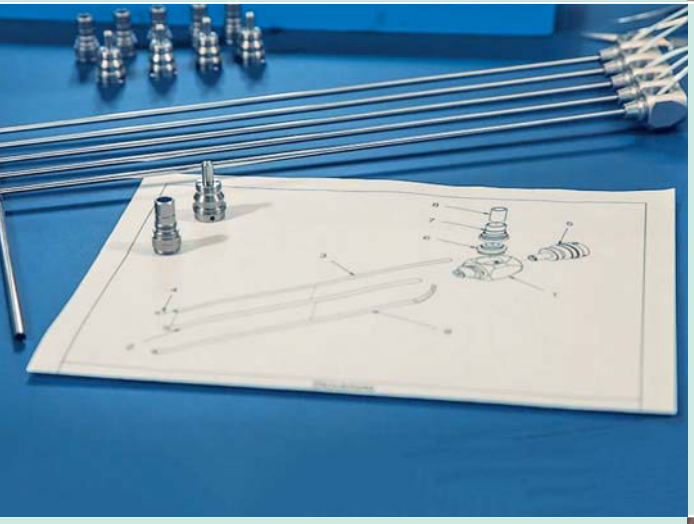
RZ Medizintechnik GmbH

progress in surgery

RZ Medizintechnik GmbH - Progress in Surgery. The family business was found in 1994 in Tuttlingen the center of the medical industry by Rainer Zubrod and he runs it today with his son Tobias and his family members.

By his strong commitment to produce and to market only high quality medical products, RZ has developed in recent years to a well respected and competent partner in the medical field. All the processes from development, manufacturing to worldwide distribution are performed at RZ with the utmost expertise and precision.



Our very high quality standard we achieve by the use of medical grade German stainless steel, titanium alloys and high-grade carbon fiber. The modern machinery with CNC milling and turning machines ensures a high production depth and pattern continuity. Of course, in strict compliance with the CE directives. We have been certified since 1994.

In RZ the traditional craftsmanship is done by experienced surgical instrument formen and highly skilled workers. The precise craftmanship ensures the perfection of each instrument.

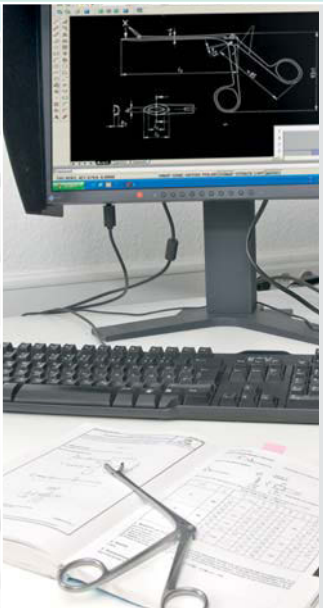
Beside the wide range of standard products, RZ Medizintechnik also offers:
- Individual custom-made products
- Repair and Replacement service

Since the company was founded in 1994 the endoscopic market has also influenced the development of HD telescopes for various procedures in surgery.

In the production of RZ HD telescopes we place emphasis, quality and superior handling. Hereby we use only material of the highest quality standard such as high resolution imaging bundle. Our extensive inventory enable us absolute compliance with the schedule and short delivery times.

After the modern laser marking our products are ready for their long way as medical device.

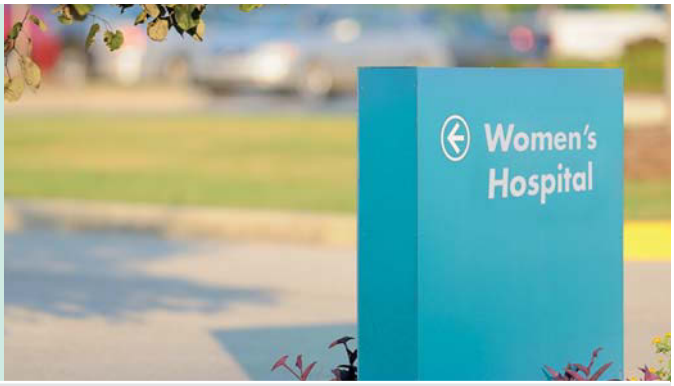
Our competent team consisting of our area managers and our experienced medical product consultants are pleased to support our exclusive dealers and distributors worldwide.



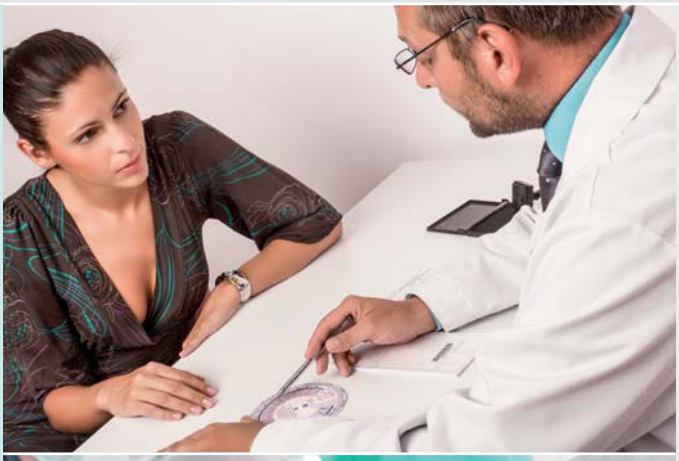
Qualitätsmanagement DQS MED ISO 13485

Gynaecological procedures became over the last 10 years extremely important for prevention of female diseases such as uterus cancer. For preventive measurements it is necessary to develope for Hospitals, Gynaecologists and medical specialists new products which are most effective, efficient and patient friendly.

As a manufacturer of gynecologic instruments, endoscopes and equipment, we believe that it is important to make a contribution to these developments. Together with our clinical consultant Dr. Accardi we developed a range of instruments which makes the work easier, faster and more effective.



HYSTEROSCOPY



Our new Hysteroscopy catalogue contains only state of the art products for office as well as operative hysteroscopy. All products are exclusively manufactured in our German production facilities to ensure the highest quality standards.

RZ Medizintechnik offers a wide range of Hysteroscope Sets used for diagnosis of changes in the female lower abdomen, myoma and polyp resections, removal of coils, sterilization as well as endometrial and ovarian cancer or cysts operations.
All sets are based on our 2.0mm, 2.9mm or 4.0mm FullHD telescopes. In combination with our high-grade imaging systems we provide pictures of outstanding quality.

We also would like to thank our long-term customers for the many years of support and loyalty in using RZ Medizintechnik products.
We promise to continue with our company philosophy to deliver the best quality "Made in Germany".

DR. ACCARDI INSTRUMENTS

Dr. Antonio Accardi was born in Palermo in 1976, studied medicine and specialized in Gynecology and obstetrics with highest honors at the University of Palermo. His specialized thesis was the first in the world about „hysteroscopic dignosis and treatment“ of cesarean scar pathologies.

During his specialization in gynecology and obstetrics at the University of Palermo he developed a specific interest in hysteroscopy; increased by participating in many courses and workshops as an organizer, tutor and operator.

Due to his passionated interest in emerging cultures and innovation, he attended excellence centres for hysteroscopy and enriched his cultural and scientific background by visiting hospitals in foreign countries like Japan, Taiwan and Eritrea. He gave various speeches at major national and international conferences, as the author of numerous scientific publications in his subject hysteroscopy and gynecologic oncology.

He works at the University of Palermo in the division of Gynecologic Oncology. Additionally, he is responsable for the ‘Hysteroscopy Department’ in the Humanitas Research Hospital, Gavazzeni, Bergamo.

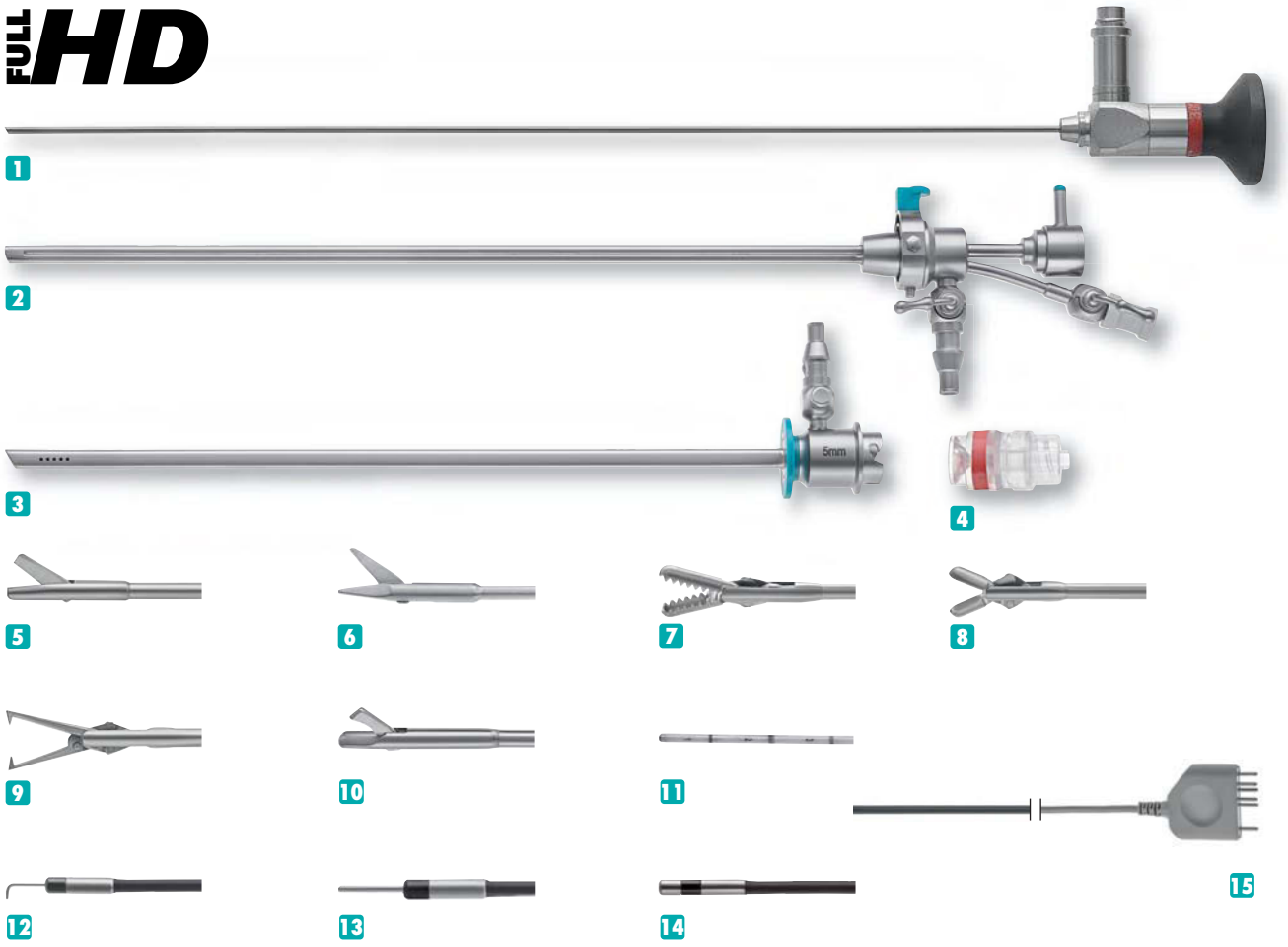
With RZ, he is actively developing new tools and technologies in the field of Hysteroscopy since 2011. Excellent examples are at least the 5 Charr. Hysteroscopy Instruments and the 18.5 Charr. Resectoscope.

Please contact our product specialist and clinical consultant for Hysteroscopy at:
Hysteroscopy@rz-medizintechnik.com

DR. ACCARDI INSTRUMENTS

Accardi hysteroscopy and intrauterus high-frequency surgery Set 351-900-902

FULL HD



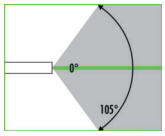
	Article-No.	Description	Page	Qty.
1	351-829-030	Midi Hysteroscope, ∅ 2.9mm, 30°	8	1 pc.
2	351-400-143	Operating Sheath, 5 Charr.	10	1 pc.
3	351-400-150	Outer Sheath, ∅ 5mm	10	1 pc.
4	351-905-105	Disposable Silicon Valve, package with 10 pcs.	15	1 pcs.
5	351-100-305	5 Charr. semi-rigid Scissors, blunt, 400mm working length	16	1 pc.
6	351-118-305	5 Charr. semi-rigid Scissors, sharp, 400mm working length	16	1 pc.
7	351-116-305	5 Charr. semi-rigid Grasping Forceps, 400mm working length	16	1 pc.
8	351-120-305	5 Charr. semi-rigid Biopsy Forceps, 400mm working length	16	1 pc.
9	351-117-305	5 Charr. semi-rigid Tenaculum Forceps, 400mm working length	16	1 pc.
10	351-126-305	5 Charr. semi-rigid Biopsy Punch Forceps, 400mm working length	16	1 pc.
11	351-125-105	5 Charr. Palpation Probe, 400mm working length	17	1 pc.
12	351-360-015	5 Charr. Bipolar Needle Electrode, 90°, 360mm working length	18	1 pc.
13	351-360-005	5 Charr. Bipolar Needle Electrode, straight, 360mm working length	18	1 pc.
14	351-370-105	5 Charr. Bipolar Ball Electrode, 360mm working length	18	1pc.
15	700-500-300	Bipolar Cable for HYS electrodes, flat plug, SDS-Plug, 3m	19	1pc.

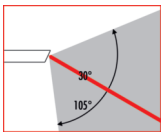
Hysteroscopy Equipment Set 351-900-906

	Article-No.	Description	Page	Qty.
1	351-100-200	Basic Irrigation Pump P1	62	1 pc.
2	300-001-804	3-Chip HD Camera F4	66	1 pc.
3	300-001-813	TV-Coupler, f=14mm	74	1 pc.
4	300-010-219	TFT iLumen Radiance Monitor	85	1 pcs.
5	300-900-180	LUMEN LED 1 Light Source	77	1 pc.
6	250-035-230	XENON Light Cable, 2300mm	78	1 pc.
7	250-039-000	Adapter RZ/Storz	78	1 pc.
8	250-042-000	Adapter RZ/Storz/Olympus	78	1 pc.
9	300-001-999	RZ Trolley	-	1 pc.
10	700-340-400	Highfrequency Surgery Generator G44, 230V	82	1 pc.

Mini Diagnostic Hysteroscope Set ∅ 2mm

For many years Hysteroscopy was not the first choice procedure for Gynaecologists as instruments had a big diameter and a painful dilation of the cervical channel was necessary. Now, RZ Medizintechnik GmbH offers a Mini-Diagnostic Hysteroscope and Operative Set. Our real Hysteroscopes ensure a long life-time of smallest endoscopes, making Hysteroscopy a fast, safe and cost-effective procedure in Gynaecology.



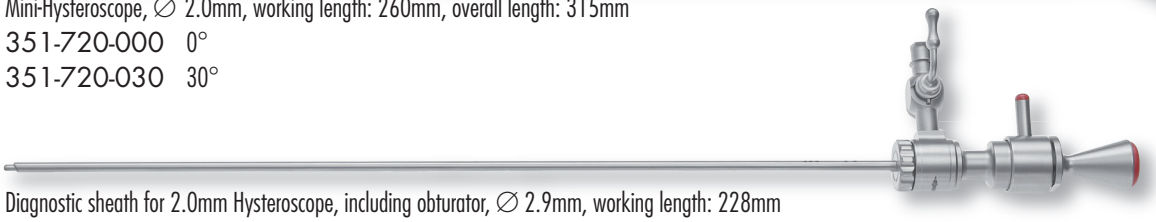


FULL HD

Mini-Hysteroscope, ∅ 2.0mm, working length: 260mm, overall length: 315mm

351-720-000 0°

351-720-030 30°



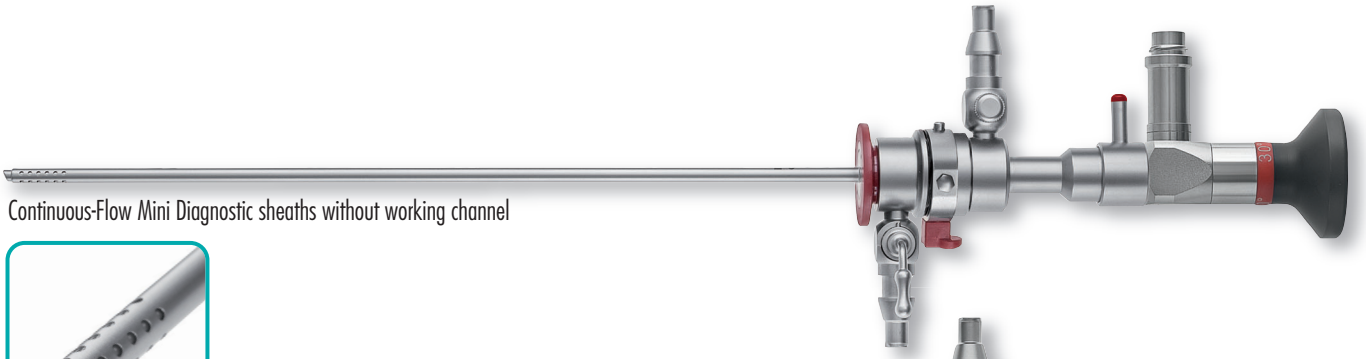
Diagnostic sheath for 2.0mm Hysteroscope, including obturator, ∅ 2.9mm, working length: 228mm

1:1

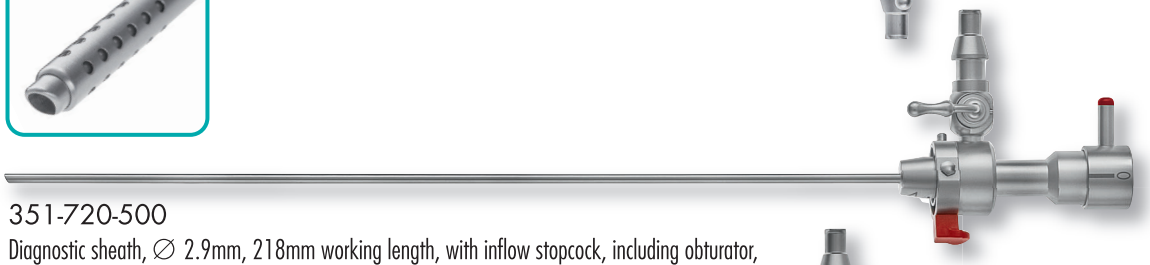
351-720-200 for 0° Hysteroscope

1:1

351-720-300 for 30° Hysteroscope

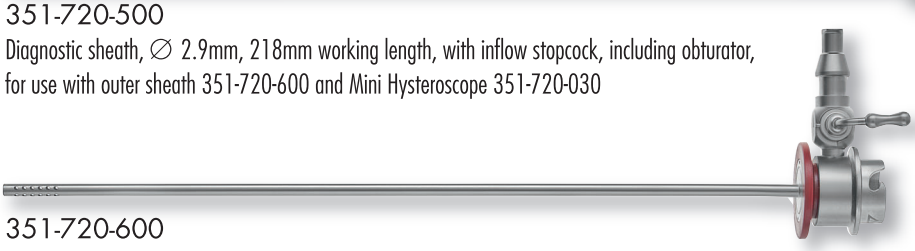


Continuous-Flow Mini Diagnostic sheaths without working channel



351-720-500

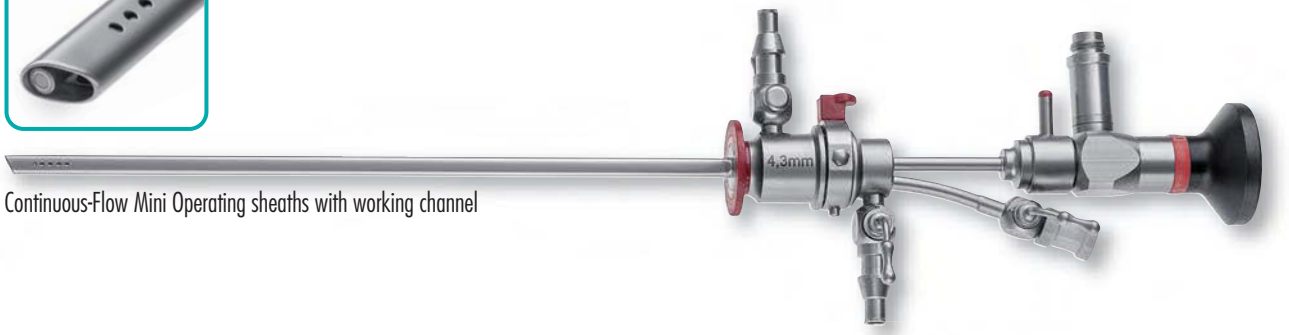
Diagnostic sheath, ∅ 2.9mm, 218mm working length, with inflow stopcock, including obturator, for use with outer sheath 351-720-600 and Mini Hysteroscope 351-720-030



351-720-600

Outer sheath, ∅ 3.7mm, 200mm working length, with outflow stopcock, for use with diagnostic sheath 351-720-500

