscope with working channel, Ø 2.9 mm, 30°



No. 20862-072	
= 1	
	max 134 °C

Flexible bipolar electrodes

Ball electrode, bipolar, for 5CH working channel, working length 360 mm



No. 20862-015	
= 1	
	max 134 °C

Needle electrode, bipolar, for 5CH working channel, working length 360 mm



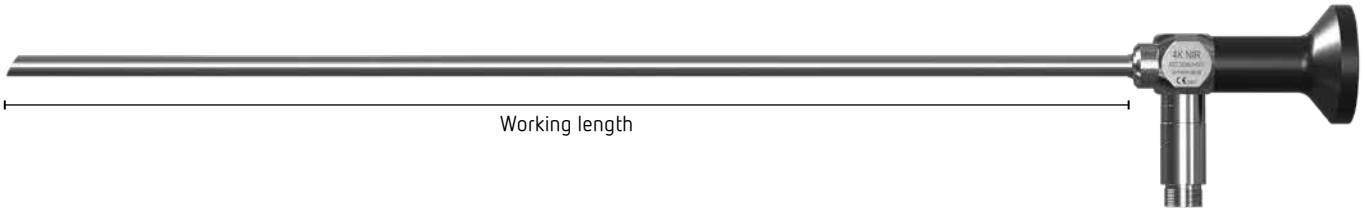
No. 20862-016	
= 1	
	max 134 °C

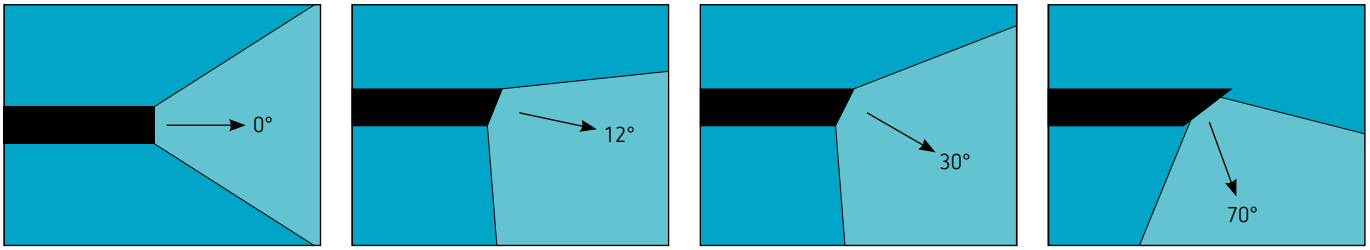
Needle electrode, bipolar, curved, for 5CH working channel, working length 360 mm



No. 20862-017	
= 1	
	max 134 °C

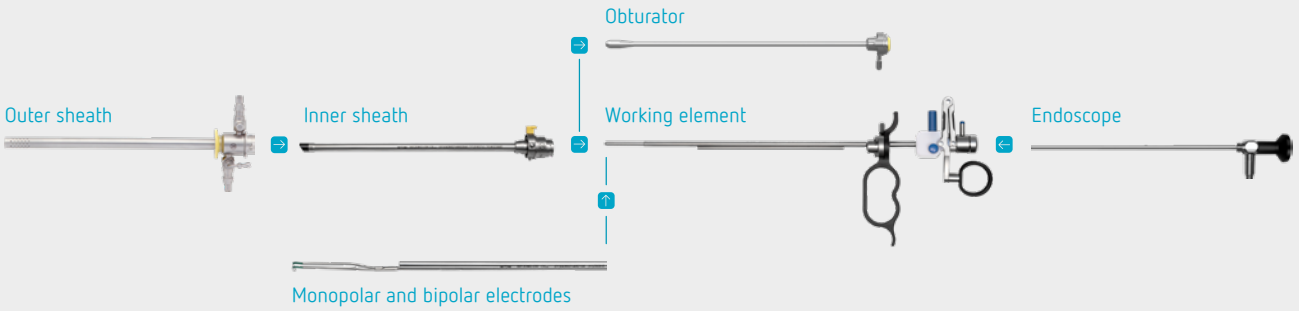
Endoscopes





Description	Direction of view	Working length	Diameter	Performance class	No.
Endoscope for cystoscope, Ø 4 mm, 0°, HD, working length 300 mm	0°	300 mm	4 mm	HD	20864-000
Endoscope for cystoscope, Ø 4 mm, 12°, HD, working length 300 mm	12°				20864-001
Endoscope for cystoscope, Ø 4 mm, 30°, HD, working length 300 mm	30°				20864-002
Endoscope for cystoscope, Ø 4 mm, 70°, HD, working length 300 mm	70°				20864-003

Resectoscopes



Working element, monopolar, for resectoscope 26/24 CH, passive, with protection rod



No. 20862-018
= 1
max 134 °C

Working element, monopolar, for resectoscope 26/24 CH, active, with protection rod



No. 20862-019
= 1
max 134 °C

Working element, bipolar, for resectoscope 26/24 CH, passive, with protection rod



No. 20862-020
= 1
max 134 °C

Resectoscopes

Working element, bipolar, for resectoscope 26/24 CH, active, with protection rod



No. 20862-021	
= 1	
	max 134 °C

Protection rod for working element



No. 20862-022	
= 1	
	max 134 °C

Outer sheath for resectoscope, 26 CH



No. 20862-024	
= 1	
	max 134 °C

Inner sheath for resectoscope, 24 CH



No. 20862-026	
= 1	
	max 134 °C

Obturator for resectoscope sheath



No. 20862-035	
= 1	
	max 134 °C

Obturator for resectoscope shaft, angled



No. 20862-036	
= 1	
	max 134 °C

Resectoscopes

Visual obturator for resectoscope sheath



No. 20862-037

= 1

max 134 °C

Visual obturator for resectoscope sheath with working channel



No. 20862-038

= 1

max 134 °C

Sheath for resectoscope



No. 20862-039

= 1

max 134 °C

Roller electrode, monopolar, Ø 3 mm, serrated, for resectoscope 24/26 CH



No. 20862-040

= 5

2 kVp

max 134 °C

Roller electrode, monopolar, Ø 5 mm, serrated, for resectoscope 24/26 CH



No. 20862-041

= 5

2 kVp

max 134 °C

Knife electrode, monopolar, for resectoscope 24/26 CH



No. 20862-042

= 5

2 kVp

max 134 °C

Resectoscopes

Loop electrode, monopolar, straight, for resectoscope 24/26 CH



No. 20862-043

= 5 | 2 kVp | max 134 °C

Loop electrode, monopolar, angled 30°, for resectoscope 24/26 CH



No. 20862-044

= 5 | 2 kVp | max 134 °C

Loop electrode, monopolar, angled 90°, for resectoscope 24/26 CH



No. 20862-045

= 5 | 2 kVp | max 134 °C

Vaporisation electrode, monopolar, for resectoscope 24/26 CH



No. 20862-046

= 5 | 2 kVp | max 134 °C

Conical electrode, monopolar, for resectoscope 24/26 CH



No. 20862-047

= 5 | 2 kVp | max 134 °C

Ball electrode, monopolar, Ø 3 mm, for resectoscope 24/26 CH



No. 20862-048

= 5 | 2 kVp | max 134 °C

Ball electrode, monopolar, Ø 5 mm, for resectoscope 24/26 CH



No. 20862-049

= 5 | 2 kVp | max 134 °C

Resectoscopes

Roller electrode, monopolar, Ø 3 mm, plain, for resectoscope 24/26 CH



No. 20862-050
= 5
2 kVp
max 134 °C

Roller electrode, monopolar, Ø 5 mm, plain, for resectoscope 24/26 CH



No. 20862-051
= 5
2 kVp
max 134 °C

Roller electrode, bipolar, Ø 3 mm, serrated, for resectoscope 24/26 CH



No. 20862-052
= 5
2 kVp
max 134 °C

Roller electrode, bipolar, Ø 5 mm, serrated, for resectoscope 24/26 CH



No. 20862-053
= 5
2 kVp
max 134 °C

Knife electrode, bipolar, for resectoscope 24/26 CH



No. 20862-054
= 5
2 kVp
max 134 °C

Loop electrode, bipolar, straight, for resectoscope 24/26 CH



No. 20862-055
= 5
2 kVp
max 134 °C

Loop electrode, bipolar, angled 30°, for resectoscope 24/26 CH



No. 20862-056
= 5
2 kVp
max 134 °C

Resectoscopes

Loop electrode, bipolar, angled 90°, for resectoscope 24/26 CH



No. 20862-057
= 5
2 kVp
max 134 °C

Vaporisation electrode, bipolar, for resectoscope 24/26 CH



No. 20862-058
= 5
2 kVp
max 134 °C

Conical electrode, bipolar, for resectoscope 24/26 CH



No. 20862-059
= 5
2 kVp
max 134 °C

Ball electrode, bipolar, Ø 3 mm, for resectoscope 24/26 CH



No. 20862-060
= 5
2 kVp
max 134 °C