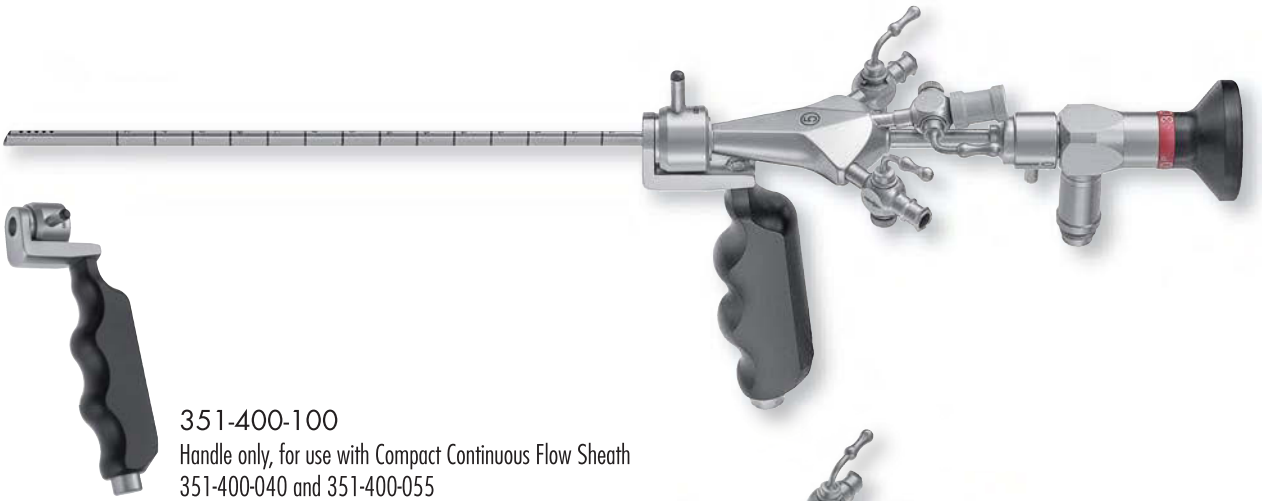
Mini Operating Hysteroscope Set ∅ 2mm



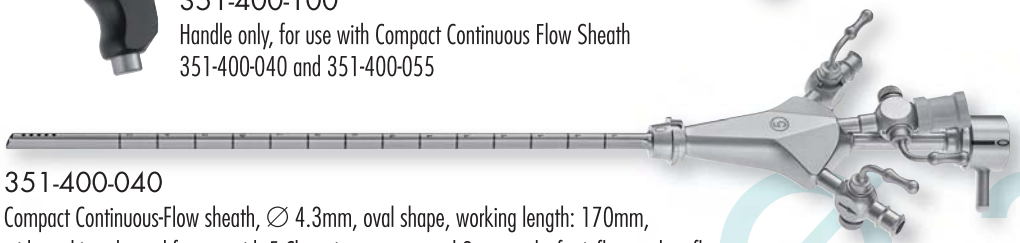
Continuous-Flow Mini Operating sheaths with working channel

351-720-550
Operating sheath, with working channel for use with 5 Charr. instruments, with inflow stopcock, for use with outer sheath 351-720-650 and Mini Hysteroscope 351-720-030

351-720-650
Outer sheath, ∅ 4.3mm, oval shape, 192mm working length, with outflow stopcock, for use with operating sheath 351-720-550



351-400-100
Handle only, for use with Compact Continuous Flow Sheath 351-400-040 and 351-400-055



351-400-040
Compact Continuous-Flow sheath, ∅ 4.3mm, oval shape, working length: 170mm, with working channel for use with 5 Charr. instruments and 2 stopcocks for inflow and outflow, for use with Mini Hysteroscope 351-720-030

Ø 2mm

Midi Diagnostic Hysteroscope Set ∅ 2.9mm

Semi-flexible Fiber Midi Hysteroscopes

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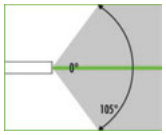
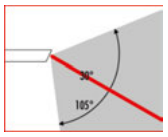
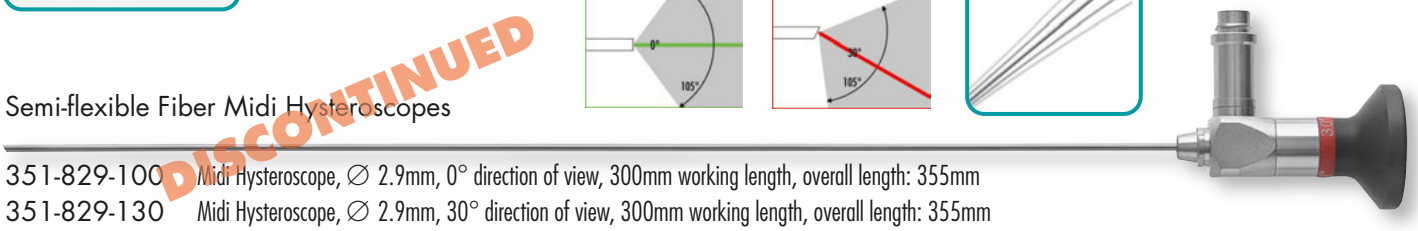


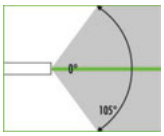


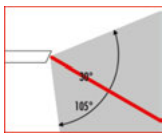


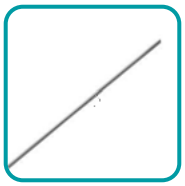
351-829-100 Midi Hysteroscope, ∅ 2.9mm, 0° direction of view, 300mm working length, overall length: 355mm
351-829-130 Midi Hysteroscope, ∅ 2.9mm, 30° direction of view, 300mm working length, overall length: 355mm

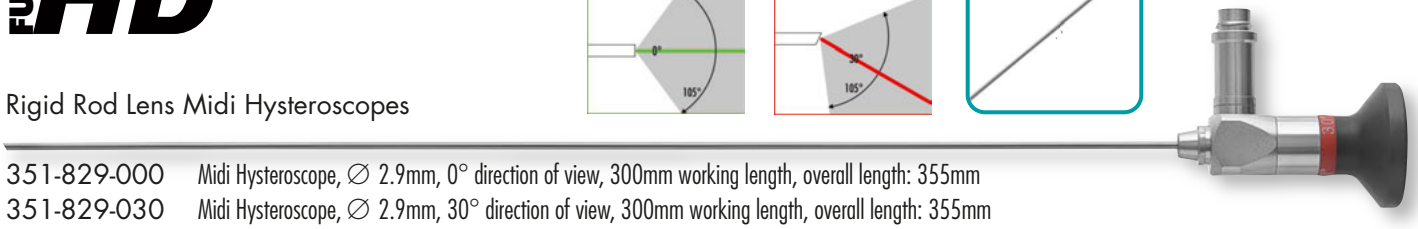
FULL HD

Rigid Rod Lens Midi Hysteroscopes



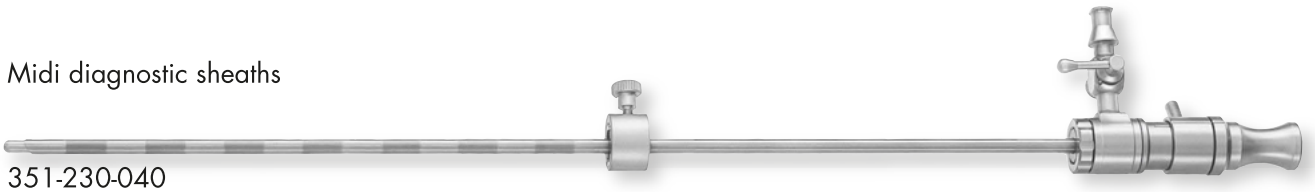






351-829-000 Midi Hysteroscope, ∅ 2.9mm, 0° direction of view, 300mm working length, overall length: 355mm
351-829-030 Midi Hysteroscope, ∅ 2.9mm, 30° direction of view, 300mm working length, overall length: 355mm

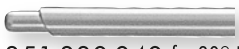
Midi diagnostic sheaths



351-230-040
Diagnostic sheath, ∅ 4.0mm, 270mm working length, with rotating stopcock, including obturator and distance holder, for use with 351-829-030 or 351-829-130

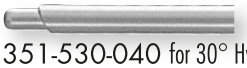
Diagnostic Sheath, ∅ 4.0mm, 270mm working length, with rotating stopcock, including obturator

1:1
351-300-040 for 0° Hysteroscope

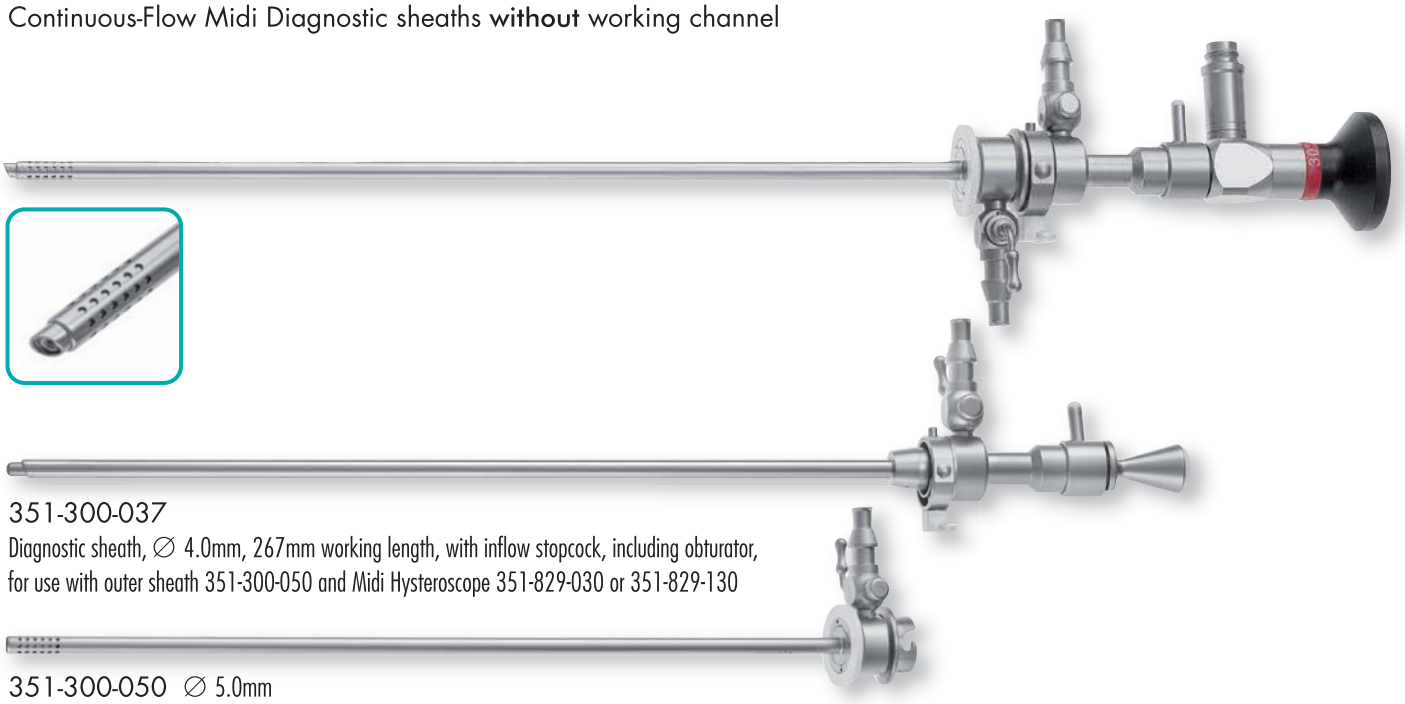

1:1
351-330-040 for 30° Hysteroscope

Diagnostic Sheath, ∅ 4.0mm, 270mm working length, with fixed stopcock, including obturator, recommended for **CO_2 gas dilation**

1:1
351-500-040 for 0° Hysteroscope


1:1
351-530-040 for 30° Hysteroscope

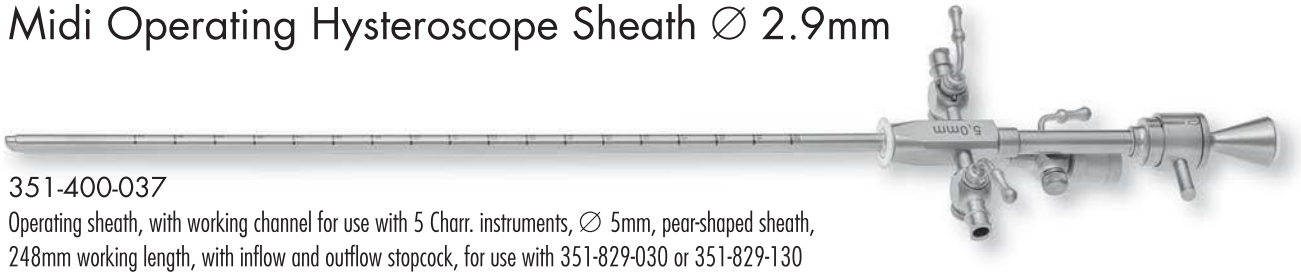
Continuous-Flow Midi Diagnostic sheaths **without** working channel



351-300-037
Diagnostic sheath, ∅ 4.0mm, 267mm working length, with inflow stopcock, including obturator,
for use with outer sheath 351-300-050 and Midi Hysteroscope 351-829-030 or 351-829-130

351-300-050 ∅ 5.0mm
Outer sheath, 240mm working length, with outflow stopcock,
for use with diagnostic sheath 351-300-037

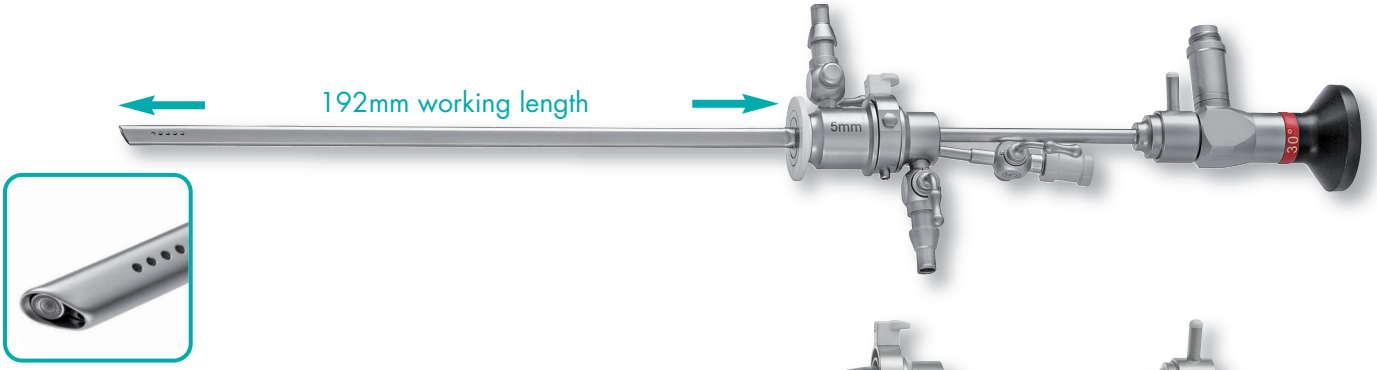
Midi Operating Hysteroscope Sheath ∅ 2.9mm



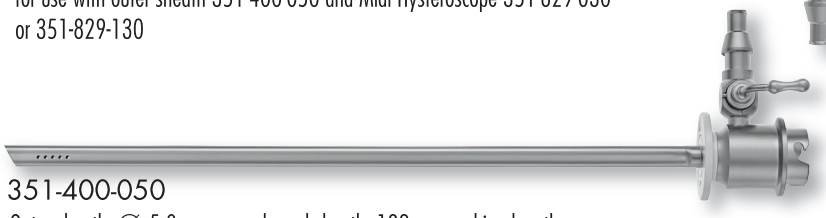
351-400-037
Operating sheath, with working channel for use with 5 Charr. instruments, ∅ 5mm, pear-shaped sheath,
248mm working length, with inflow and outflow stopcock, for use with 351-829-030 or 351-829-130

Ø 2.9mm

Midi Operating Hysteroscope Set ∅ 2.9mm



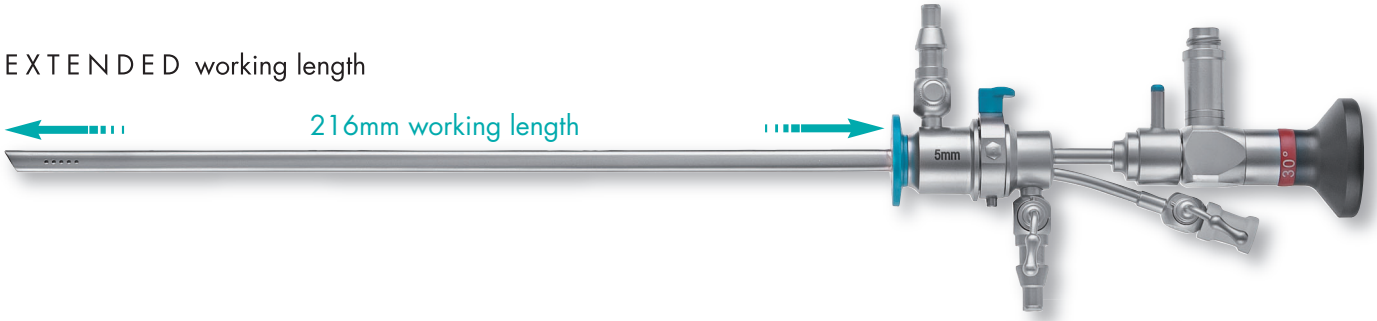
351-400-043
Operating sheath, with working channel for use with 5 Charr. instruments, with inflow stopcock, for use with outer sheath 351-400-050 and Midi Hysteroscope 351-829-030 or 351-829-130

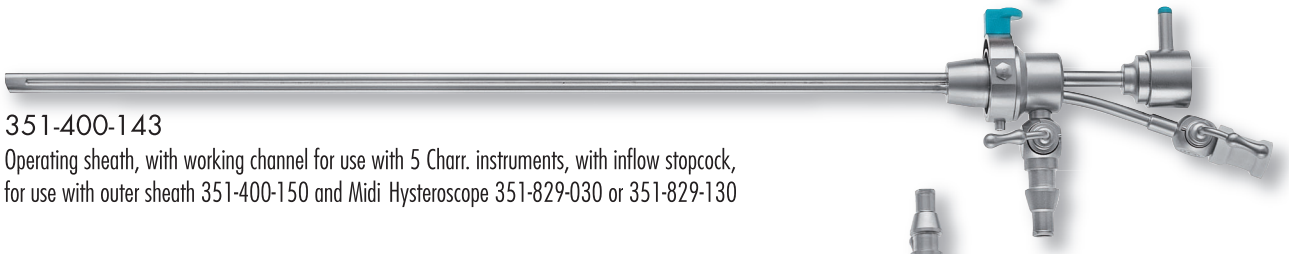


351-400-050
Outer sheath, ∅ 5.0mm, pear-shaped sheath, 192mm working length, with outflow stopcock, for use with operating sheath 351-400-043

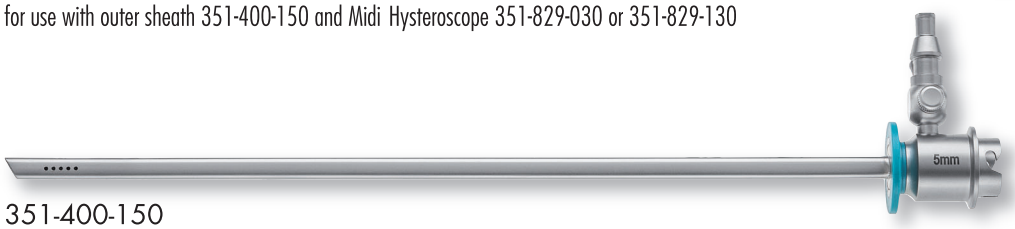
351-905-105
Disposable Silicone Valve with LuerLock connection for use with 3 - 10 Charr. instruments sterile packed, package with 10 pieces

EXTENDED working length

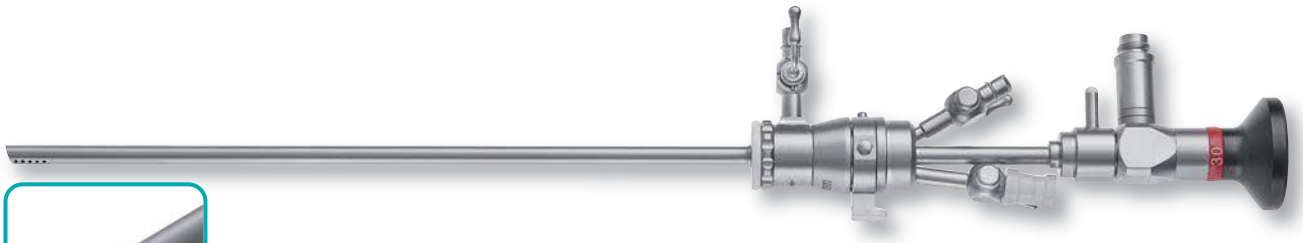




351-400-143
Operating sheath, with working channel for use with 5 Charr. instruments, with inflow stopcock, for use with outer sheath 351-400-150 and Midi Hysteroscope 351-829-030 or 351-829-130



351-400-150
Outer sheath, ∅ 5.0mm, pear-shaped sheath, 216mm working length, with outflow stopcock, for use with operating sheath 351-400-143



DISCONTINUED

351-400-500

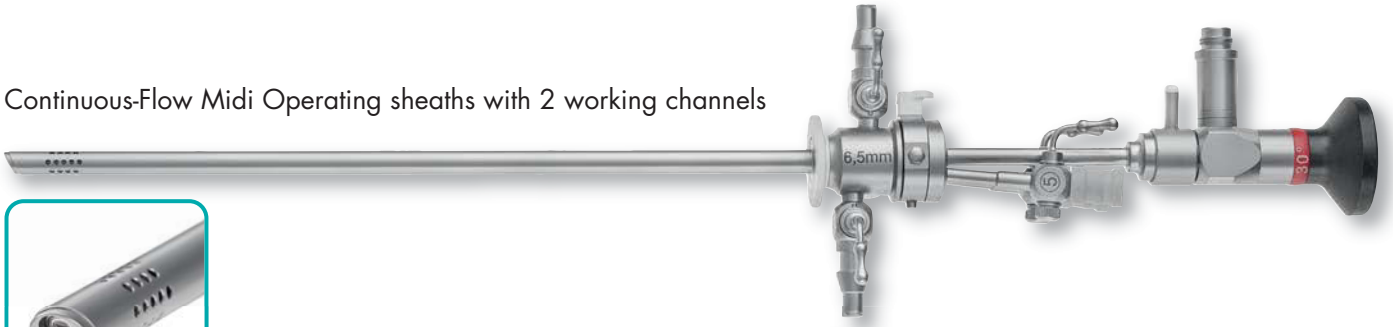
Outer sheath, ∅ 5.5mm, 182mm working length, with rotating outflow stopcock, for use with operating sheath 351-400-500

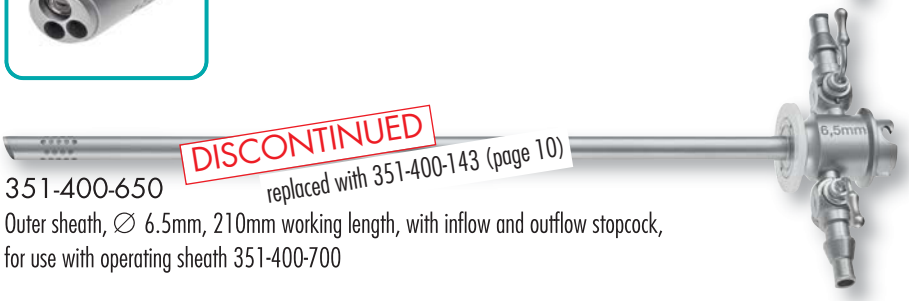
DISCONTINUED

351-400-550

Operating sheath, with working channel for 5 Charr. instruments, with inflow stopckock, for use with outer sheath 351-400-500 and Midi Hysteroscope 351-829-030 or 351-829-130