Ball electrode, bipolar, Ø 5 mm, for resectoscope 24/26 CH



No. 20862-061
= 5
2 kVp
max 134 °C

Roller electrode, bipolar, Ø 3 mm, plain, for resectoscope 24/26 CH



No. 20862-062
= 5
2 kVp
max 134 °C

Roller electrode, bipolar, Ø 5 mm, plain, for resectoscope 24/26 CH



No. 20862-063
= 5
2 kVp
max 134 °C

Resectoscopes

Roller electrode, monopolar, Ø 3 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-092	
= 10	3.5 kVp
	STERILE EO

Roller electrode, monopolar, Ø 5 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-093	
= 10	3.5 kVp
	STERILE EO

Knife electrode, monopolar, for 12°, for resectoscope 24/26 CH, single-use



No. 20864-094	
= 10	3.5 kVp
	STERILE EO

Knife electrode, monopolar, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-095	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, curved down, for resectoscope 24/26 CH, single-use



No. 20864-096	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, curved right, for resectoscope 24/26 CH, single-use



No. 20864-097	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, for 0°, for resectoscope 24/26 CH, single-use



No. 20864-098	
= 10	3.5 kVp
	STERILE EO

Resectoscopes

Cutting electrode, monopolar, 45° angled, for resectoscope 24/26 CH, single-use



No. 20864-099	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, for 30°, medium sized, for resectoscope 24/26 CH, single-use



No. 20864-100	
= 10	3.5 kVp
	STERILE EO

Necklace electrode, monopolar, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-101	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, 90°, medium sized, for resectoscope 24/26 CH, single-use



No. 20864-102	
= 10	3.5 kVp
	STERILE EO

Cutting electrode, monopolar, for 12°, for resectoscope 24/26 CH, single-use



No. 20864-103	
= 10	3.5 kVp
	STERILE EO

Spike electrode, monopolar, Ø 3 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-104	
= 10	3.5 kVp
	STERILE EO

Spike electrode, monopolar, Ø 5 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-105	
= 10	3.5 kVp
	STERILE EO

Resectoscopes

Ball electrode, monopolar, Ø 3 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-106	
= 10	3.5 kVp
	STERILE EO

Ball electrode, monopolar, Ø 5 mm, for resectoscope 24/26 CH, single-use



No. 20864-107	
= 10	3.5 kVp
	STERILE EO

Barrel electrode, monopolar, Ø 3 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-108	
= 10	3.5 kVp
	STERILE EO

Needle electrode, bipolar, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-109	
= 5	3.5 kVp
	STERILE EO

Needle electrode, bipolar, for 12°, for resectoscope 24/26 CH, single-use



No. 20864-110	
= 5	3.5 kVp
	STERILE EO

Resectoscopes

Cutting electrode, bipolar, 45° angled, for resectoscope 24/26 CH, single-use



No. 20864-113

= 5 | 3.5 kVp | STERILE EO

Cutting electrode, bipolar, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-114

= 5 | 3.5 kVp | STERILE EO

Cutting electrode, bipolar, for 30°, large, for resectoscope 24/26 CH, single-use



No. 20864-115

= 5 | 3.5 kVp | STERILE EO

Cutting electrode, bipolar, for 12°, for resectoscope 24/26 CH, single-use



No. 20864-116

= 5 | 3.5 kVp | STERILE EO

Cutting electrode, bipolar, for 12°, medium sized, for resectoscope 24/26 CH, single-use



No. 20864-117

= 5 | 3.5 kVp | STERILE EO

Cutting electrode, bipolar, for 12°, 180 µ, for resectoscope 24/26 CH, single-use



No. 20864-118

= 5 | 3.5 kVp | STERILE EO

Cutting electrode, bipolar, for 12°, 300 µ, for resectoscope 24/26 CH, single-use



No. 20864-119

= 5 | 3.5 kVp | STERILE EO

Resectoscopes

Band electrode, bipolar, for 12°, 370 µ, for resectoscope 24/26 CH, single-use



No. 20864-120	
= 5	3.5 kVp
	STERILE EO

Oval button electrode, bipolar, 90° angled, for resectoscope 24/26 CH, single-use



No. 20864-121	
= 5	3.5 kVp
	STERILE EO

Plasma button electrode, bipolar, for resectoscope 24/26 CH, single-use



No. 20864-122	
= 5	3.5 kVp
	STERILE EO

Enucleation electrode, bipolar, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-123	
= 5	3.5 kVp
	STERILE EO

Ball electrode, bipolar, Ø 3 mm, for 30°, for resectoscope 24/26 CH, single-use



No. 20864-124	
= 5	3.5 kVp
	STERILE EO

Accessories for resectoscopes

Cables, tubes, tray	Piece	No.
HF cable, monopolar, for resectoscope 	1	20862-073
Bipolar connecting cable, for WOLF resectoscopes, with MF plug, 4 m for VIO 3 and VIO 300 D from version V.1.6.2 on 	1	20196-119
Bipolar connecting cable, for WOLF resectoscopes, with MF-U plug, 4.5 m only for VIO 3 	1	21196-119
Sterilisation tube for resectoscope electrodes and urethrotome cold knives 	1	20862-064
Resectoscope wire basket 540x253x47mm 	1	20862-087
Bladder syringe bajonett connection, 150ml	1	20862-088
Bladder syringe quick-lock connection, 150ml	1	20862-089

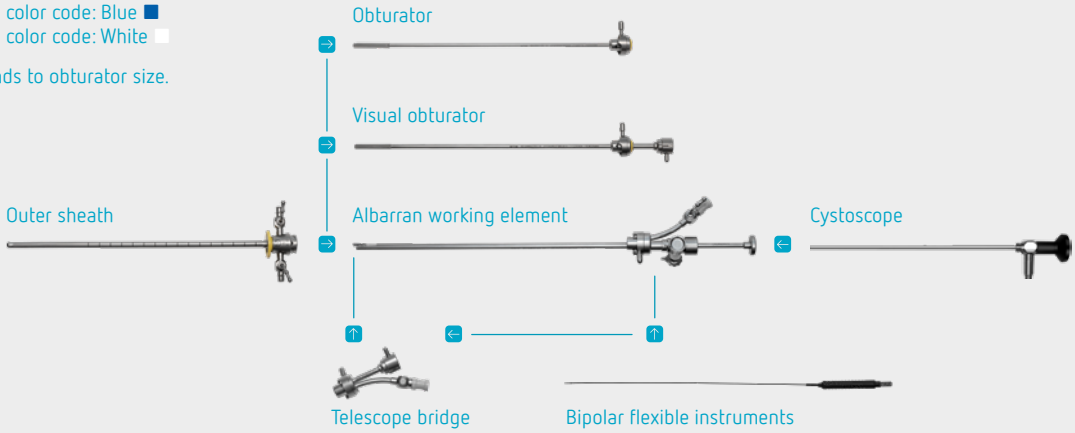


Cystoscopes

The various sheath sizes (CH) are indicated by different colors:

- 20864-004 17 CH color code: Yellow
- 20864-004 19 CH color code: Green
- 20864-004 21 CH color code: Red
- 20864-004 23 CH color code: Blue
- 20864-004 25 CH color code: White

Color code corresponds to obturator size.