Continuous-Flow Midi Operating sheaths with 2 working channels



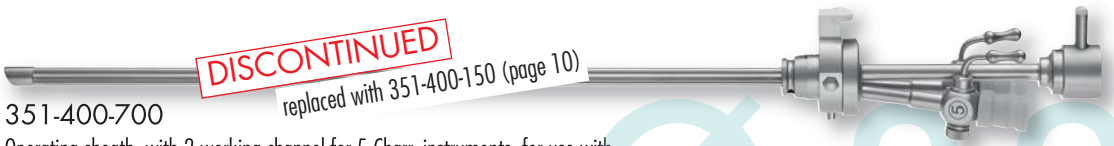


DISCONTINUED

replaced with 351-400-143 (page 10)

351-400-650

Outer sheath, ∅ 6.5mm, 210mm working length, with inflow and outflow stopcock, for use with operating sheath 351-400-700



DISCONTINUED

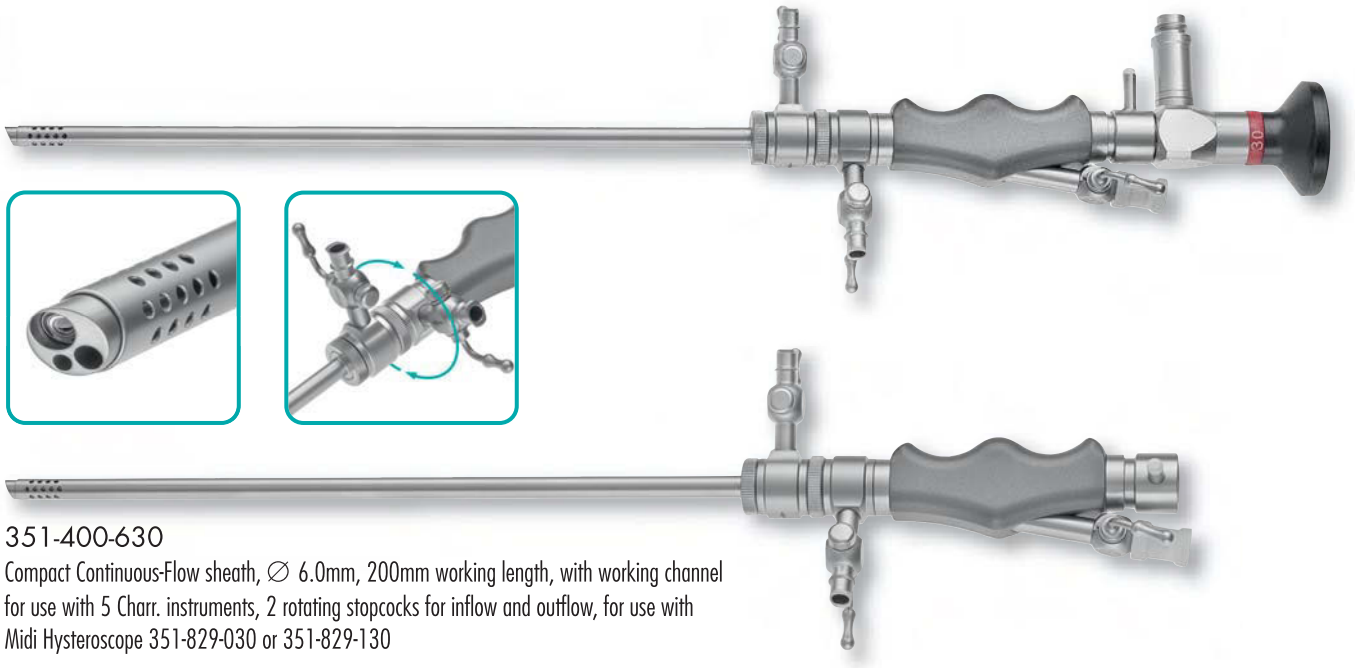
replaced with 351-400-150 (page 10)

351-400-700

Operating sheath, with 2 working channel for 5 Charr. instruments, for use with outer sheath 351-400-650 and Midi Hysteroscope 351-829-030 or 351-829-130

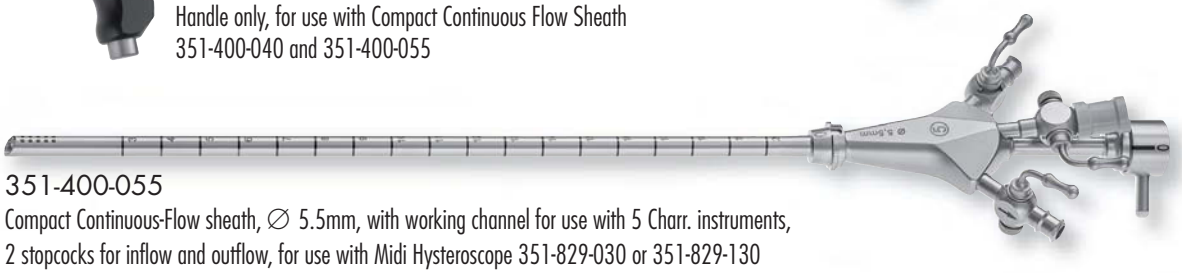
Ø 2.9mm

Midi Operating Compact Hysteroscope Set ∅ 2.9mm



351-400-630
Compact Continuous-Flow sheath, ∅ 6.0mm, 200mm working length, with working channel for use with 5 Charr. instruments, 2 rotating stopcocks for inflow and outflow, for use with Midi Hysteroscope 351-829-030 or 351-829-130

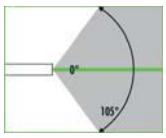
351-400-100
Handle only, for use with Compact Continuous Flow Sheath 351-400-040 and 351-400-055

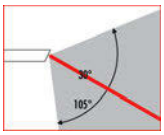


351-400-055
Compact Continuous-Flow sheath, ∅ 5.5mm, with working channel for use with 5 Charr. instruments, 2 stopcocks for inflow and outflow, for use with Midi Hysteroscope 351-829-030 or 351-829-130

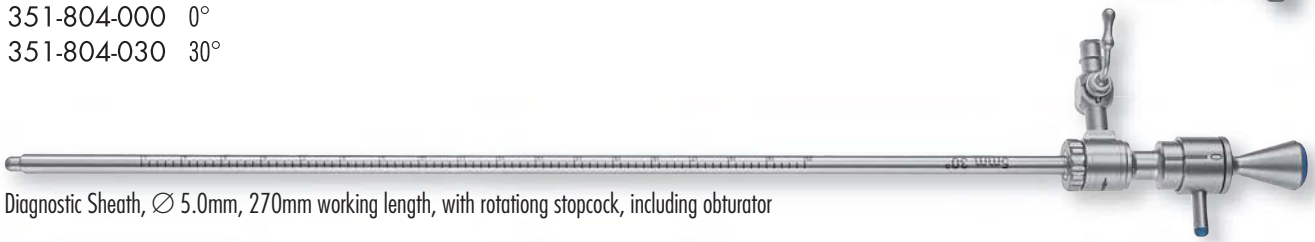
Ø 2.9mm

Grand Diagnostic Hysteroscope Set ∅ 4mm





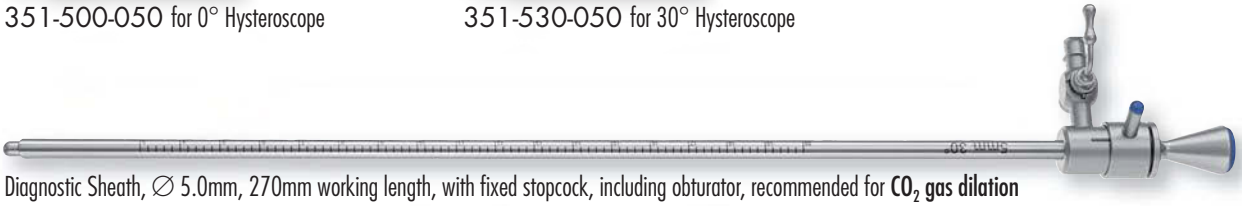
Hysteroscopes, ∅ 4.0mm, 300mm working length, overall length: 355mm
351-804-000 0°
351-804-030 30°



Diagnostic Sheath, ∅ 5.0mm, 270mm working length, with rotationg stopcock, including obturator

1:1
351-500-050 for 0° Hysteroscope

1:1
351-530-050 for 30° Hysteroscope



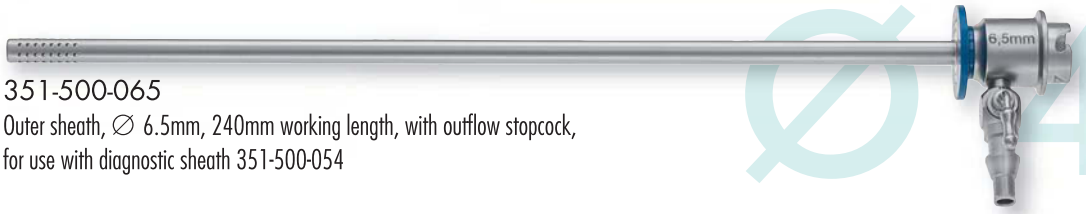
Diagnostic Sheath, ∅ 5.0mm, 270mm working length, with fixed stopcock, including obturator, recommended for **CO_2 gas dilation**

1:1
351-600-050 for 0° Hysteroscope

1:1
351-630-050 for 30° Hysteroscope

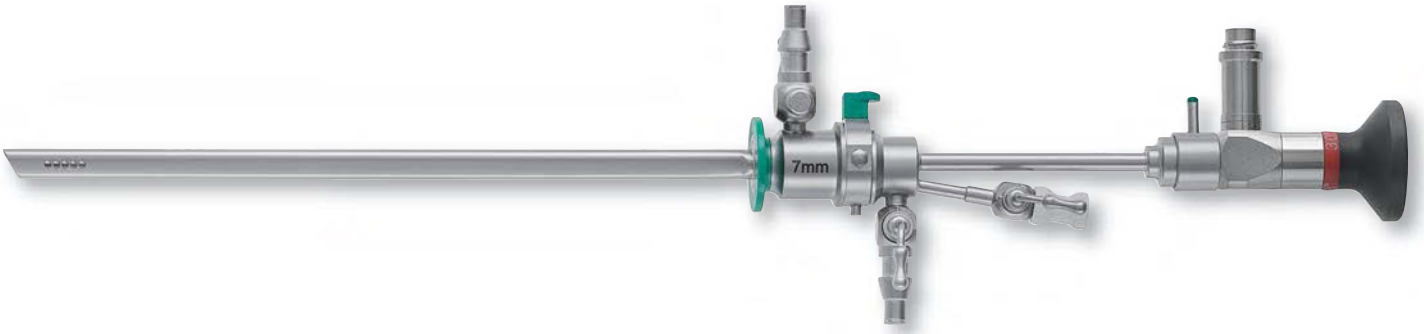
Continuous-Flow Diagnostic sheaths without working channel

351-500-054
Diagnostic sheath, ∅ 5.4mm, 260mm working length, with inflow stopcock, including obturator,
for use with outer sheath 351-500-065 and Hysteroscope 351-804-030



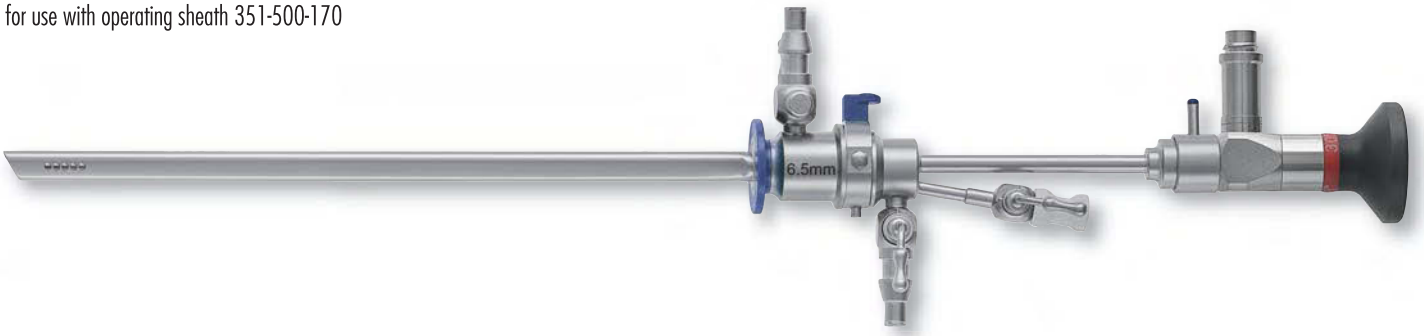
351-500-065
Outer sheath, ∅ 6.5mm, 240mm working length, with outflow stopcock,
for use with diagnostic sheath 351-500-054

Grand Operating Hysteroscope Set ∅ 4mm

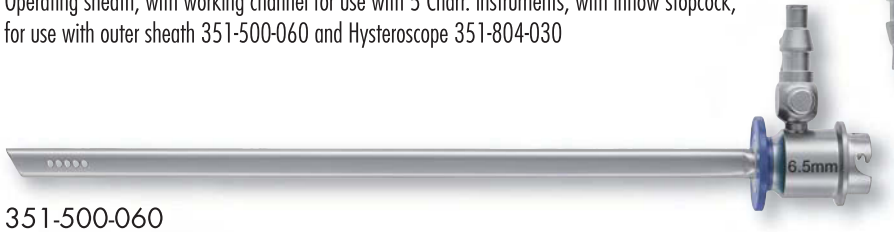


351-500-170
Operating sheath, with working channel for use with 7 Charr. instruments, with inflow stopcock, for use with outer sheath 351-500-070 and Hysteroscope 351-804-030

351-500-070
Outer sheath, ∅ 7.0mm, pear-shaped sheath, 192mm working length, with outflow stopcock, for use with operating sheath 351-500-170



351-500-160
Operating sheath, with working channel for use with 5 Charr. instruments, with inflow stopcock, for use with outer sheath 351-500-060 and Hysteroscope 351-804-030



351-500-060
Outer sheath, ∅ 6.5mm, pear-shaped sheath, 192mm working length, with outflow stopcock, for use with operating sheath 351-500-160

Ø 4mm

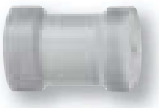
300-011-181
LuerLock tube
connector 9mm

300-011-506
LuerLock tube
connector 6mm

300-011-184
LuerLock Tuohy
Borst Adapter

300-011-178
LuerLock one-way stop-cock
with spring screw cap

300-011-179
LuerLock tube connector with stopcock

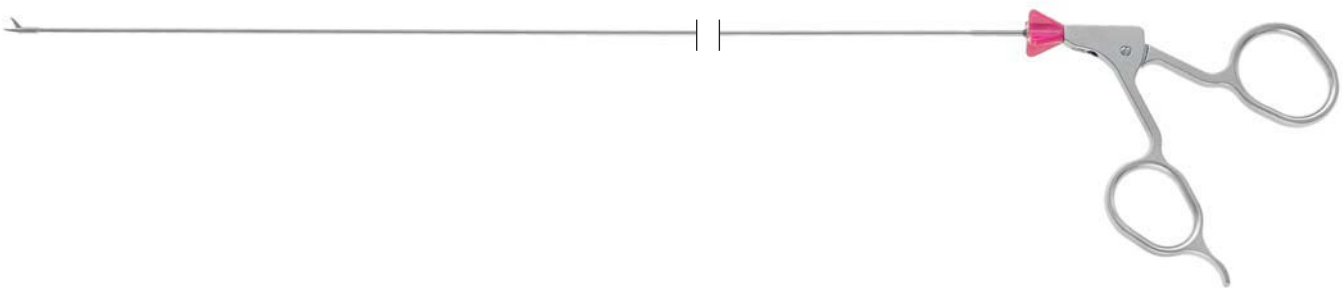


301-701-100
Grey Rubber cap for use
on all working channels

351-905-105
Disposable Silicone Valve with
LuerLock connection for use
with 3 - 10 Charr. instruments
sterile packed,
package with 10 pieces

351-905-110
Silicone Valve, reusable,
for instruments up to ∅1.8mm (5.5Charr.)
with LL-Connection,
10pcs. per package

5 Charr. Semi-Rigid Hysteroscopy Instruments



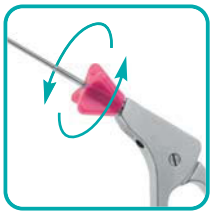
The ergonomic handle design with special shaped rings enables effortless working.

The finger rest simplifies the control of the instrument.

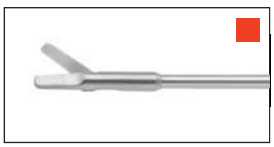
The innovative integrated automatic closing system* facilitates grasping by the use of a spring system.

We avoid bending of the instrument while using it in combination with a sheath resulting through a lightweight handle.

The lotus-effect of the surface enables an increase of the lifetime.

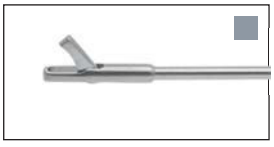


The 360° rotating mechanism allows an optimal position of the jaw.

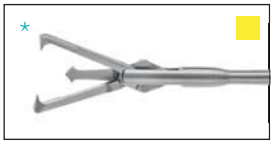


351-100-305 400mm
351-100-335 340mm
Scissors, blunt tips, single action

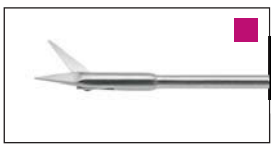
351-116-305 400mm
351-116-335 340mm
Grasping Forceps with cup, serrated, double action



351-126-305 400mm
351-126-335 340mm
Biopsy Punch Forceps, single action



351-119-305 400mm
351-119-335 340mm
Accardi HARPOON Grasping Forceps with barbs



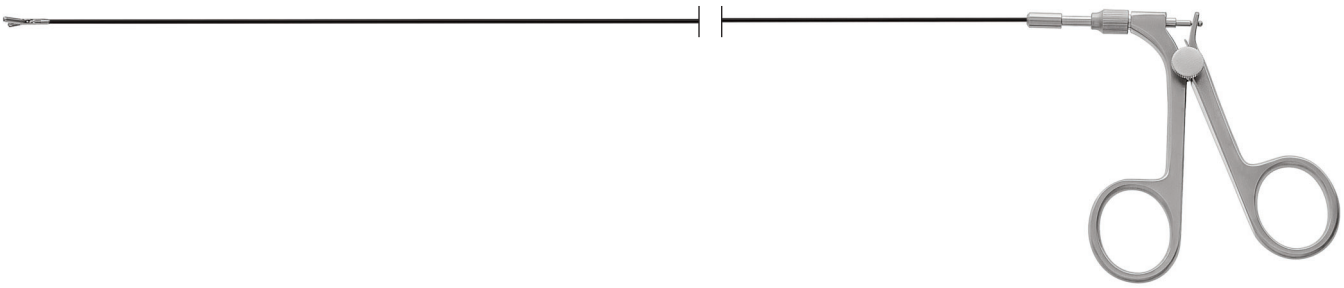
351-118-305 400mm
351-118-335 340mm
Scissors, sharp tips, single action

351-120-305 400mm
351-120-335 340mm
Biopsy Forceps, double action

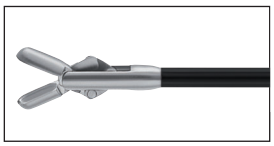
351-117-305 400mm
351-117-335 340mm
Tenaculum Forceps, 1x1 teeth, double action

Knob color

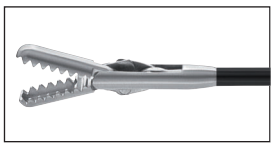
6 Charr. flexible insulated Hysteroscopy Instruments for use with 7 Charr. working channel



351-100-205 400mm
351-100-235 340mm
Scissors, blunt tips, single action

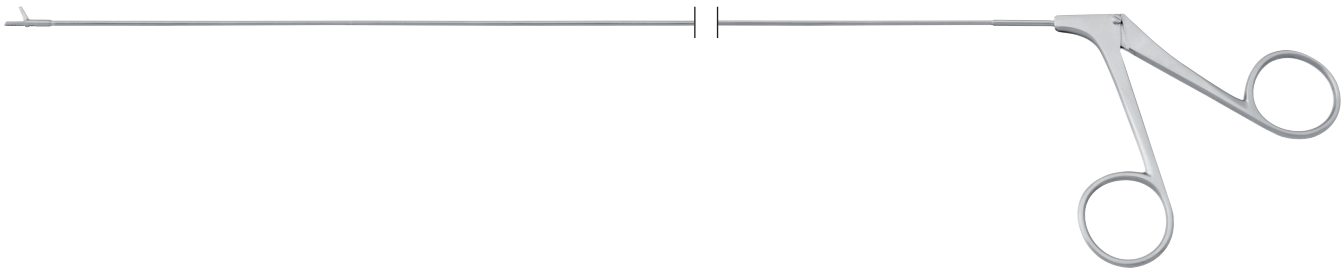


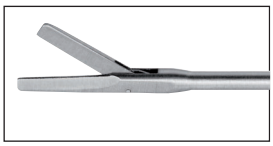
351-120-205 400mm
351-120-235 340mm
Biopsy Forceps, double action



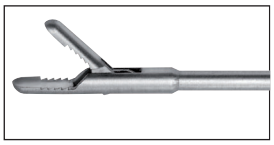
351-116-205 400mm
351-116-235 340mm
Grasping Forceps with cup, serrated, double action

5 Charr. and 7 Charr. Semi-Rigid Hysteroscopy Instruments





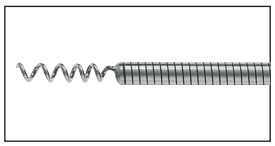
351-410-425 5 Charr.
351-410-427 7 Charr.
Scissors, blunt tips, single action, 400mm working length



351-410-325 5 Charr.
351-410-327 7 Charr.
Biopsy Forceps, oval cup, serrated, 400mm working length