Sheath for cysto/urethroscope, 17 CH



No. 20864-004	
= 1	
	max 134 °C

Obturator for cysto/urethroscope, 17 CH



No. 20864-009	
= 1	
	max 134 °C

Visual obturator for cysto/urethroscope, 17 CH



No. 20864-019	
= 1	
	max 134 °C

Cystoscopes

Sheath for cysto/urethroscope, 19 CH



No. 20864-005
= 1
max 134 °C

Obturator for cysto/urethroscope, 19 CH



No. 20864-010
= 1
max 134 °C

Visual obturator for cysto/urethroscope, 19 CH



No. 20864-020
= 1
max 134 °C

Sheath for cysto/urethroscope, 21 CH



No. 20864-006
= 1
max 134 °C

Obturator for cysto/urethroscope, 21 CH



No. 20864-011
= 1
max 134 °C

Visual obturator for cysto/urethroscope, 21 CH



No. 20864-021
= 1
max 134 °C

Cystoscopes

Sheath for cysto/urethroscope, 23 CH



No. 20864-007	
= 1	
	max 134 °C

Obturator for cysto/urethroscope, 23 CH



No. 20864-012	
= 1	
	max 134 °C

Visual obturator for cysto/urethroscope, 23 CH



No. 20864-022	
= 1	
	max 134 °C

Sheath for cysto/urethroscope, 25 CH



No. 20864-008	
= 1	
	max 134 °C

Obturator for cysto/urethroscope, 25 CH



No. 20864-013	
= 1	
	max 134 °C

Visual obturator for cysto/urethroscope, 25 CH



No. 20864-023	
= 1	
	max 134 °C

Cystoscopes

Telescope bridge for cysto/urethroscope sheath with one working channel



No. 20864-014
= 1
max 134 °C

Telescope bridge for cysto/urethroscope sheath with two working channels



No. 20864-015
= 1
max 134 °C

Working element with Albarran deflector with one working channel



No. 20864-016
= 1
max 134 °C

Working element with Albarran deflector with two working channels



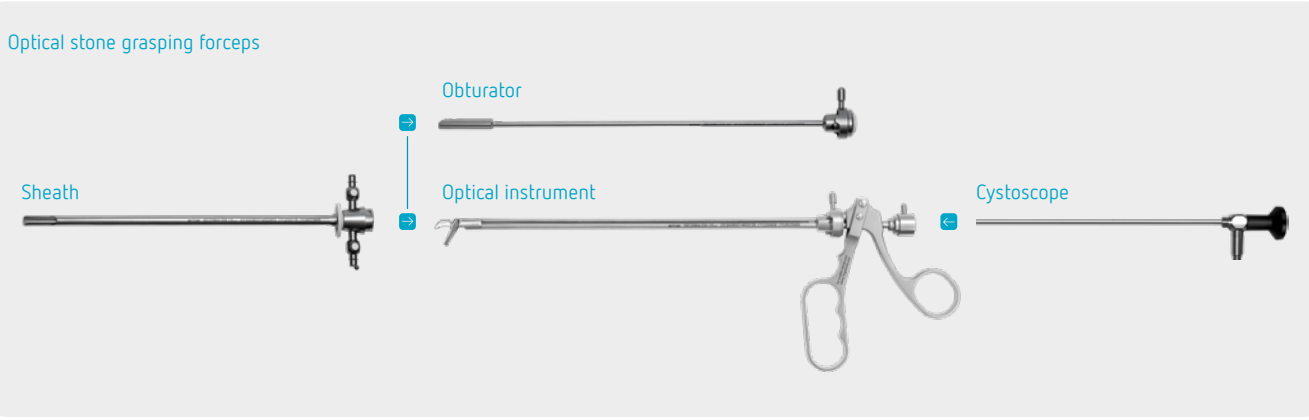
No. 20864-017
= 1
max 134 °C

Protection rod for Albarran working elements



No. 20864-018
= 1
max 134 °C

Cystoscopes



Optical biopsy spoon forceps, Ø 4 mm, 0°/12°/30°



No. 20864-024
= 1
max 134 °C

Optical grasping forceps, Ø 4 mm, 0°/12°