5 Charr. Hexagonal Handle Hysteroscopy Instruments

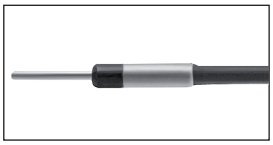
351-125-105 400mm
351-125-135 340mm
Palpation Probe, graduated



351-124-105 400mm
351-124-135 340mm
Myoma Fixation Screw, semi-rigid

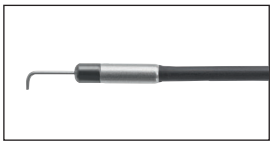
5 Charr. Hysteroscopy Electrodes

BIPOLAR



351-360-005
Bipolar Needle Electrode, straight tip,
340mm working length

351-370-105
Bipolar Ball Electrode,
340mm working length

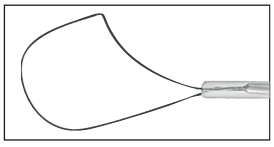


351-360-015
Bipolar Needle Electrode, 90° angled tip,
360mm working length

MONOPOLAR

351-380-360
Monopolar Needle Electrode,
360mm working length

351-385-360
Monopolar Ball Electrode,
360mm working length



253-570-005*
Polypectomy Snare,
340mm working length

* Trade Product: not available with RZ-marking and not with the CE-number of RZ

BIPOLAR CABLES for Electrodes

Generator end

2-Banana *

Erbe

Valleylab
Lamidey, EMC

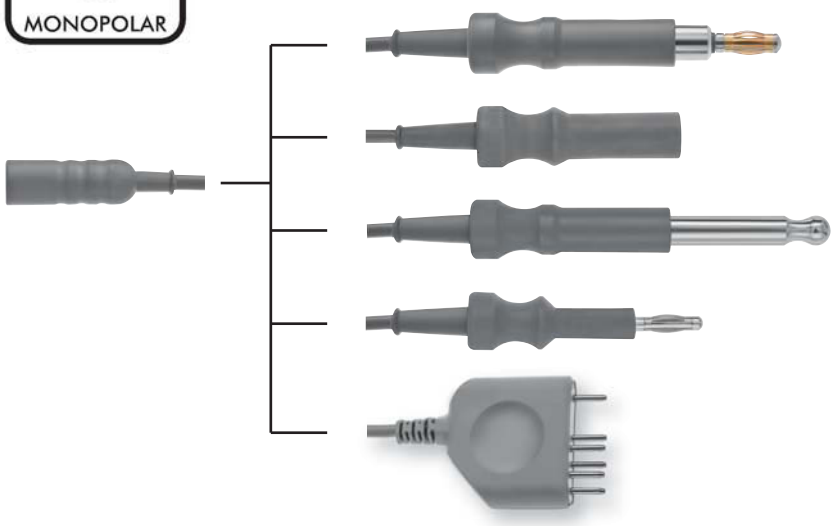
Martin, Aesculap
Berchtold

SDS plug

	Flat plug	Flat plug, angled	Flat plug, square
3m	700-350-030	300-860-100	700-350-130
5m	700-350-050	300-860-111	700-350-150
3m	700-101-001	700-100-130	700-101-130
5m	700-100-101	700-100-150	700-101-150
3m	700-351-031	700-300-003	700-351-131
5m	700-351-051	700-300-005	700-351-151
3m	700-287-030	700-200-130	700-287-130
5m	700-287-050	700-200-150	700-287-150
3m	700-500-300		
5m	700-500-500		

* Not available with CE marking within Europe

MONOPOLAR CABLES for Electrodes



253-610-001 with 5 mm plug for Erbe HF-unit

253-610-002 with 4 mm plug for Martin HF-unit

253-610-003 with 8 mm plug for Valleylab HF-unit

253-610-004 with 4 mm plug for older HF-units

700-501-453 SDS Plug (Hysteroscopy coded)

18.5 Charr. Grazia Hybrid Resectoscope - Set

The RZ Grazia HYBRID Resectoscope can be used in the common bipolar as well as in the monopolar way. The Surgeon just needs to change the cable, the rinsing fluid and connect the neutral electrode for monoplar usage. The Resectoscope as well as the Electrodes can be used in an hybrid way.
The small 18.5Charr system comes up with numerous advantages like the optimal and painless use with virgo patients.
Even with this small and handy system the surgeon is able to treat all the hysteroscopic pathologies like polyps, myomas, uterus septa, isthmocele and endometrial ablation. Direct vaginoscopy access is possible and no cervical dilation is needed to proceed time-saving surgeries with 16 Charr. Electrodes and Cold Knife components.

351-900-911 18.5 CHARR. GRAZIA HYBRID RESECTION SET

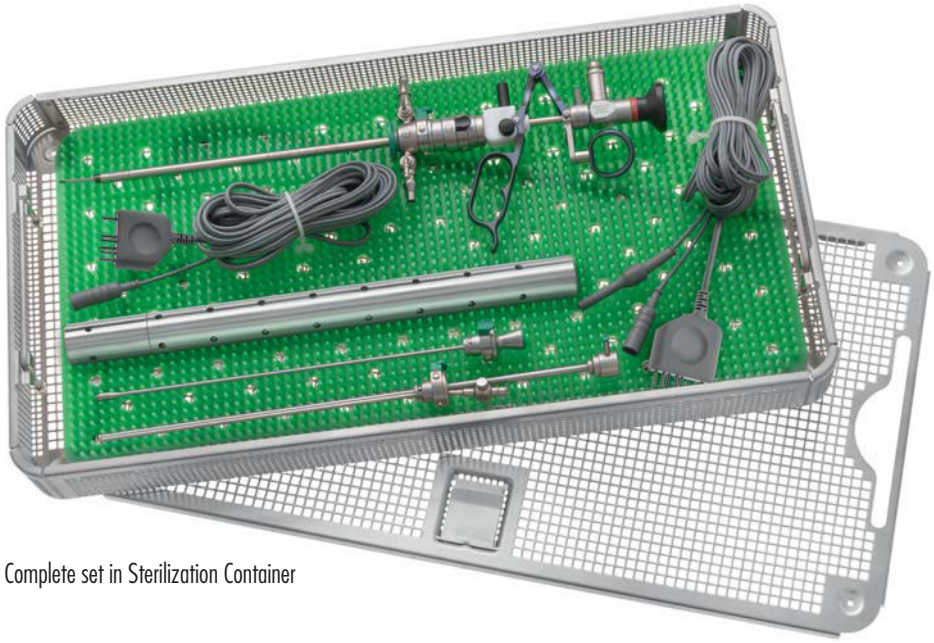
HYBRID

351-829-030	Hysteroscope, 30°, ∅ 2.9mm, autoclavable
351-400-201	Grazia HYBRID Working Element, active (please choose)
or 351-400-200	Grazia HYBRID Working Element, passive
351-000-185	Resectoscope Sheath, rotatable, ceramic tip
351-000-201	Loop Electrode
351-000-203	Knife Electrode
351-000-205	Ball Electrode
351-000-180	Visual Obturator, with 5 Charr. working channel
253-300-999	Sterilization tubes for electrodes
600-485-555	Stainless Steel Container, perforated, 480x254x55mm, with lid
600-281-003	Silicone mat, green, 440x230mm
700-500-453	SDS Cable, 4.5m, bipolar
700-501-453	SDS Cable, 4.5m, monopolar
700-503-003	Cable for Neutral Electrode
700-503-000	Disposable Neutral Electrode, pack of 50 pcs.

Neutral Electrode with cable

Further suitable Instruments can be found on pages 20-23

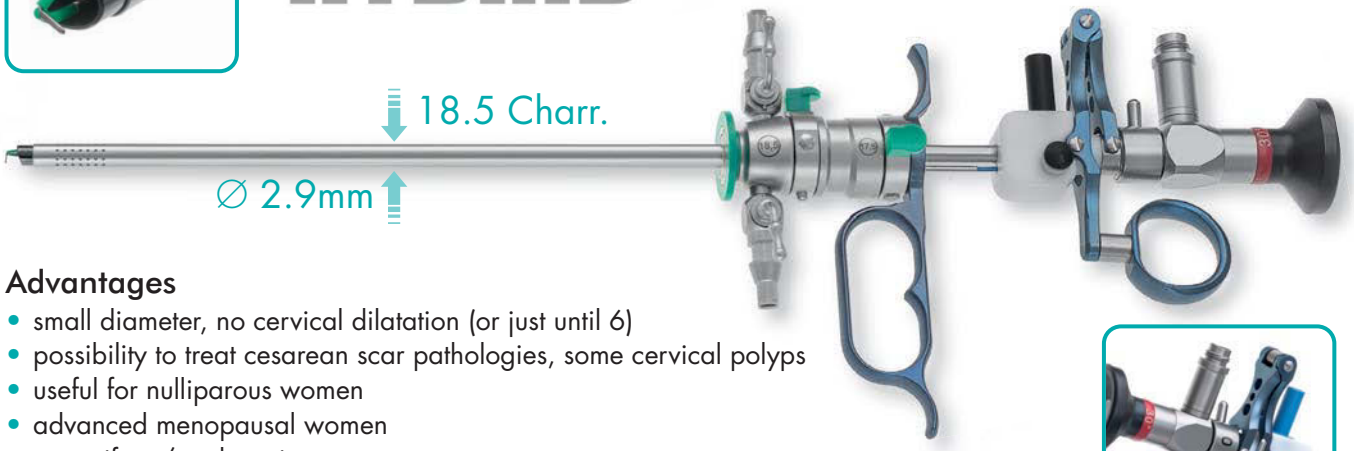
18.5 Charr. HF Surgery
Grazia HYBRID Set

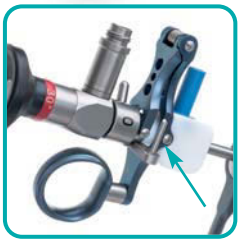


Complete set in Sterilization Container

Grazia HYBRID Resectoscope - 18.5 Charr.

HYBRID





Advantages

- small diameter, no cervical dilatation (or just until 6)
- possibility to treat cesarean scar pathologies, some cervical polyps
- useful for nulliparous women
- advanced menopausal women
- tamoxifene/gn-rh patients
- cervical stenosis in general
- suspected endometrial and cervical cancer

351-829-012
Hysteroscope, ∅ 2.9mm, 12° direction of view, 300mm working length, overall length: 355mm

351-829-030
Hysteroscope, ∅ 2.9mm, 30° direction of view, 300mm working length, overall length: 355mm

351-400-200
Passive Titanium Working Element for
Grazia HYBRID Resectoscope

351-400-201
Active Titanium Working Element for
Grazia HYBRID Resectoscope

351-000-185
Resectoscope Continuous Flow Sheath, 18.5 Charr.,
with rotating sheath, incl. obturator, with QuickLocking

351-000-180
Visual Obturator, with 5 Charr. working channel

16 Charr. Electrodes Designed for RZ HF units shown on pages 80-83. Optimized and excellent for RZ Grazia HYBRID resection.

351-000-201	Cutting loop

351-000-202	Cutting loop, straight

351-000-203	Knife Electrode

351-000-205	Ball Electrode

351-000-206	Roller Electrode, 2mm

Suitable Cables can be found on page 33

18.5 Charr. Grazia Hybrid Resectoscope - Set

The RZ Grazia HYBRID Resectoscope can be used in the common bipolar as well as in the monopolar way. The Surgeon just needs to change the cable, the rinsing fluid and connect the neutral electrode for monoplar usage. The Resectoscope as well as the Electrodes can be used in an hybrid way.
The small 18.5Charr system comes up with numerous advantages like the optimal and painless use with virgo patients.
Even with this small and handy system the surgeon is able to treat all the hysteroscopic pathologies like polyps, myomas, uterus septa, isthmocele and endometrial ablation. Direct vaginoscopy access is possible and no cervical dilation is needed to proceed time-saving surgeries with 16 Charr. Electrodes and Cold Knife components.

351-900-911 18.5 CHARR. GRAZIA HYBRID RESECTION SET

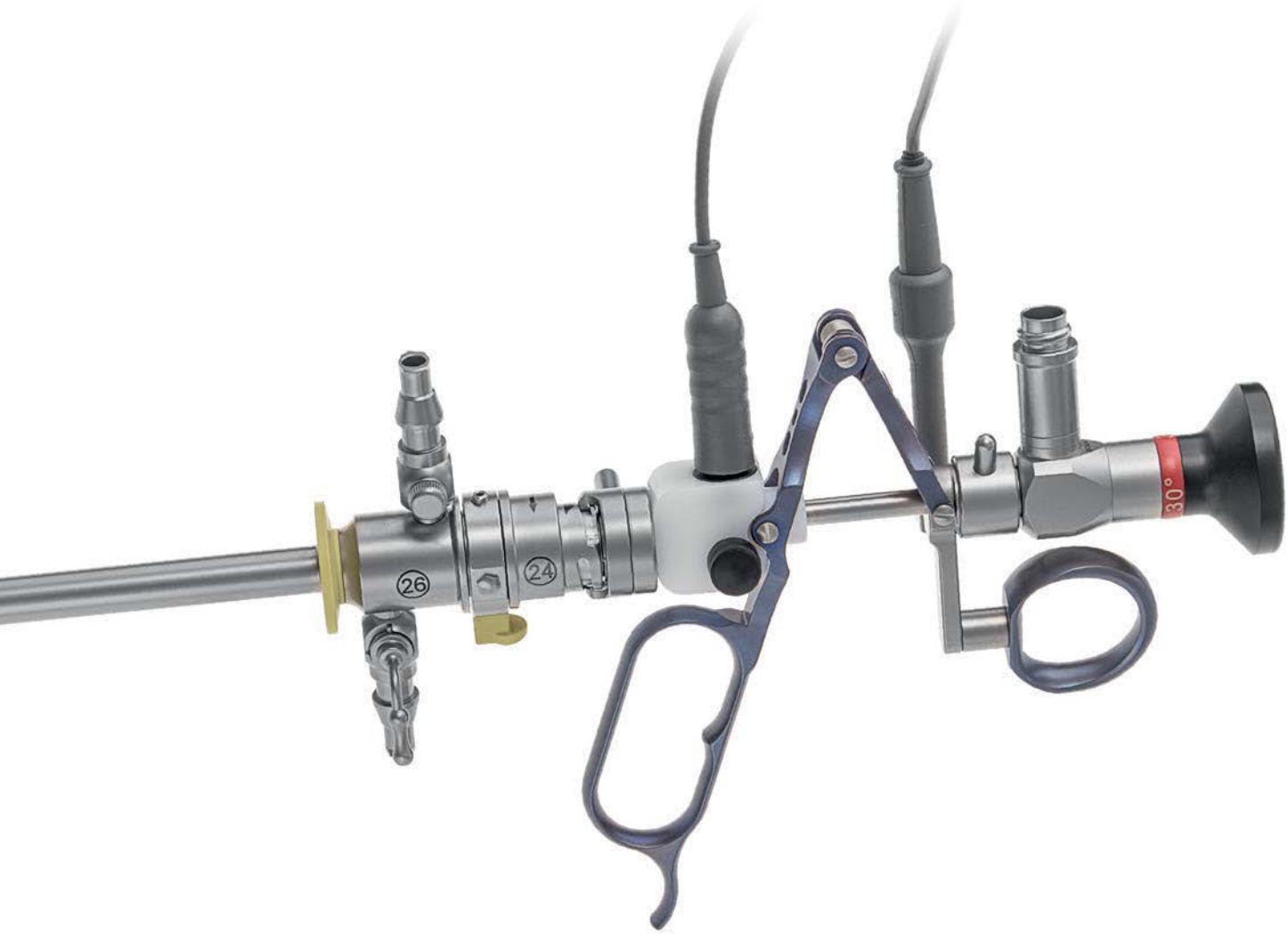
HYBRID

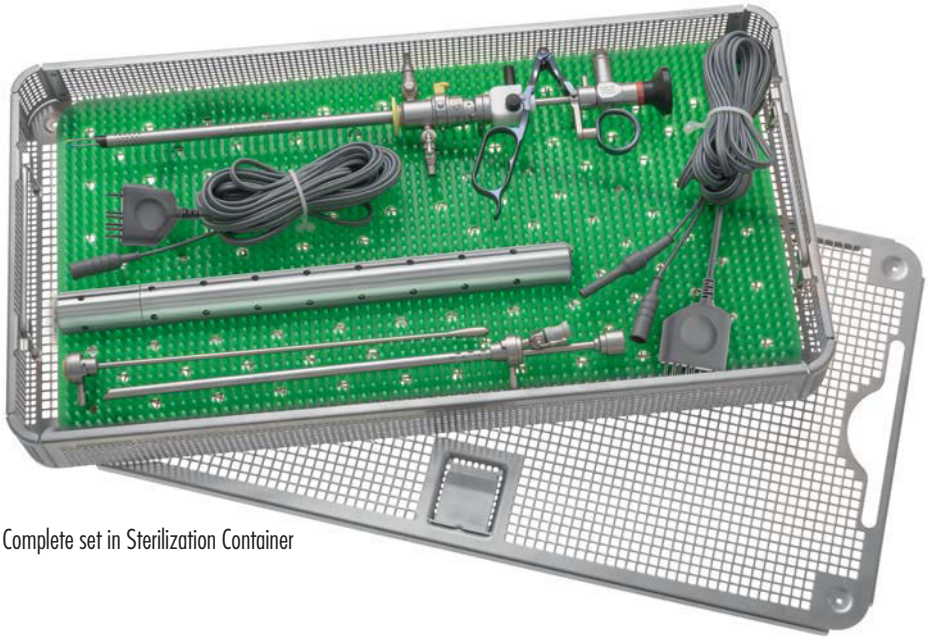
351-829-030	Hysteroscope, 30°, ∅ 2.9mm, autoclavable
351-400-201	Grazia HYBRID Working Element, active (please choose)
or 351-400-200	Grazia HYBRID Working Element, passive
351-000-185	Resectoscope Sheath, rotatable, ceramic tip
351-000-201	Loop Electrode
351-000-203	Knife Electrode
351-000-205	Ball Electrode
351-000-180	Visual Obturator, with 5 Charr. working channel
253-300-999	Sterilization tubes for electrodes
600-485-555	Stainless Steel Container, perforated, 480x254x55mm, with lid
600-281-003	Silicone mat, green, 440x230mm
700-500-453	SDS Cable, 4.5m, bipolar
700-501-453	SDS Cable, 4.5m, monopolar
700-503-003	Cable for Neutral Electrode
700-503-000	Disposable Neutral Electrode, pack of 50 pcs.

Neutral Electrode with cable

Further suitable Instruments can be found on pages 20-23

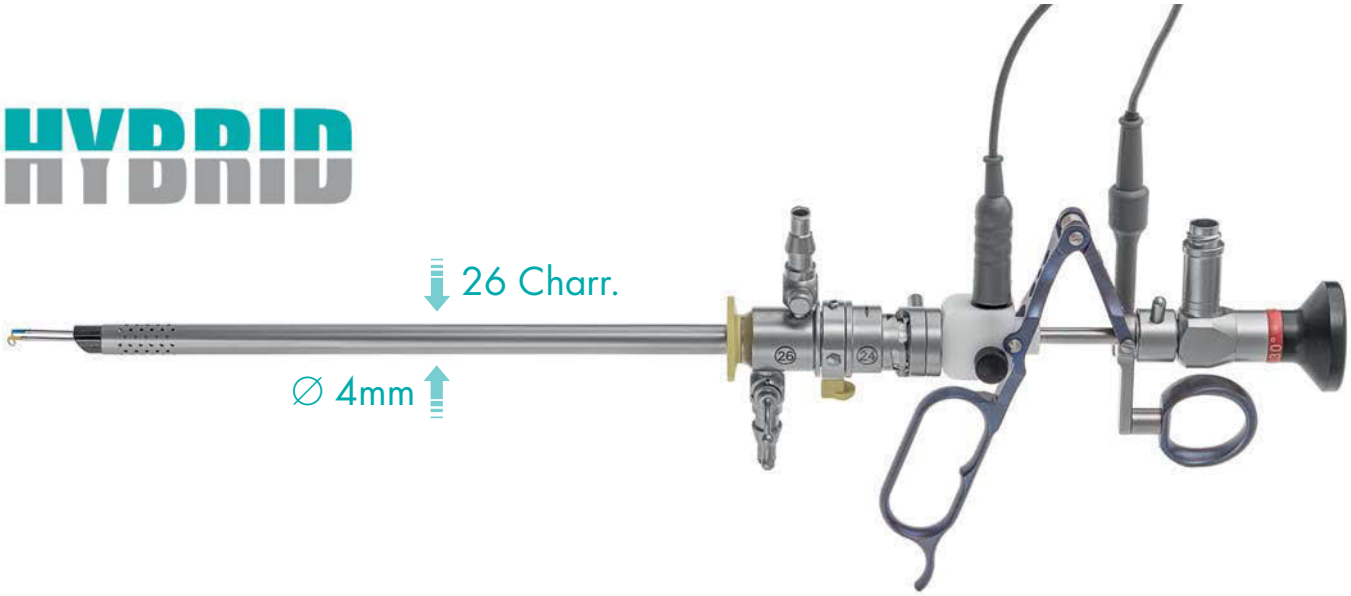
26 Charr. HF Surgery Hybrid Set

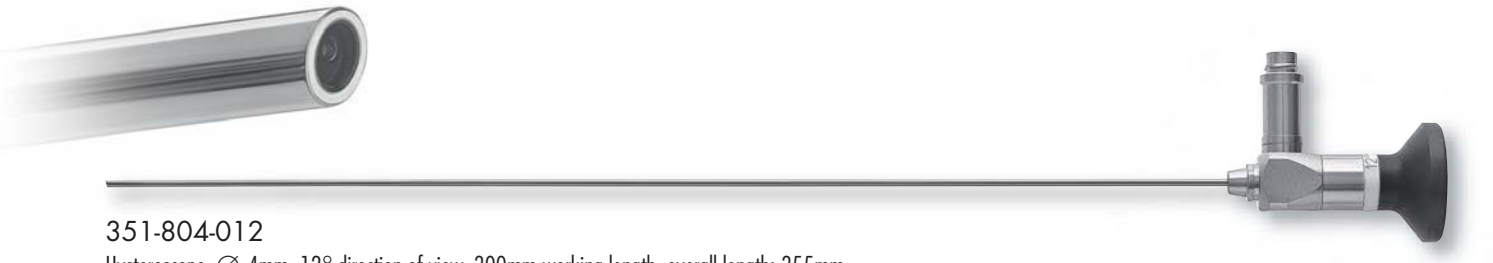




Complete set in Sterilization Container

Hybrid Resectoscope - 26 Charr.



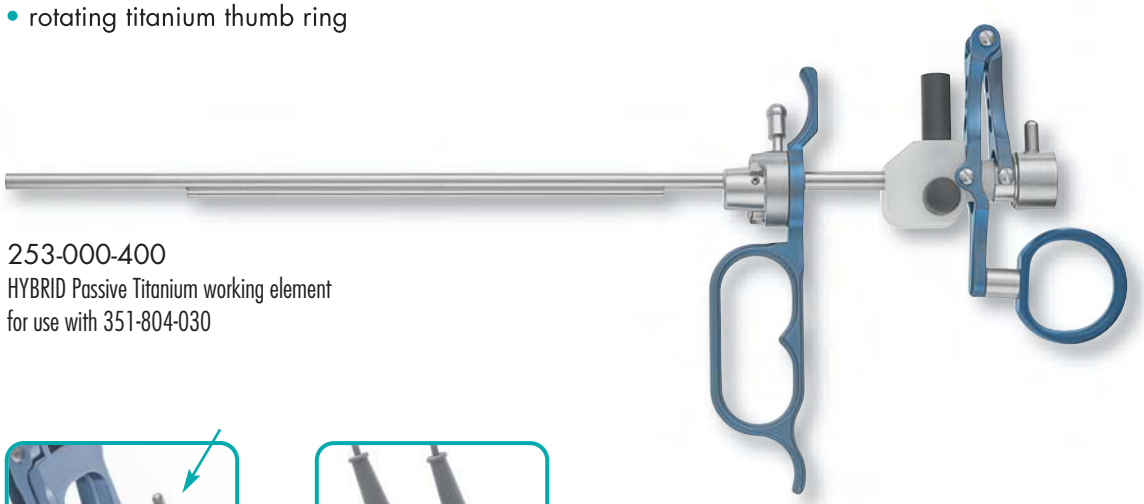


351-804-012
Hysteroscope, ∅ 4mm, 12° direction of view, 300mm working length, overall length: 355mm

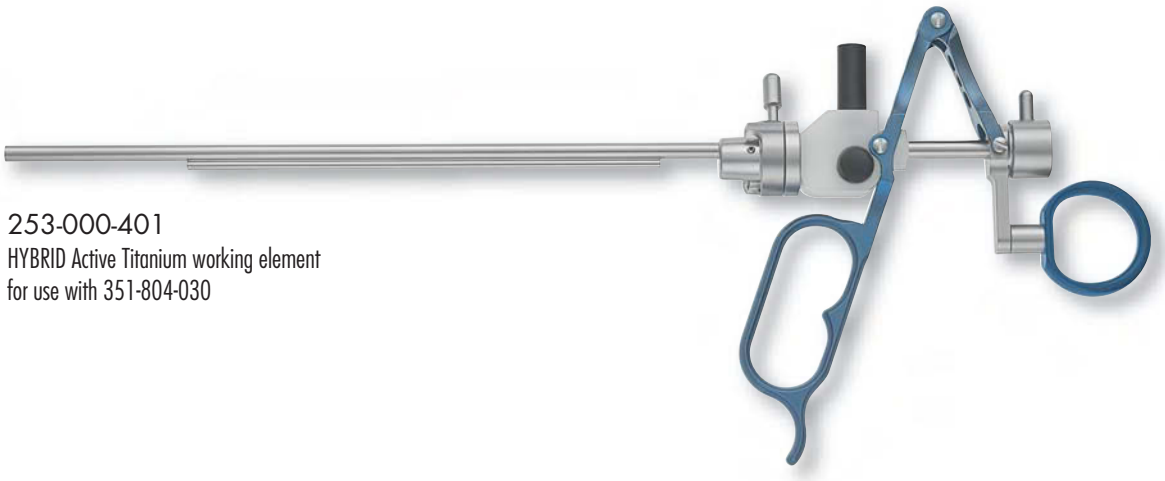
351-804-030
Hysteroscope, ∅ 4mm, 30° direction of view, 300mm working length, overall length: 355mm

RZ HYBRID working elements features

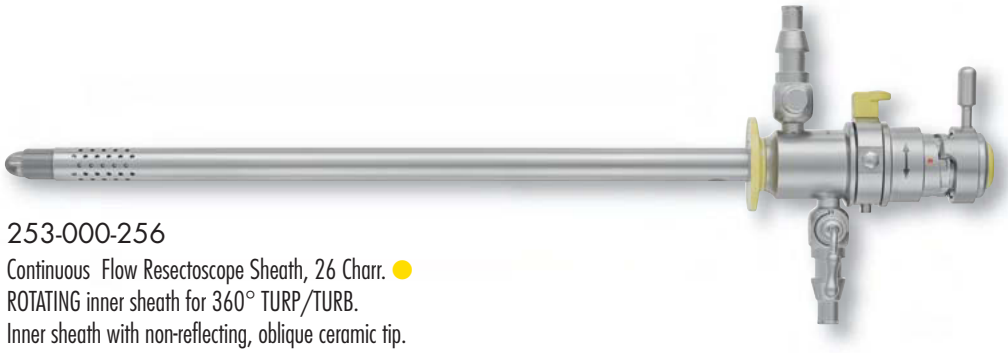
- lightweight and unique design for maximum comfort during long surgeries
- titanium handle parts
- sealed locking mechanism
- ergonomic handle design with finger rest for maximum comfort even on long surgeries
- rotating titanium thumb ring



253-000-400
HYBRID Passive Titanium working element
for use with 351-804-030

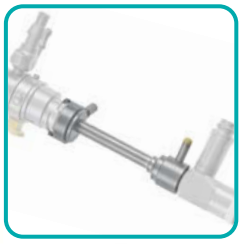


253-000-401
HYBRID Active Titanium working element
for use with 351-804-030



253-000-256
Continuous Flow Resectoscope Sheath, 26 Charr. ●
ROTATING inner sheath for 360° TURP/TURB.
Inner sheath with non-reflecting, oblique ceramic tip.
New RZ QuickLock mechanism for easy and fast assembling/disassembling.

253-000-266
Inner sheath with oblique ceramic tip for 253-000-256 ●



253-000-084
Visual Obturator for 24/26 Charr. Resectoscope Sheaths
and 4mm RZ Cystoscopes

253-000-094
Visual Obturator with 5 Charr. working channel
for 24/26 Charr. Resectoscope Sheaths and
4mm RZ Cystoscopes

24 Charr. Electrodes

Designed for RZ HF units shown on pages 80-83. Optimized and fits excellent for RZ HYBRID resection.

	253-400-200	Cutting loop, straight, for 12°/30° telescope
	253-400-201	Cutting Loop, angled, for 12°/30° telescope
	253-400-202	Cutting Loop, thick wire, angled, for 12°/30° telescope
	253-400-203	Collins Coagulation Electrode, pointed
	253-400-204	Coagulation Electrode, conical
	253-400-205	Coagulation Electrode, ball shape, ∅ 3mm
	253-400-211	Roller-Electrode, ∅ 3mm

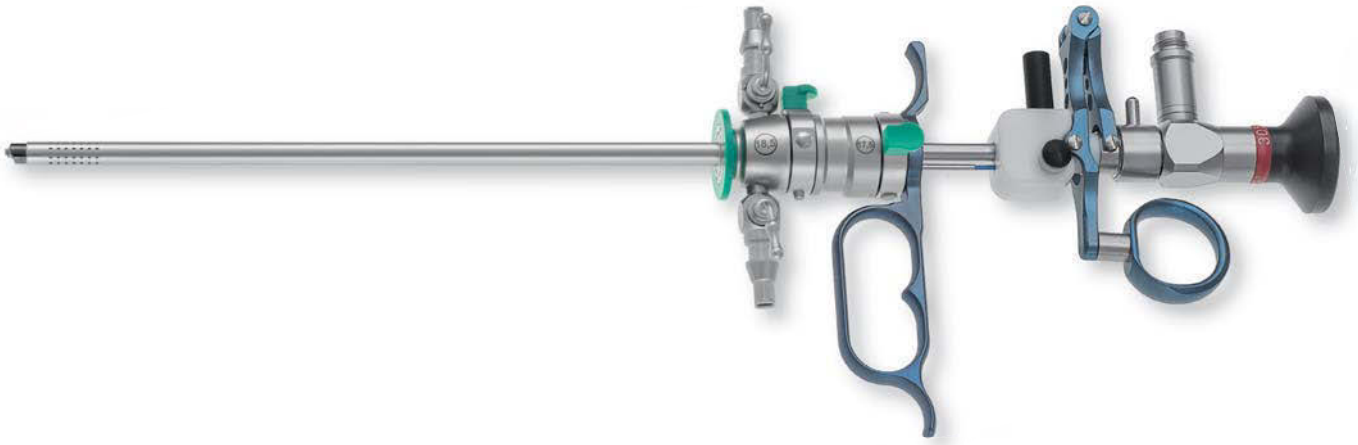
Suitable Cables can be found on page 33

Use the Accardi Cold Knives to perform "one step hysteroscopic myomectomies" on all intramural-submucous myomas.

Advantages:

- Easy to use
- "one step" procedure
- useful for all myomas G0 - G1 - G2
- safe procedure for the patient
- no electricity - no myometrial scar and damage
- no electricity - no perforation of the uterus
- available for 18.5 Charr. as well as 26 Charr. Resectoscope Systems

Accardi Cold Knives for use with the Grazia HYBRID Resectoscope - 18.5 Charr.



16 Charr.

	351-400-410	Accardi Cometa
	351-400-415	Accardi Orbit
	351-400-420	Accardi Hook
	351-400-430	Accardi L-Hook

Accardi Cold Knives for use with the RZ Hybrid Resectoscope - 26 Charr.

24 Charr.

	351-000-410	Accardi Loop
	351-000-415	Accardi Rake
	351-000-420	Accardi Knife

Italian Design Made in Germany

Bipolar Working Elements for GYNECARE-VERSAPOINT Bipolar Electodes

RZ compatible

351-000-400
Passive Titanium Working Element for use with
RZ Resectoscope Sheaths 253-000-256/253-000-356
and 4mm, 12°/30° RZ Hysteroscopes
351-804-012/351-804-030

351-000-401
Active Titanium Working Element for use with
RZ Resectoscope Sheaths 253-000-256/253-000-356
and 4mm, 12°/30° RZ Hysteroscopes
351-804-012/351-804-030

OLYMPUS compatible

351-000-500
Passive Titanium Working Element for use with
OLYMPUS Resectoscope Sheaths and Telescopes

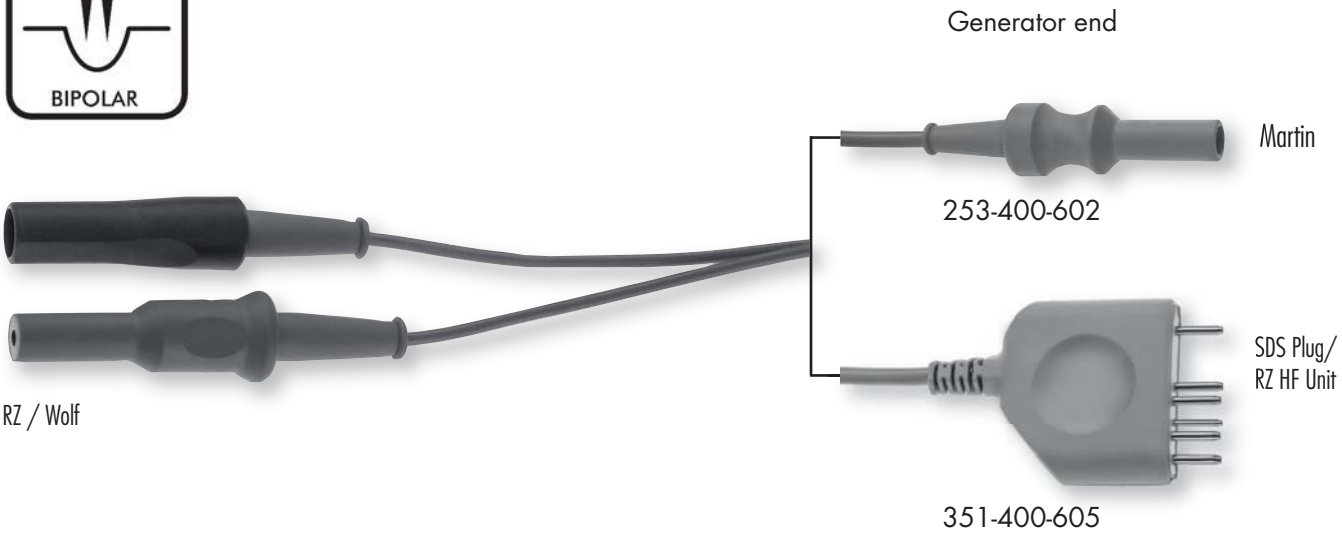
351-000-501
Active Titanium Working Element for use with
OLYMPUS Resectoscope Sheaths and Telescopes

RICHARD WOLF compatible

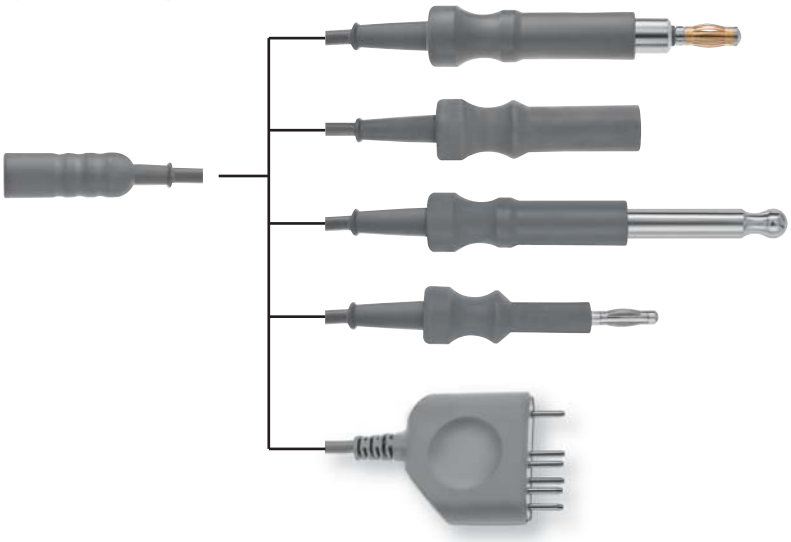
351-000-600
Passive Titanium Working Element for use with
R. WOLF Resectoscope Sheaths and Telescopes

351-000-601
Active Titanium Working Element for use with
R. WOLF Resectoscope Sheaths and Telescopes

Bipolar Cables for Resectoscopes



Monopolar Cables for Resectoscopes



253-610-001	with 5 mm plug for Erbe HF-unit
253-610-002	with 4 mm plug for Martin HF-unit
253-610-003	with 8 mm plug for Valleylab HF-unit
253-610-004	with 4 mm plug for older HF-units
700-501-453	SDS coded cable

The complete instrument consists of a autoclavable handle with a connection for monopolar use and the loop which can be ordered also as a spare part. The instrument can be used with a normal 5.5 mm trocar.

The main advantage of the laparoscopic supracervical hysterectomy is the salvage of the cervix. Due to a lot of torns at the cervix, there will be no vaginal descensus.

Additionally the intervention proceeds more rapidly, more gently and with fewer complications. Among other things, there is no open abdominal section, which contributes to faster recovery of the patient.

350-754-000
Hysterectomy Instrument with ∅ 100mm wire loop electrode

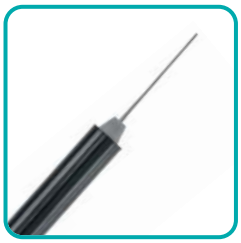
SPARE WIRE LOOPS (single use, non-sterile)
350-754-001 ∅ 100mm
350-754-002 ∅ 125mm
350-754-003 ∅ 65mm

Suitable monopolar cables for Electrodes can be found on page 19

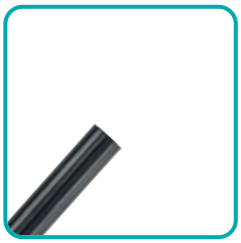
The needles of these monopolar electrodes are extremely delicate to ensure precise and exact cutting.

RZ offers two different types – a micro needle electrode with cutting function and a combined micro needle electrode with cutting and coagulation function.
This combi instrument enables precise cutting with pulled out needle and stopping bleedings with retracted needle. Both of them can be retracted for safe handling during the surgery.

MICRO NEEDLE ELECTRODE



Pulled out needle
cutting function



Retracted needle
Safe handling

350-752-320 320mm
350-752-420 420mm
Micro Needle Electrode for monopolar cutting

SPARE MICRO NEEDLE (Quantity: 12)
350-752-001

COMBINED MICRO NEEDLE ELECTRODE

Pulled out needle
Cutting & coagulation

Retracted needle
Only coagulation

350-753-320 320mm
350-753-420 420mm
Combined Micro Needle Electrode for cutting and coagulation

SPARE MICRO NEEDLE (Quantity: 12)
350-753-001

Active Monopolar Electrodes

Reusable, 2.4mm connection, 90mm working length, 1pc.

700-214-024
For ∅ 2.4mm electrodes, Handle with 2 buttons, firm 4m cable

700-760-002
∅ 2mm, Ball Electrode

700-760-004
∅ 4mm, Ball Electrode

700-760-620
20 x 2.5 mm, Spatula Electrode

700-760-500
25 x 3.2 mm, Spatula Electrode

700-760-510
12 x ∅ 0.5 mm, Needle Electrode

700-760-520
12 x ∅ 0.7 mm, Needle Electrode

700-760-900 140mm
700-760-910 90mm
700-760-920 70mm
For 2.4 mm sheath, Extension Sheath

700-760-012
12mm, 150mm working length, Conization Electrode

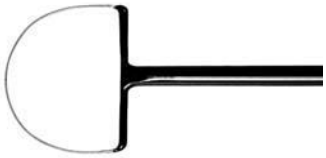
700-760-019
19mm, 150mm working length, Conization Electrode

Loop Electrodes
110mm working length

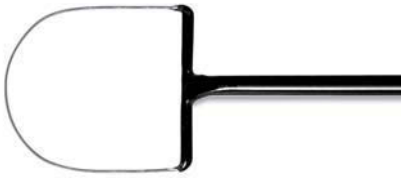
700-750-100
10 x 10mm

700-750-155
15 x 15mm

700-750-215
20 x 15mm



700-750-220
20 x 20mm



700-750-225
20 x 25mm

700-760-100
∅ 10mm

700-760-150
∅ 15mm

700-760-200
∅ 20 mm

700-760-250
∅ 25 mm

Active Monopolar Electrodes

Disposable, 2.4mm connection, 100mm working length, 5pcs.

700-755-105
10 x 10mm

700-755-158
15 x 10mm

700-755-152
15 x 12mm

700-755-155
15 x 15mm

700-755-208
20 x 20mm

700-755-215
20 x 15mm

700-755-251
20 x 18mm

Ball Electrodes

100mm working length, 5pcs.

700-755-003
∅ 3mm

700-755-004
∅ 4mm

700-755-005
∅ 5mm

350-660-100
Uterus Manipulator, complete with 6 Inserts

Inserts

350-660-111
∅ 8 x 80mm

350-660-112
∅ 10 x 100mm

350-660-113
∅ 3 x 45mm

350-660-114
∅ 3 x 55mm

350-660-115
∅ 3.2 x 34mm

350-660-116
∅ 3.2 x 45mm

❶
350-740-000
Mangeshikar
Uterus Manipulator, complete set

❷
350-740-005 35mm
350-740-006 40mm
350-740-007 45mm
Tube with insulation ring

❸
350-740-040 4x40mm
350-740-050 5x50mm
350-740-060 6x60mm
350-740-070 7x70mm
350-740-080 8x80mm
Intrauterus tip insert

350-158-003
IUD Grasping Forceps 1 x 2 Teeth, flexible, ∅ 3mm, with spring handle

Myoma screw
300-032-015 ∅ 5mm, 330 mm working length
300-042-005 ∅ 5mm, 420 mm working length
300-033-010 ∅ 10mm, 330 mm working length
300-042-010 ∅ 10mm, 420 mm working length

RZ Myoma Grasping Forceps, 330 mm working length
350-755-007 7mm jaws
350-755-011 11mm jaws
350-755-017 17mm jaws

350-400-250
Schroeder Tenaculum forceps

351-815-150
Fibre optic clip, plastic
for amnioscopes, incl. adapter

351-815-160
Power light handle 3,6V, Xenon
incl. Storz-Adapter

Amnioscope Tubes, conical,with obturator, 200mm working length
351-815-012 12/24mm
351-815-016 16/24mm
351-815-020 20/24mm

Amnioscope Tubes, conical,with obturator
351-815-118 18/40mm, 200mm working length
351-815-132 32/40mm, 140mm working length

300-011-181
LuerLock tube connector 9mm

300-011-506
LuerLock tube connector 6mm

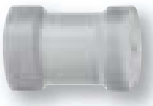
300-011-184
LuerLock Tuohy Borst Adapter

300-011-178
LuerLock one-way stop-cock with spring screw cap

300-011-179
LuerLock tube connector with stopcock

300-400-900
Rubber Seals for LuerLock connectors

300-400-901
Rubber Seals for LuerLock connectors



301-701-100
Grey Rubber cap for use on all working channels

351-905-105
Disposable Silicone Valve with LuerLock connection for use with 3 - 10 Charr. instruments sterile packed,
package with 10 pieces

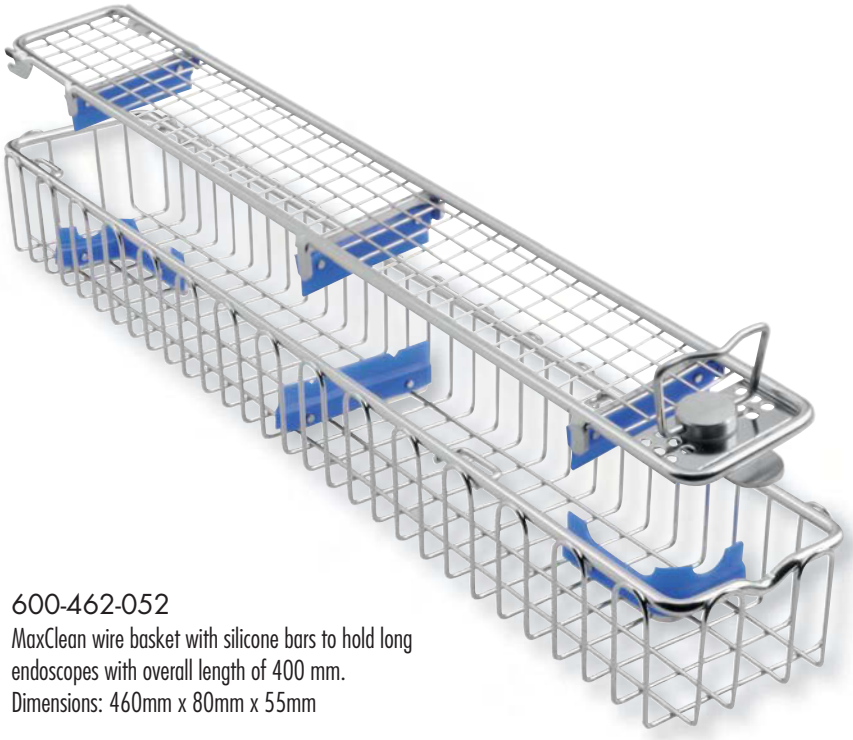
Dittel Bougies, straight

253-320-225	8 Charr.	253-329-225	22 Charr.
253-321-225	9 Charr.	253-330-225	24 Charr.
253-322-225	10 Charr.	253-331-225	25 Charr.
253-323-225	11 Charr.	253-332-225	26 Charr.
253-324-225	12 Charr.	253-333-225	27 Charr.
253-325-225	14 Charr.	253-334-225	28 Charr
253-326-225	16 Charr.	253-335-225	30 Charr.
253-327-225	18 Charr.	253-336-225	32 Charr.
253-328-225	20 Charr.	253-337-225	34 Charr.