No. 20864-025
= 1
max 134 °C

Optical biopsy punch, Ø 4 mm, 0°/12°



No. 20864-026
= 1
max 134 °C

Optical hook scissors, Ø 4 mm, 0°/12°



No. 20864-027
= 1
max 134 °C

Cystoscopes

Optical biopsy grasping forceps, Ø 4 mm, 12°/30°



No. 20864-028	
= 1	
	max 134 °C

Optical stone crushing forceps, Ø 4 mm, 12°/30°



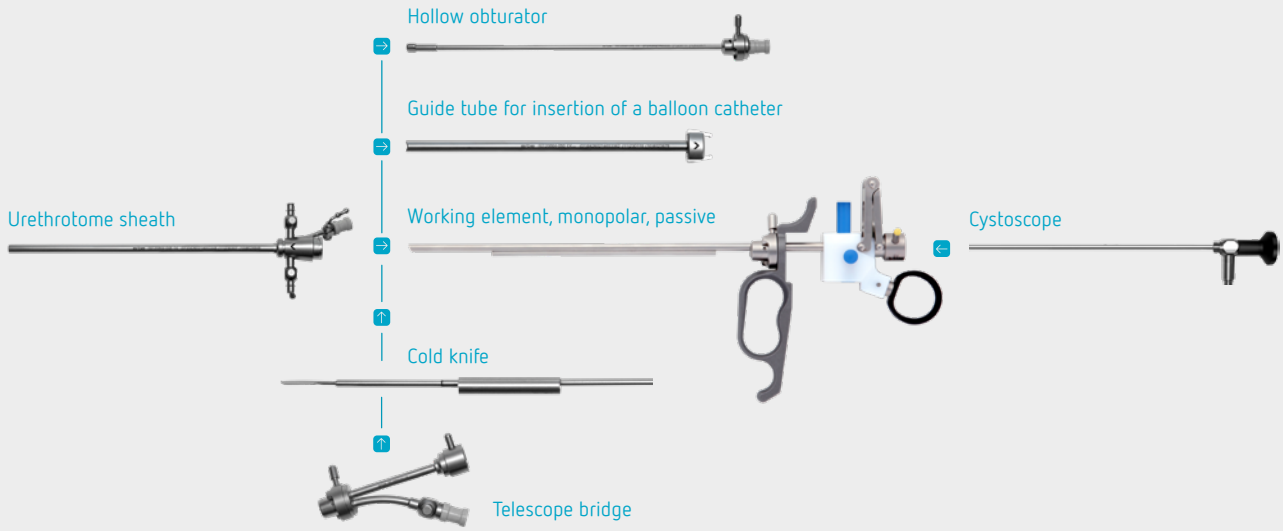
No. 20864-030	
= 1	
	max 134 °C

Bladder stone lithotriptor, Ø 4 mm, 70°



No. 20864-032	
= 1	
	max 134 °C

Urethrotome



Urethrotome sheath, 21 CH, for catheters



No. 20864-048	
= 1	
	max 134 °C

Hollow obturator for guiding catheter, 5 CH



No. 20864-049	
= 1	
	max 134 °C

Guide tube for balloon catheter



No. 20864-050	
= 1	
	max 134 °C

Urethrotome

Telescope bridge for urethrotome sheath with working channel



No. 20864-051
= 1
max 134 °C

Urethrotome cold knife, straight



No. 20864-052
= 5
max 134 °C

Urethrotome cold knife, half round



No. 20864-053
= 5
max 134 °C

Urethrotome cold knife, straight-serrated



No. 20864-054
= 5
max 134 °C

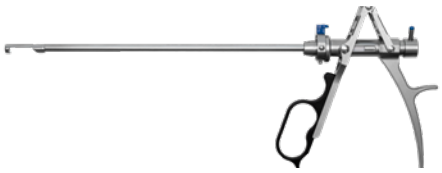
Urethrotome cold knife, hook shaped



No. 20864-055
= 5
max 134 °C

Mauermayer optical punch

Mauermayer working element, Ø 4 mm, 12° / 30°



No. 20864-033
= 1
max 134 °C

Sheath with central valve for Mauermayer working element



No. 20864-034
= 1
max 134 °C

Obturator for Mauermayer sheath



No. 20864-035
= 1
max 134 °C

Telescope bridge for Mauermayer sheath



No. 20864-036
= 1
max 134 °C

Sheath without central valve for Mauermayer working element



No. 20864-037
= 1
max 134 °C

Adapter for inner sheath for resectoscope, for use with optical instruments



No. 20864-029
= 1
max 134 °C

Adapter for outer sheath for resectoscope, for use with stone crushing forceps and lithotriptor



No. 20864-031
= 1
max 134 °C

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