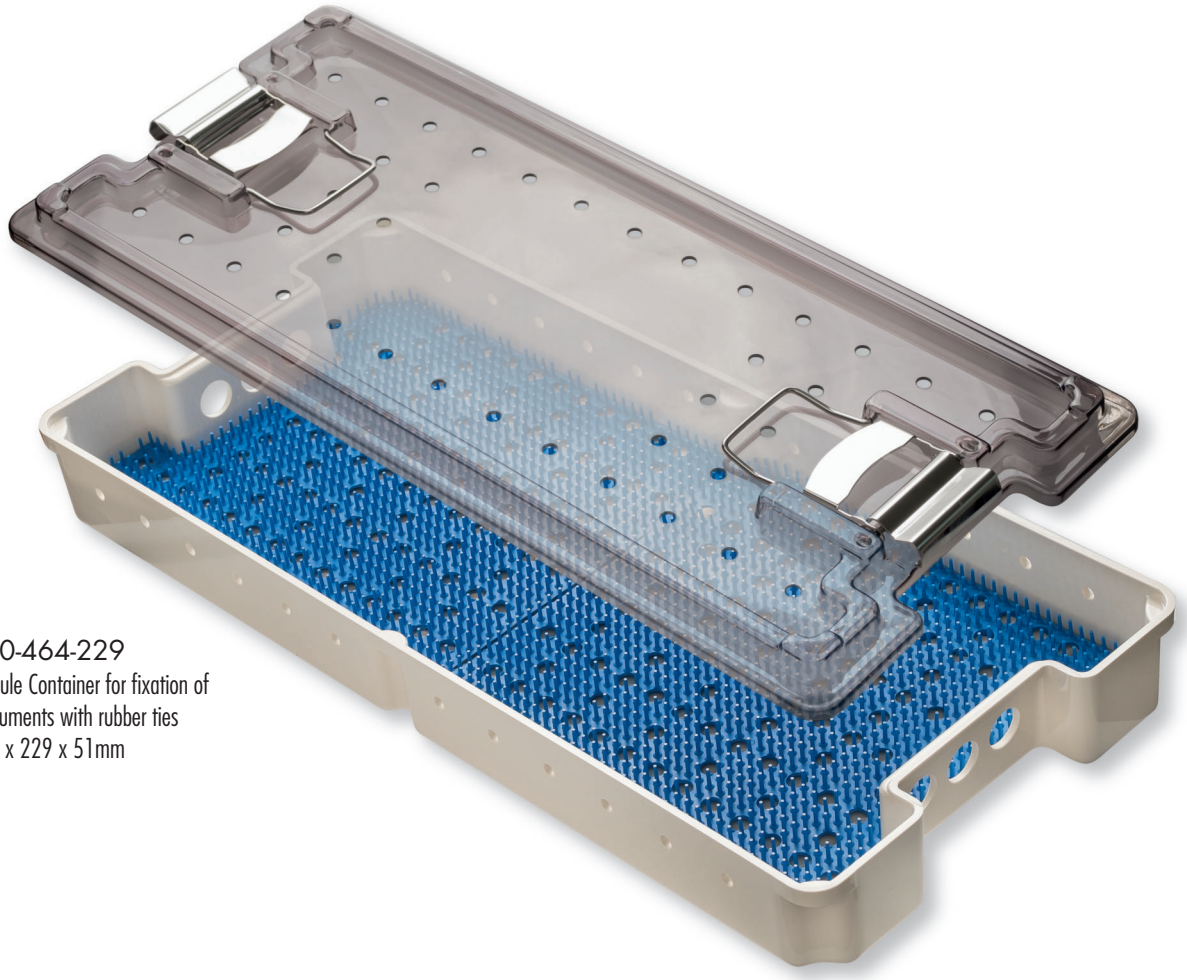
Catheter for female

320-721-080	8 Charr.
320-721-100	10 Charr.
320-721-120	12 Charr.
320-721-140	14 Charr.
320-721-160	16 Charr.
320-721-180	18 Charr.
320-721-200	20 Charr.
320-721-220	22 Charr.
320-721-240	24 Charr.

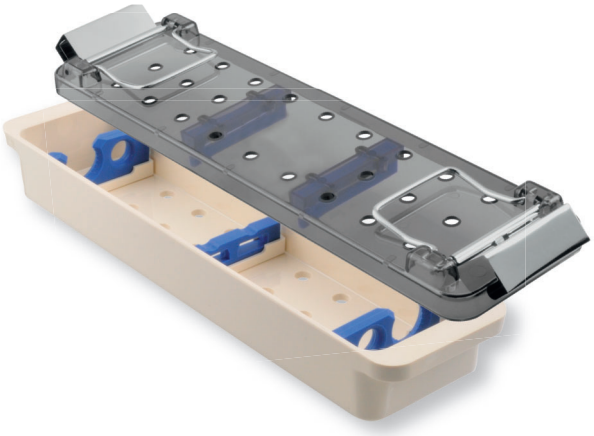
600-292-052
MaxClean wire basket with silicone bars to
hold 2 short endoscopes with overall length of 230mm.
Dimensions: 290mm x 80mm x 55mm

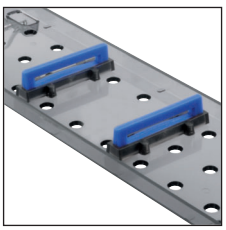


600-462-052
MaxClean wire basket with silicone bars to hold long
endoscopes with overall length of 400 mm.
Dimensions: 460mm x 80mm x 55mm



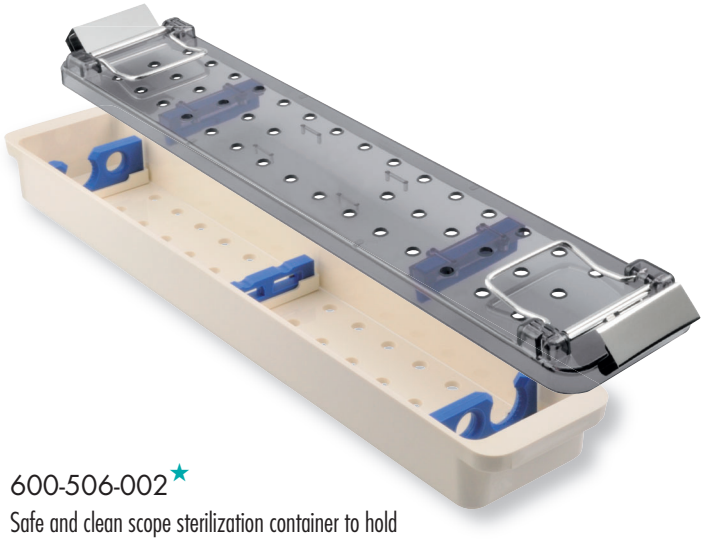
600-464-229
Module Container for fixation of instruments with rubber ties
464 x 229 x 51mm



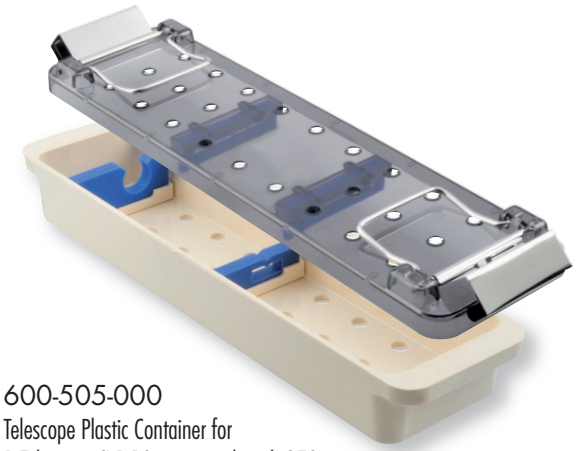


Safe and clean with silicone bars on base and lid

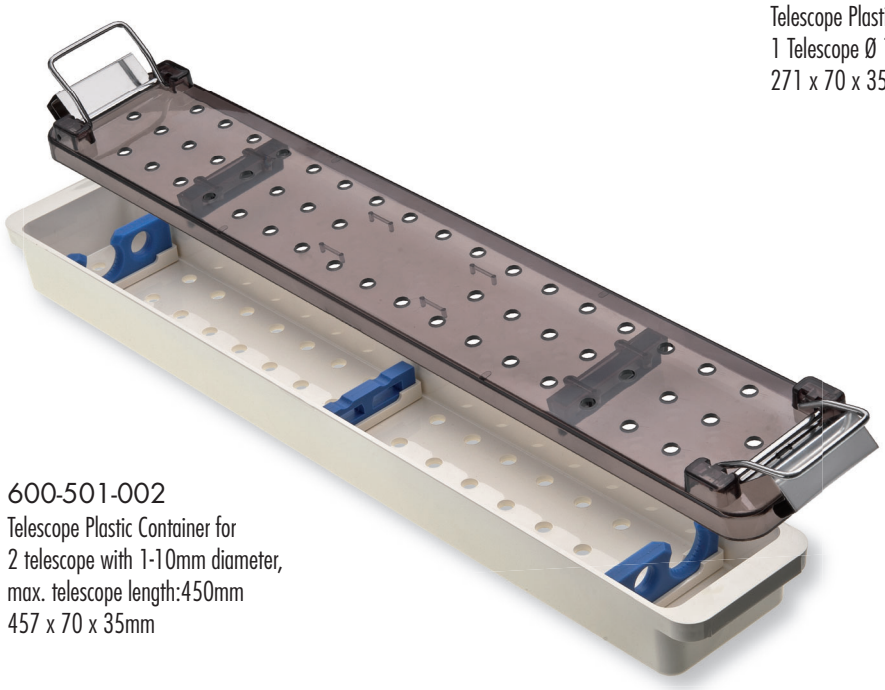
600-505-002 Safe+Clean double scope sterilization container to hold 2 short scopes with maximum length of 190 mm.
Dimensions: 271 mm x 70 mm x 35 mm



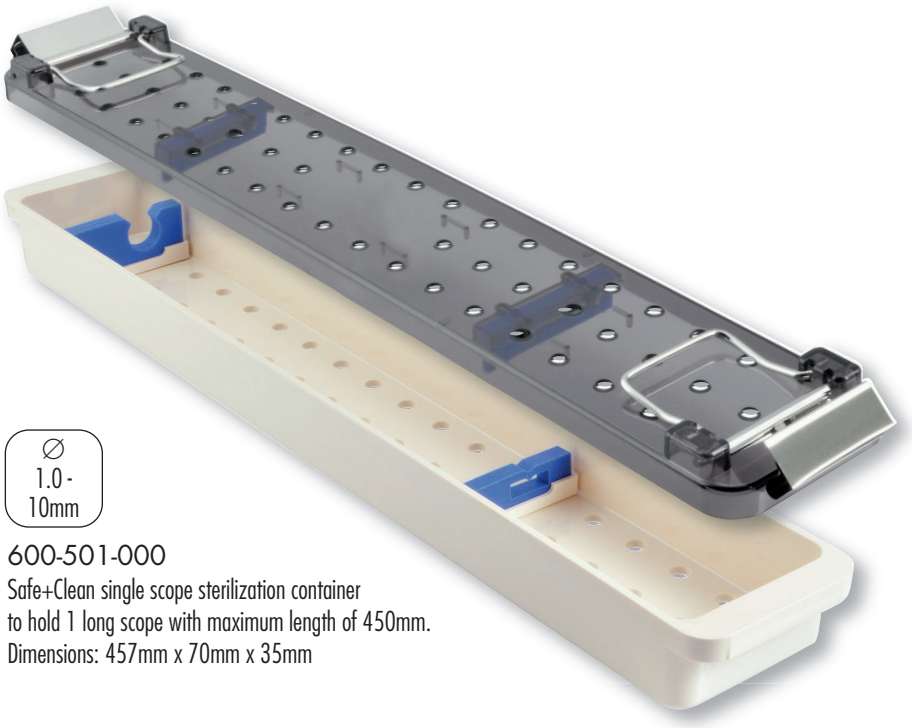
600-506-002★
Safe and clean scope sterilization container to hold
2 medium scopes with maximum length of 390 mm.
Dimensions: 394 mm x 70 mm x 35 mm



600-505-000
Telescope Plastic Container for
1 Telescope Ø 1-10mm max. length 270mm
271 x 70 x 35mm

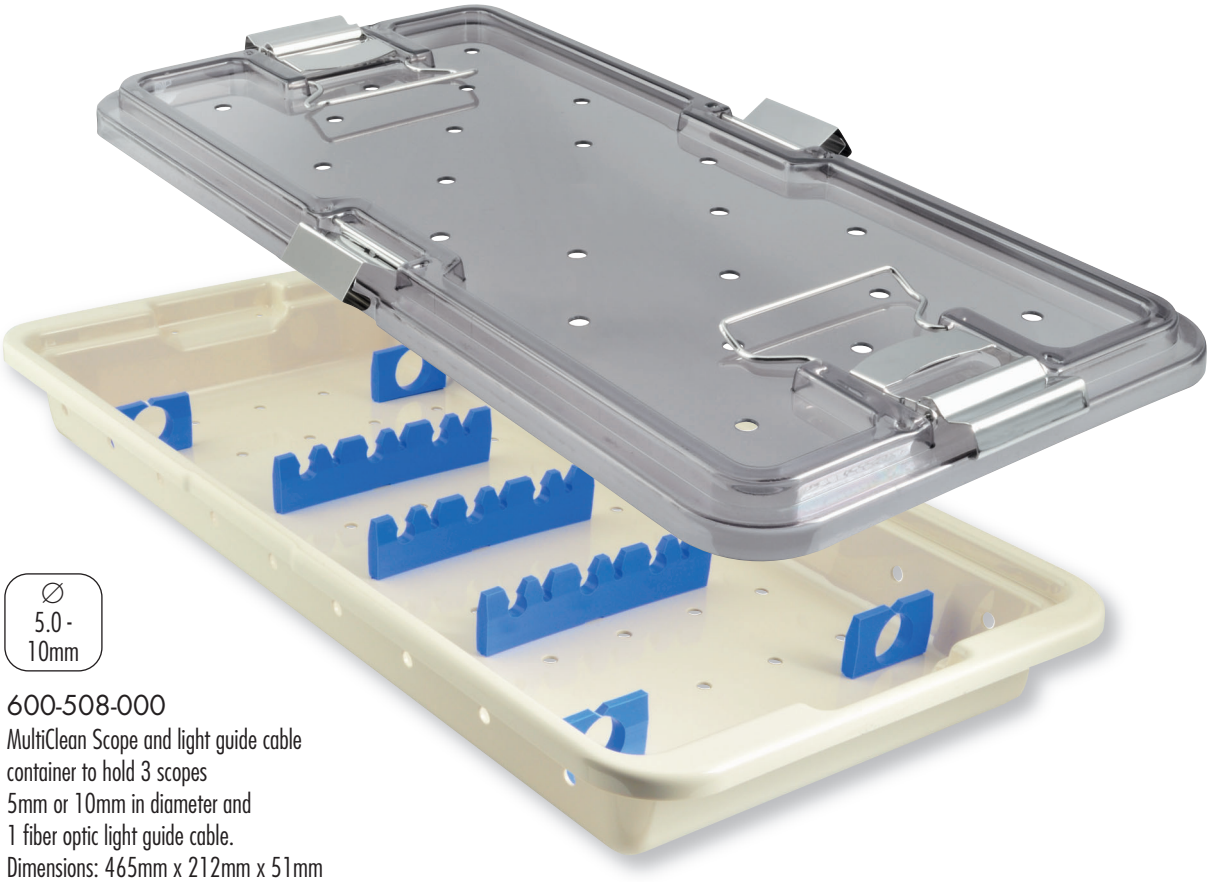


600-501-002
Telescope Plastic Container for
2 telescope with 1-10mm diameter,
max. telescope length:450mm
457 x 70 x 35mm



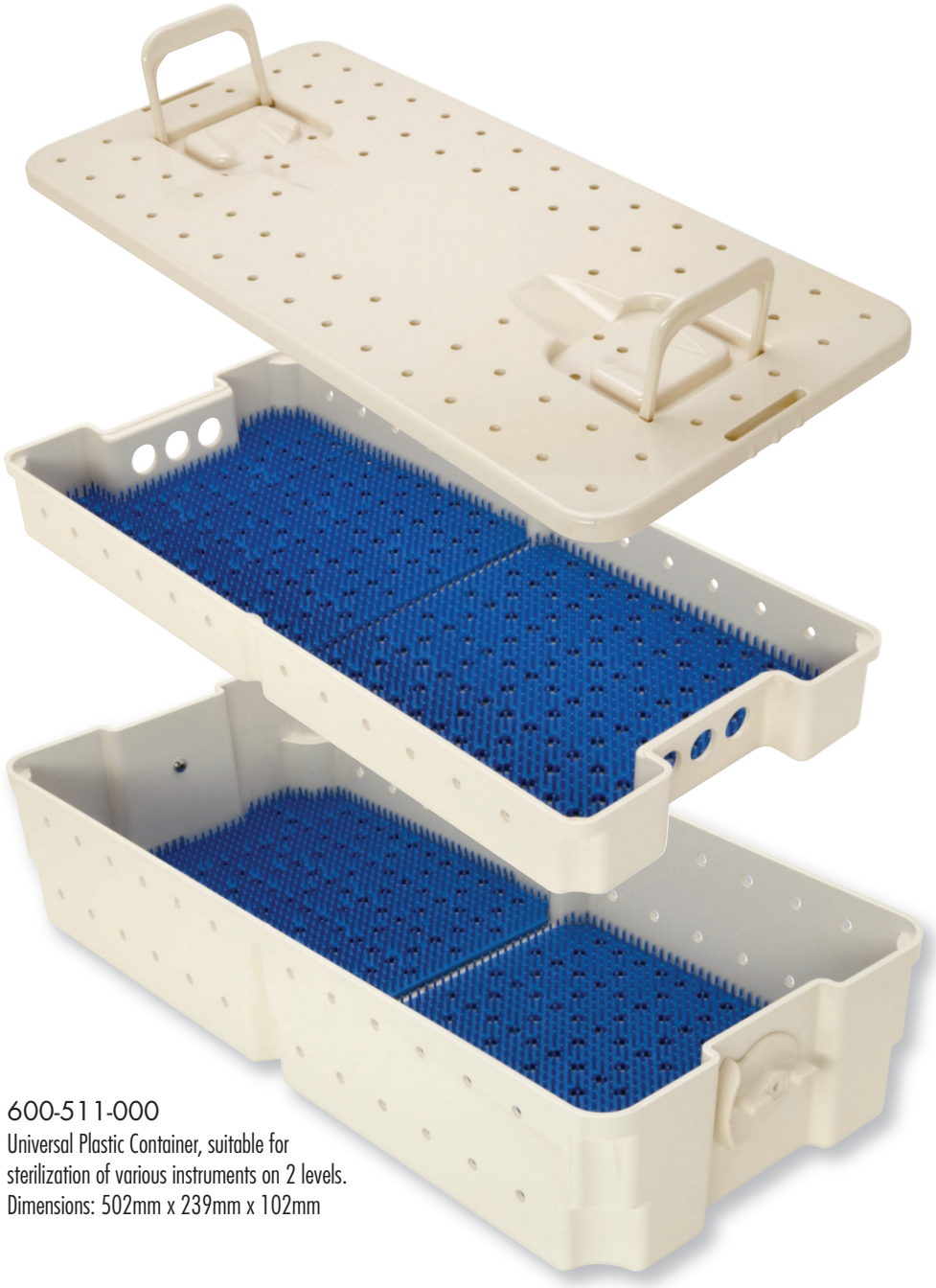
∅
1.0 -
10mm

600-501-000
Safe+Clean single scope sterilization container
to hold 1 long scope with maximum length of 450mm.
Dimensions: 457mm x 70mm x 35mm

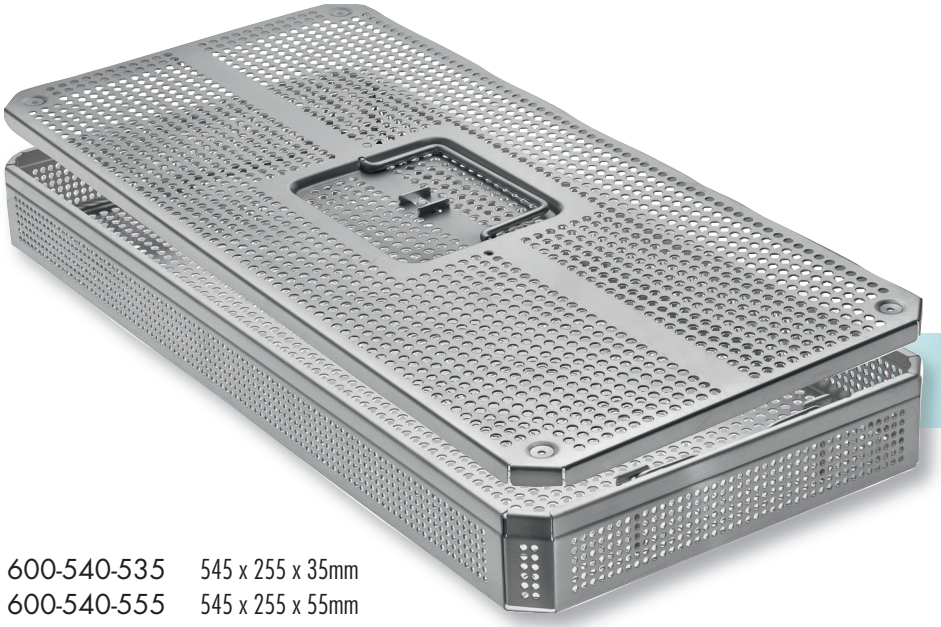


∅
5.0 -
10mm

600-508-000
MultiClean Scope and light guide cable container to hold 3 scopes 5mm or 10mm in diameter and 1 fiber optic light guide cable.
Dimensions: 465mm x 212mm x 51mm



600-511-000
Universal Plastic Container, suitable for sterilization of various instruments on 2 levels.
Dimensions: 502mm x 239mm x 102mm

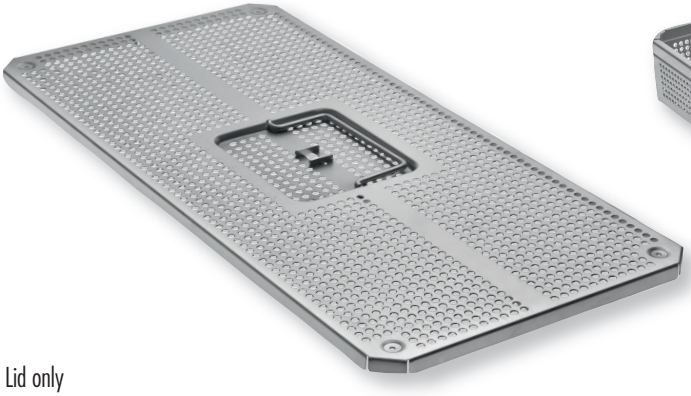


Stainless Steel Basket with round perforation, with lid

1/1

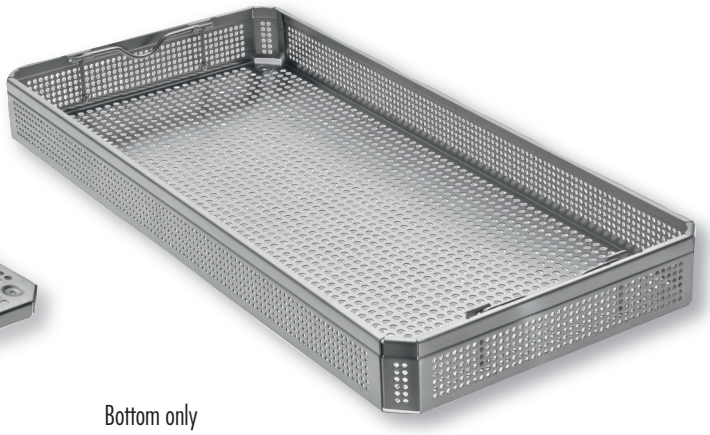
545mm length

600-540-535	545 x 255 x 35mm
600-540-555	545 x 255 x 55mm
600-540-575	545 x 255 x 75mm
600-540-605	545 x 255 x 105mm



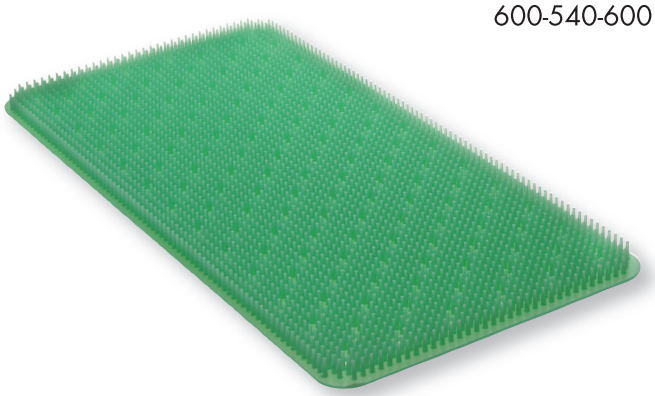
Lid only

600-540-500	545 x 255 mm



Bottom only

600-540-530	545 x 255 x 30mm
600-540-550	545 x 255 x 50mm
600-540-570	545 x 255 x 70mm
600-540-600	545 x 255 x 100mm



600-281-004
Silicone Mat, green, 500x230mm

Stainless Steel Basket with round perforation, with lid

1/1

485mm length

600-485-535	485 x 255 x 35mm
600-485-555	485 x 255 x 55mm
600-485-575	485 x 255 x 75mm
600-485-605	485 x 255 x 105mm

Lid only

600-485-500	485 x 255 mm

Bottom only

600-485-530	485 x 255 x 30mm
600-485-550	485 x 255 x 50mm
600-485-570	485 x 255 x 70mm
600-485-600	485 x 255 x 100mm

600-281-003 Silicone Mat green, 440x230mm

Stainless Steel Basket with round perforation, with lid

3/4

405mm length

600-405-535	405 x 255 x 35mm
600-405-555	405 x 255 x 55mm
600-405-575	405 x 255 x 75mm
600-405-605	405 x 255 x 105mm

Lid only

600-405-500	405 x 255 mm

Bottom only

600-405-530	405 x 255 x 30mm
600-405-550	405 x 255 x 50mm
600-405-570	405 x 255 x 70mm
600-405-600	405 x 255 x 100mm

600-281-002	Silicone Mat green, 380x230mm

Stainless Steel Basket with round perforation, with lid

1/2

255mm length

600-255-535	255 x 245 x 35mm
600-255-555	255 x 245 x 55mm
600-255-575	255 x 245 x 75mm
600-255-605	255 x 245 x 105mm

Lid only

600-255-500	255 x 245 mm

Bottom only

600-255-530	255 x 245 x 30mm
600-255-550	255 x 245 x 50mm
600-255-565	255 x 245 x 70mm
600-255-600	255 x 245 x 100mm

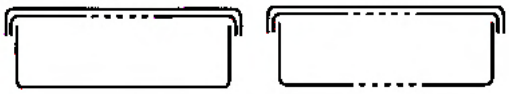
600-281-001 Silicone Mat green, 220x230mm

- Integrated safety lid
- Ergonomic, noise-reduced handles
- Color matched lid and handles
- Increased stability due to reinforced container walls
- Safe fluctuation of air and steam thanks to integrated spring system

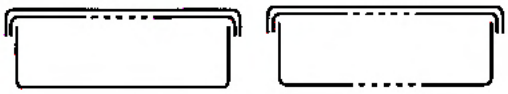
Folding front handle

Color-matched safety lid

Colored handles



Size (LxWxH)			
580x280x100 mm		600-580-101	600-579-101
		600-580-102	600-579-102
		600-580-103	600-579-103
		600-580-104	600-579-104
		600-580-105	600-579-105
		600-580-106	600-579-106
580x280x135 mm		600-580-131	600-579-131
		600-580-132	600-579-132
		600-580-133	600-579-133
		600-580-134	600-579-134
		600-580-135	600-579-135
		600-580-136	600-579-136
580x280x150 mm		600-580-151	600-579-151
		600-580-152	600-579-152
		600-580-153	600-579-153
		600-580-154	600-579-154
		600-580-155	600-579-155
		600-580-156	600-579-156
580x280x200 mm		600-580-201	600-579-201
		600-580-202	600-579-202
		600-580-203	600-579-203
		600-580-204	600-579-204
		600-580-205	600-579-205
		600-580-206	600-579-206
580x280x260 mm		600-580-261	600-579-261
		600-580-262	600-579-262
		600-580-263	600-579-263
		600-580-264	600-579-264
		600-580-265	600-579-265
		600-580-266	600-579-266

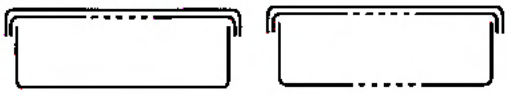


Size (LxWxH)

Size (LxWxH)			
465x280x100 mm		600-469-101	600-470-101
		600-469-102	600-470-102
		600-469-103	600-470-103
		600-469-104	600-470-104
		600-469-105	600-470-105
		600-469-106	600-470-106

465x280x135 mm		600-469-131	600-470-131
		600-469-132	600-470-132
		600-469-133	600-470-133
		600-469-134	600-470-134
		600-469-135	600-470-135
		600-469-136	600-470-136

465x280x150 mm		600-469-151	600-470-151
		600-469-152	600-470-152
		600-469-153	600-470-153
		600-469-154	600-470-154
		600-469-155	600-470-155
		600-469-156	600-470-156



Size (LxWxH)			
	285x280x100 mm	600-280-101	600-279-101
		600-280-102	600-279-102
		600-280-103	600-279-103
		600-280-104	600-279-104
		600-280-105	600-279-105
		600-280-106	600-279-106
	285x280x135 mm	600-280-131	600-279-131
		600-280-132	600-279-132
		600-280-133	600-279-133
		600-280-134	600-279-134
		600-280-135	600-279-135
		600-280-136	600-279-136
	285x280x150 mm	600-280-151	600-279-151
		600-280-152	600-279-152
		600-280-153	600-279-153
		600-280-154	600-279-154
		600-280-155	600-279-155
		600-280-156	600-279-156
	285x280x200 mm	600-280-201	600-279-201
		600-280-202	600-279-202
		600-280-203	600-279-203
		600-280-204	600-279-204
		600-280-205	600-279-205
		600-280-206	600-279-206
	285x280x260 mm	600-280-261	600-279-261
		600-280-262	600-279-262
		600-280-263	600-279-263
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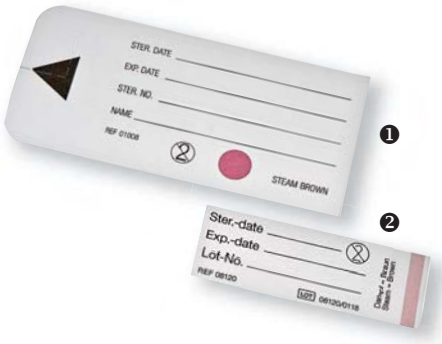
		600-280-265	600-279-265
		600-280-266	600-279-266

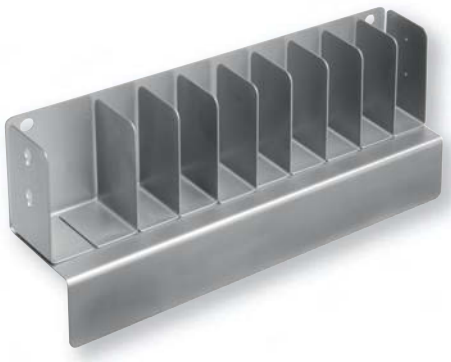


Identification label, 100 pieces per package
❶ 600-908-100 STANDARD
❷ 600-908-000 SMALL

600-909-000
Plastic security seal,
100 pieces per package

Identification label	with hole for snap hook 56x17mm	with slot 50x17mm
unmarked	600-900-040	600-900-041
unmarked	600-900-050	600-900-051
unmarked	600-900-060	600-900-061
unmarked	600-900-070	600-900-071
unmarked	600-900-080	600-900-081
unmarked	600-900-090	600-900-091
unmarked	600-900-100	600-900-101
marked	600-900-108	600-900-109
marked	600-900-110	600-900-111
marked	600-900-120	600-900-121
marked	600-900-130	600-900-131
marked	600-900-140	600-900-141
marked	600-900-150	600-900-151
marked	600-900-160	600-900-161

Snap Hook without retainer (without illustration) 600-900-170



600-900-210
Dispenser for identification labels
(8 small compartments and 1 double compartment)
as table or wall model

600-380-100
PTFE (TEFLON) Filter, round, STANDARD

600-290-630
Filter Dispenser for disposable Filter,
round, 195x195mm

600-100-000
RZ-Aquajet
Water Jet Pistol complete with 9 tips and 1m pressure tubing, with strap and suspension hook

300-135-905
Cleaning brush for ∅ 5mm, 500mm length (1 piece per box)

300-135-910
Cleaning brush for ∅ 10mm, 500mm length (1 piece per box)

300-215-000
Cleaning brush, length 215mm, brush length 60mm, brush ∅ 13mm

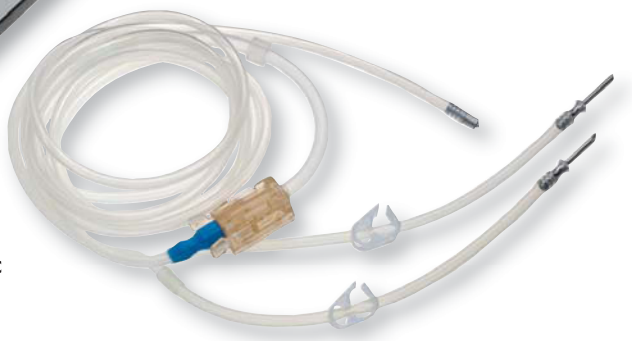
300-420-065
Cleaning brush, length 420mm, brush length 65mm, brush ∅ 3mm

700-900-149
Oil Spray (400ml)

700-900-250
Oil Dispenser, 140mm

700-900-220
Special Cotton for polishing metal sheaths and instruments

700-900-160
Instrument Oil in 50ml bottle



351-100-200 Basic Irrigation Pump P1

This unit offers all basic functions for irrigation in hysteroscopic surgery. Thanks to hydrostatic pressure regulation, the precise pressure in the treated body part is displayed. State-of-the-art and reliable technology features this versatile Pump.

Features:

- Hydrostatic pressure regulation
- Silicone tubing set included (225-910-001)
- Easy to operate, splash-proofed display
- Highly raliable tube guide and handling
- Skid-proof pedestals

Accessories:

351-100-201	Irrigation tubing set, silicone, autoclavable	non-sterile	included
351-100-202	Irrigation tubing set, PVC, 20 pieces, daily tube	sterile	optional
351-100-206	Patient tube, PVC, 2,5m, 40 pieces	sterile	optional

Delivery contains:

• Pump device • Tubing set • Mains cable • 2 Spare fuses

Technical data

Line Voltage	100-230 V/AC - Fuse T 3.15 A L 250 V
Frequency	50-60 Hz
Power Input	60 VA
Device Type acc. to DIN EN 60601-1:2005	BF
Classified acc. to EG-Guidelines 93/42/EEC	IIa
Safety Class acc. to DIN EN 60601-1:2005	I
Manufactured and tested according to	DIN EN 60601-1:2005
Radio interference suppression	DIN EN 60601-1-2:2007

Irrigation Power	0 - 1.0 l/min
Pressure Range	10 - 150 mm Hg
Operating Conditions	+10 to +40°C Realtive humidity of air: 30 - 70%
Store and Transport Conditions	- 40 to +70°C Realtive humidity of air (not condensed): 10 - 90%
Splashproofed	IPX 1
Registration	CE 1253
Measurements	380 x 130 x 400 mm (WxHxD)
Weight	Ca. 11 kg

351-100-300 HYS Pump Pro P5

P5 is a fluid irrigation pump to be used in endoscopic operations in the fields of hysteroscopy. It is equipped with a scale for fluid managment. Hydrostatic pressure compensation procedure ensures correct pressure reading.
Highest safety is ensured by air bubble detection.

351-100-201
Tubing Set included

Features:

- Advanced fluid management system for Hysteroscopy
- Scale for fluid management
- Hydrostatic pressure compensation (level)
- Acoustic and visual air bubbles warning system

Accessories:

351-100-201	Tubing Set "Irrigation", silicone, autoclavable	non-sterile	included
351-100-202	Irrigation tubing set, PVC, 20 pieces, daily tube	sterile	optional
351-100-206	Patient tube, PVC, 2,5m, 40 pieces	sterile	optional
351-100-301	Scale incl. mounting accessories	non-sterile	included

Delivery contains:
• Pump device • Irrigation tubing set
• Scale • 2 Spare fuses • Operating Manual

Fluid management compares input and output continuously. Tolerable difference and maximum tank volume can be adjusted. The scale works with a great variety of containers. Overflow of liquid is prevented automatically.

Technical Data

Line voltage	100-240V/AC – Fuse T3.15A L 250V
Frequency	50-60 Hz
Power input	max. 80 VA
Device type	BF
Classified acc. to EG-Guidelines 93/42/EEC	IIa
Protection class	I
Setup	DIN EN 60601-1:2005
Radio interference suppression	DIN EN 60601-1-2:2007
Irrigation Power	0 - 0.500 L/min
Pressure range	10-200 mm Hg
Temperature range	+10 - +40°C
Operating conditions	+10 to +40°C, relative humidity of air: 30-70%

Storage and transport conditions	-40 to +70°C, relative humidity of air (not condensed): 10-90%
Splash-water protection	IPX 1
Registration	CE 1253
Measurements	380 x 130 x 400 mm (WxHxD)
Weight	Ca. 11 kg
Scale	Rated load up to 35 Kg
- Measurements	270x270x400mm (WxHxD)
- Weight	ca. 5kg
- Container volume	0 - 9.9 L
- Fluid balance	0 - 2.0 L (volume fluid loss)

Powerful surgical suction unit for high demands. Designed for continuous operation, silent running, quick-mount mechanism for connection to system trolley without the use of tools, two vacuum attachments, easy to clean surfaces with additional protection against the penetration of liquids, integrated extra-large precision-vacuum indication, loss-free, infinitely variable ball-shaped vacuum regulator.
DDS system for hose-free coupling of the pump to the DDS canister.

166-956-000
Mobile Suction Unit with 2 x 3 L canister
incl. Footswitch

FEATURES:

- Easy change-over from mobile to table-top unit
- Silent running
- Integrated vacuum indication
- Easy to clean

Technical Data

Mains voltage	230V (-50/60Hz)
Power Consumption	max. 173W
Suction Performance	45L/min +3 / -5L / min max. -91kfa
Noise Level	<48dB
Weight:	14.3 kg

Delivery contains:

- Basic Unit • Mains Cable • Operating Instructions
- 2 DDS Canisters 3L • 2 DDS Canister Lids
- 2 DDS Canister Handles • 2 DDS Splash Protections
- 10 DDS Bacterial Filters • DDS Hose Adapter Set
- DDS Holder on Canister • System Trolley
- DDS Change-Over Docking Station • Suction Hose
- Standard Rail Adapter • Footswitch

DISTRIBUTED BY

CE 0124

ATMOS Medizintechnik GmbH & Co. KG

300-001-902
Pressure Infusion Cuffs
with hand pump and pressure proved manometer

- Transparent net
- Hanger fluid bag: can be replaced easily
- Pressure proved manometer: range from 0–300 mmHg
- Quick inflation thanks to large volume with release valve for pressure control

FULL HD

300-001-804 3-Chip HD Camera F4

FEATURES:

- 3-Chip Full HD camera with latest MOS technology
- Pure Natural Colors technology
- Multitude of digital video outputs for best possible picture transmission to medical grade monitors
- 3 programmable remote control buttons
- User-friendly multilingual menu allows a large variety of setups to individual procedures and surgeons preferences
- Full HD 60fps video recording
- Full HD image saving
- USB pen drive included
- Boost function
- On-screen-menu
- 3 user settings storable
- 2.5x digital zoom
- Freeze function
- Text generator (optional with keyboard)

PURE NATURAL COLORS

DELIVERY CONTAINS:

• Main Unit • Camera head • YPbPr/RGB cable • 2x BNC cable
• HDMI - DVI cable • HDMI cable • S-Video cable • Jack Cable
• USB Pen Drive • Mains cable • Operating manual

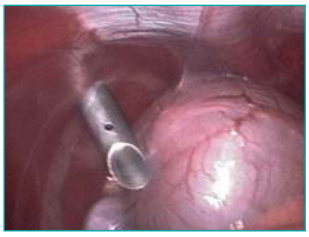
Technical Data

Mains voltage	100-240 V, 50-60 Hz
Power Input	20 W
Sensor	3 MOS
TV resolution	1920x1080 pixels (Full HD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	< 3lx (1/1.4)

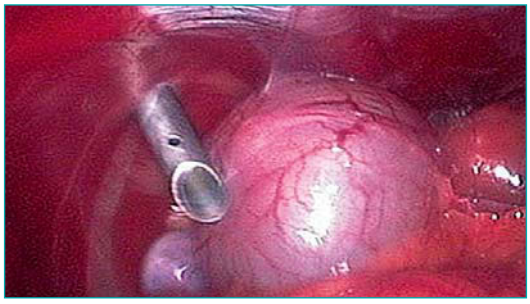
Video outputs

Digital:	2 x HD SDI
	1 x HDMI / DVI 2 x CVBS
Analog:	1 x YPbPr / RGB
	1 x Y/C (Pal / NTSC)
	1 x CVBS (Pal / NTSC)
Shutter speed	1/50 (1/60) to 1/100.000 sec
Dimensions	Control unit: 380 x 120 x 360 mm
	(WxHxD); 11 kg
Camera Head	145g

3 CHIP FULL HD IMAGING



4:3 standard



Latest 3-Chip MOS 16:9 technology

- 3-Chip Full HD camera with latest MOS technology for brilliant picture quality
- Pure Natural Colors technology
- Multitude of digital video outputs for best possible picture transmission to medical grade monitors

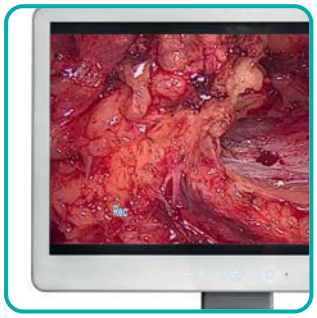
300-001-615
Title generator keyboard, waterproof IP68
US-Layout, PS/2 Connector, cable 1.8m
Color: grey, 305x140x15mm, 600gr.

ERGONOMIC CAMERA HEAD

- 3 programmable remote control buttons
- User-friendly multilingual menu allows a large variety of setups for individual procedures and surgeons preferences

300-001-610
Footswitch for HD Cameras,
cable length: 2m

FULL HD RECORDING



Full HD recording function

Recording and image controls

- Full HD 60fps video recording
- Full HD image saving
- USB pen drive included
- Boost function
- On-screen-menu
- 3 user settings storable
- 2.5x digital zoom
- Freeze function
- Text generator (optional with keyboard)

FULL HD

300-001-800 HD Camera F3 - High End

Features:
- 3-Chip Full HD camera with latest MOS technology for brilliant picture quality
- User-friendly multilingual menu allows a large variety of setups for individual procedures and surgeons preferences
- Ergonomic camera head with 3 programmable remote control buttons by the user as required during surgery
- Multitude of digital video outputs for best possible picture transmission to the medical grade monitors
- Full HD • HDMI output
- White balance, boost function • On-screen-menu
- 3 user settings storable • 2.5x digital zoom
- Freeze function • Character generator

PURE NATURAL COLORS

Delivery contains:
- Main Unit • Camera head • YPbPr/RGB cable
- BNC cable • HDMI - DVI cable • HDMI cable
- S-Video cable • Jack Cable • Mains cable
- User manual

300-001-802
High-End camera
head included

300-001-802
High-End 3-Chip Camera Head
Full HD 1920 x 1080 p

300-001-615
Title generator keyboard, waterproof IP68
US-Layout, PS/2 Connector, cable 1.8m
Color: grey, 305x140x15mm, 600gr.

300-001-610
Footswitch for HD Cameras,
cable length: 2m

User-friendly, splash-proofed display

Skid-proof pedestals

Technical Data

Camera head
- Aspect ratio: 16:9
- Image sensor: 3 - Chip
- Immersible (using the attached cap)

System
- Image resolution: Full HD 1920 x 1080
- TV resolution: > 1000 lines
- Sensivity: < 3 lux (1/1.4)
- White balance automatically, with data hold
  shutter speed: 1/50 (1/60) to 1/100.000 sec
- Power supply: 100 / 240 V, 50-60 Hz
- Power consumption: 20W
- Fuses: 2 Fine fuses, 5x20 mm, delay acting 3,15 AT (I=1500A)

Video out terminal
- 2 x HD SDI
- 1 x HDMI / DVI
- 1 x YPbPr (Component)
- 1 x Y/C (Pal / NTSC)
- 1 x CVBS (Pal / NTSC)

Standard
- Protection class: I
- Application part: Type BF
- IEC 601-1, EN 60601-1; classification acc. 93/42/EEC: I

Dimensions
- Control unit: 380 x 120 x 360 mm (WxHxD) 11 kg

300-001-601 HD Camera F2 PRO

FULL HD

Features:
- 1-Chip Full HD camera of the latest generation, with superior image quality in high definition
- Natural color reproduction
- High-end image quality is provided by fully digital, high-speed image processing, separated for red, green and blue channels
- Significantly higher image quality and virtually all movements are eliminated
- Full HD 60fps video recording
- Full HD image storage
- USB pen drive included
- Full HD • HDMI out • White balance, boost function
- On-screen-menu • 3 user settings storable • 2.5x digital zoom
- Freeze function • Character generator

Delivery contains:
- Main Unit • Camera head
- USB pen drive • HDMI - DVI cable
- HDMI cable • S-Video cable
- RGB-Cable • BNC cable
- Mains cable • Operating manual

Optional available:

300-001-615 Title generator keyboard
300-001-610 Footswitch for HD Cameras

Technical Data

Line Voltage	100-240 VAC
Sensor	1/3" MOS
TV resolution	1920x1080 pixels (Full HD)
Recording	Full HD / Mpeg 4, 60fps jpg (1920 x 1080)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	<3lx (1/1.4)
Video Outputs	2 x HD SDI (optional) 1 x HDMI / DVI 1 x Y-Pb-Pr (Component) 1 x Video (PAL/NTSC) 1x S-Video (PAL/NTSC)

Standards	Protection Class: I Application Part: Type BF IEC 601-1, EN 60601-1C Classification Acc. 93/42/EEC: I
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 145g

300-001-600 HD Camera F1

FULL HD

Features:
- 1-Chip Full HD camera of the latest generation, with superior image quality in high definition
- Natural color reproduction
- High-end image quality is provided by fully digital, high-speed image processing, separated for red, green and blue channels
- Significantly higher image quality and virtually all movements are eliminated
- Full HD • HDMI out • White balance, boost function
- On-screen-menu • 3 user settings storable • 2.5x digital zoom
- Freeze function • Character generator

Delivery contains:
- CCU • Camera head with 3m cable
- Mains cable • YPbPr/RGB cable
- BNC cable • HDMI - DVI cable
- HDMI cable • RGB cable
- User manual

Optional available:

300-001-615 Title generator keyboard
300-001-610 Footswitch for HD Cameras

Technical Data

Line Voltage	100-240 VAC
Sensor	1/3" MOS
TV resolution	1920x1080 pixels (Full HD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	<3lx (1/1.4)
Video Outputs	1 x HDMI 1 x YPbPr / RGB 1 x S-Video (Y/C; Pal / NTSC) 1 x Video (CVBS; Pal / NTSC)

Manufactured and tested according to	IEC 601-1, EN 60601-1, MDD 93/42/EEC
CE marking according to	MDD 93/42/EEC
Protection Class	I
Application part	BF
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g

USB port for use with flash drives to record data

300-001-410 Camera Z2

The new Z2 Endoscopic Camera is a universal system suitable for both diagnostics and surgery.
The 1CCD technology generates clear pictures with a high resolution and natural colors. A digital Anti Moiré filter automatically eliminates disturbing distortions when using flexible endoscopes. Pictures and Movies can be stored easily on a USB stick. The collected informations can be used for an extensive documentation of the procedure. The leightweigt camera head ensures a fatigue-free working. All features of the camera can be directly controlled and set up on a menu which is shown on the monitor. The 3 remote control buttons on the camera head can be programmed by the user as required during surgery.

Features:
- State-of-the-art CCD-Camera, true colour reproduction
- All features of the camera can be directly controlled and set up on a menu
- To be prepared to work under extreme illumination conditions, the control unit offers further features to improve the image quality (WINDOW- and PEAK-function)
- Lightweight camera head ensures fatigue-free working

Delivery contains:
• CCU • Camera head • USB cable • Composite cable
• YPbPr/RGB cable • BNC cable • Jack cable
• 4GB USB Stick • Mains cable • User manual

Technical Data

Line Voltage	100-240 VAC, 50-60 Hz
Resolution	active pixels: - 752 H x 582 V - 768 H x 494 V
TV resolution	470 lines
Sensitivity	1 lux (1/1.4)
Aspect ratio	4:3
Image Sensor	1/3" CCD
Video Outputs	• 2 x CVBS (1Vpp/75Ω), BNC • 2 x Hosiden (Y/C) • 1 x YPbPr • 1 x SDI • 1 x USB

Protection Class	I
Application part	BF
Manufactured and tested according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g

300-001-400 Camera Z1

The new Z1 Endoscopic Camera is a universal system suitable for both diagnostics and surgery.
The 1CCD technology generates clear pictures with a high resolution and natural colors. A digital Anti Moiré filter automatically eliminates disturbing distortions when using flexible endoscopes. All features of the camera can be directly controlled and set up on a menu which is shown on the monitor.

Features:
- State-of-the-art Color - CCD-Camera
- True color reproduction
- To be prepared to work under extreme illumination conditions, the control unit of the camera offers further features to improve the image quality (WINDOW- and PEAK-function)
- Lightweight camera head ensures a fatigue-free working

Delivery contains:
• CCU • Camera head • USB cable • Composite cable
• YPbPr/RGB cable • BNC cable • Jack cable
• Mains cable • User manual

Technical Data

Line Voltage	100-240 VAC, 50-60 Hz
Resolution	active pixels: - 752 H x 582 V - 768 H x 494 V
TV resolution	470 lines
Sensitivity	1 lux (1/1.4)
Aspect ratio	4:3
Image Sensor	1/3" CCD
Video Outputs	• 2 x CVBS (1Vpp/75Ω), BNC • 2 x Hosiden (Y/C) • 1 x YPbPr • 1 x SDI

Protection Class	I
Application part	BF
Manufactured and tested according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g

FULL COMPLEMENT OF HEAD CONFIGURATIONS

300-001-813 f=14mm
300-001-814 f=25mm
300-001-815 f=28mm
c-mount, soakable, Full HD

250-015-036
Zoom-TV-Adapter
f=15 - 36mm
c-mount, soakable
Full HD

FULL HD

250-020-025 F=25mm (splitting 90/10)
250-020-030 F=30mm (splitting 90/10)
Beamsplitter, allows simultaneous video and direct views, c-mount, soakable, Full HD

250-022-025 F=25mm
250-022-030 F=30mm
Angled 90°, with swivel and fixation, c-mount, soakable, Full HD

DAViD instinctive diagnostic & record central data software

Software system for the collecting and archiving of video findings in the medical field based on state-of-the-art PC technology Windows VISTA / XP, DirectX, DV digital Video – device independent

Multilingual
English, French, German, Italian, Russian, Spanish

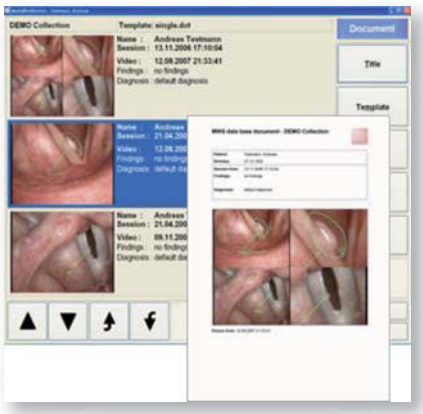
Intuitive
dialog-oriented user interface for smooth integration into everyday practice

Ready for network
one point data storage and simultaneously video recordings

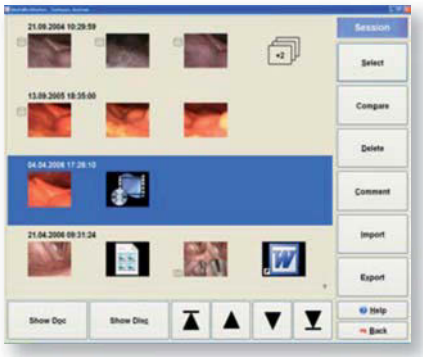
Integrated license module
after a demo period of 30 days the software needs to be activated via an activation key

300-001-190	Software, full Version
300-001-192	Software, without recording possibilities

Diagnostics & Results
- high video and freeze image quality / natural reproduction of motion sequences
- Multiple-split display during recording and playing
- automatic optimization of stroboscopic recordings
- recording controllable by foot or camera switch
- simple-to-use video cut function
- integrated database of findings and diagnoses allows quick workflow
- **integrated On-Screen-Keyboard for touch screen displays**



Recordings & Documentation
- graphics marks for emphasizing of findings
- MPEG2 video export with optional overlay of patient data and session comments
- integrated CD/DVD recording
- image export in the DICOM format
- Compare-function for videos and pictures
- automatic creation of diagnostic letters in MS Word format with freely definable document templates
- textual export of patient and diagnostic data for passing on and statistical evaluations



Management
- patient data is stored in structured database
- automatic assignment of videos, findings, diagnoses and comments to patients and data sets
- search and edit functions
- drag'n'drop import of pictures and documents
- native support for MediCapture USB sticks
- data exchange with other systems via remote interface
- user management for controlling access and edit rights

LED

300-900-300 LUMEN LED 3

PHASER® TECHNOLOGY

Latest PHASER® Technology for unsurpassed medical lighting. Excellent light sources are characterized by high color rendering, high luminance and a very low ultraviolet and infrared radiation. With the LUMEN LED 3 light source RZ Medizintechnik offers the latest technology in medical lighting, Made in Germany. Whether the light source is used with modern head lights or in endoscopic surgeries, the new PHASER® technology always generates enough light for meaningful pictures.

Features:
- More then 10.000h lamp lifetime
- Latest PHASER® – Technology
- Waterproof touch control panel
- High color rendering
- High luminance
- Daylight color temperature
- Low noise level
- No UV or IR light
- Low power consumption

Delivery contains:
- Main Unit • BNC cable • Mains cable
- User manual

Automatic light control

Controlable daylight quality

Technical Data

Mains voltage	100-240 VAC, 50-60 Hz
Power consumption	300W
Mains fuses	2 Fine fuses, 5x20mm, delay acting 6,3 AT, with high breaking capacity (Ia = 1500 A)
LED Lifetime	> 10.000h
Color temperature	6000 – 6500° K
Connections	Light guide STORZ
Video-IN terminal	1 x VHS (BNC)
Service	1 x RJ45
Storage temperature	- 20°C to +60°C
Operation temperature	+10°C to +40°C

Relative humidity	
Storage:	10% to 90%
Operation:	30% to 75%
Atmospheric pressure	
Storage:	600 mbar to 1300 mbar
Operation:	700 mbar to 1060 mbar
Classification / Conformity	1 / BF
Test according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	380 x 125 x 360 mm (WxHxD)
Weight	approx. 12.5 kg

LED

300-900-180 LUMEN LED 1, 180W

Benefit of the newest LED technology - this Light Source offers increased luminous efficiency by lowest heat conduction and operating costs. The daylight quality LED Lamp lifetime is more than 20.000 hours to provide enhanced working.

Delivery contains:
- Light source • Mains cable
- BNC cable • User manual

Features:
- More than 20.000h lamp lifetime
- Manual or automatic light control
- Waterproof touch control panel
- Low heat conduction by improved LED technology
- Daylight color temperature 6000 – 6500° K for accurate color representation
- Boost function: temporarily increase of light power of 20% additionally to the 100% light output

Automatic or manual light intensity control

Digital light intensity display

Technical Data

Lamp	100W LED (approx. 1300 lm) Daylight quality, 6000-6500 K Lifetime: more than 20.000 hr
Light guide connection	RZ/Storz adapter
System	Power supply: 100/240 VAC, 50-60 Hz Fuses: 2 Fine fuses, 5x20mm, delay 6,3 AT (I=1500A) Power consumption: 100W
Video In (opt.)	1x Video, 1x S-Video (Y/C) (automatic Version only)
Standard	Protection class: I Application part: Type BF IEC 601-1, EN 60601-1; classification acc. 93/42/EEC: I
Dimensions	380 x 120 x 360 mm (WxHxD); 11 kg

High Temperature LED/Xenon Light Cables

Features:
- Melt protection
- XENON/LED suitable
- Bending protection

FIBER OPTIC CABLE

ENDOSCOPES	∅ 2.5mm	∅ 3.5mm	∅ 4.8mm
∅ 2.9mm	✓	✓	X
∅ 4mm	X	✓	X
∅ 5mm	X	X	✓
∅ 10mm	X	X	✓

COMPATIBILITY NOTE:
A fiber optic cable with a bigger opening does not increase the light output of an instrument with a small opening.

For example: a ∅ 4.8mm fiber optic cable adapted to a ∅ 2.9mm or ∅ 4mm endoscope may lead to burning at the light entry of the endoscope and even endanger the patient.

Adapter pieces for fibre light guide to use with **light source**

XENON light guide, without adapter pieces

250-025-230	Ø 2.5 mm, 2300 mm
250-025-300	Ø 2.5 mm, 3000 mm
250-035-180	Ø 3.5 mm, 1800 mm
250-035-230	Ø 3.5 mm, 2300 mm
250-035-300	Ø 3.5 mm, 3000 mm
250-048-180	Ø 4.8 mm, 1800 mm
250-048-230	Ø 4.8 mm, 2300 mm
250-048-300	Ø 4.8 mm, 3000 mm

250-039-000 RZ/Storz

250-037-000 Wolf

250-038-000 ACMI/British Standard CUDA

250-044-000 Olympus

250-048-000 Luxtec

250-045-000 Olympus - Standard

250-051-000 Stryker

250-052-000 Heine

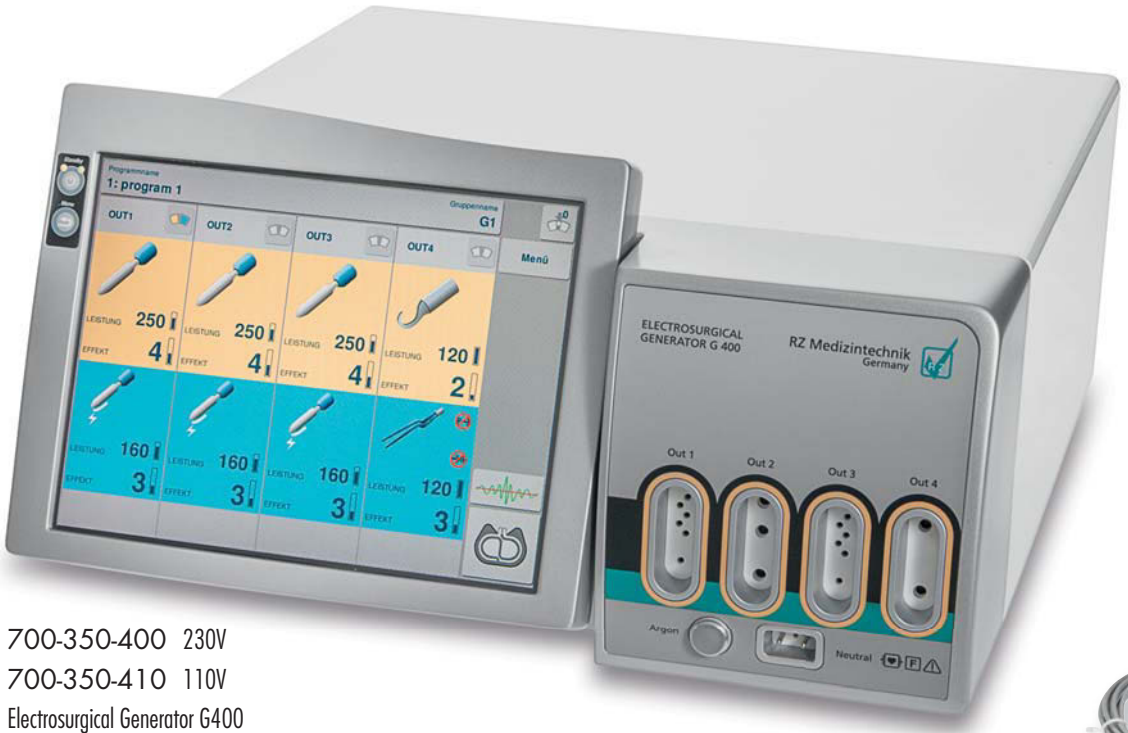
250-059-000 Pentax

250-042-000 RZ/Storz/Olympus

250-040-000 Wolf

250-041-000 ACMI/British Standard

Adapter pieces for fibre light guide to use with **endoscope**



700-350-400 230V
700-350-410 110V
Electrosurgical Generator G400
for bipolar TUR-B/P and monopolar TUR-P

- Detects and identifies connected instrument automatically
- Powerstart System simplifies the beginning of cutting process
- Automatic power regulation
- 105 different memory locations in 7 groups
- Various output configuration of the sockets available
- Footswitch (optional)
- Available with Argon and / or the RZeal

700-350-405
2-Button-Footswitch, length: 5m

700-350-402
3-Button-Footswitch, length: 5m, quick access key

Technical Data

SAFETY FEATURES

Class / Grade	I / CF
Low-frequency leakage currents	acc. to IEC 60601-1
High-frequency leakage currents	acc. to IEC 60601-2-2
Generator operation frequency	333 kHz
Defibrillation impulse resistance	acc. to to EN 60601-1
NEM System	neutral electrode control optical indication 7 levels required restistance < 240 Ω

ARGON*

Gas Type	pure argon 4.8 (99,998%) or higher
Inlet gas pressure	0.25-0.4 [MPa]
Gas Outflow	0.1-10 l/min, regulated 0.1 l/min in whole range
Pressure Range	reducer (0.4 MPa) on argon cylinder

theRZeal **

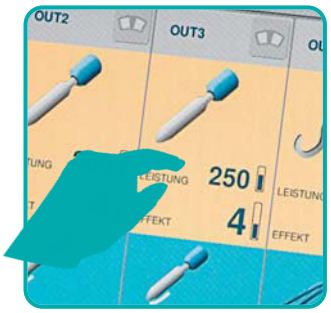
Vessel sealing system	9 effects/300W
AutoStop	automatic stop of sealing process after achieving the optimal effect

WEIGHT AND DIMENSIONS

Weight	12.2kg
Dimensions	495 x 415 x 225mm (LxWxH)

POWER SUPPLY

Supply voltage	230 V +/- 10% 50 Hz or 110 V +/- 10% 60 Hz
Rated power input	500W



10" Touchscreen

Easy readable interface design

Tiltable display

Instrument detecting sockets

Cutting and Coagulation features

MONOPOLAR CUTTING

Mono Cut	9 effects/350W
Precise Cut	9 effects/50W
Mixed Cut	9 effects/150W
Polipo Cut**	9 levels
Papillo Cut**	9 levels
Arthro Cut**	9 levels
Uro Cut**	9 levels
Hystero Cut**	9 levels
Argon Cut**	9 effects/350W

MONOPOLAR COAGULATION

Soft Coag	9 effects/200W
Forced Coag	9 effects/200W
Spray Coag	80W
Hybrid Coag	9 effects/200W
Standard Argon*	80W
Endo Argon*	40W
Pulse Argon*	40W
Uro Coag**	9 levels
Arthro Coag**	9 levels
Hystero Coag**	9 levels

BIPOLAR CUTTING

Bi-Cut**	9 effects/120W
Uro Bi-Cut**	9 levels
Arthro Bi-Cut**	9 levels

BIPOLAR COAGULATION

Soft Bi-Coag	9 effects/120W AutoStart/AutoStop
Forced Bi-Coag	9 effects/120W AutoStop
Uro Bi-Coag**	9 levels
Arthro Bi-Coag**	9 levels
Sciss Bi-Coag**	9 levels

Modifications of technical specification or design are subject to change without prior notice.

* available only for Argon version
** special mode available only for dedicated SDS cable/instrument connected

700-340-400 230V
700-340-410 110V
Electrosurgical Generator G44

- Intelligent Instument detection system
- Intuitive Touchscreen
- Automatic power regulation
- Configurable working modes
- Real-time parameter control
- Special endoscopic modes
- Bipolar resection
- Easy software update

700-350-405
2-Button-Footswitch, length: 5m

700-350-402
3-Button-Footswitch, length: 5m, quick access key

Display	TFT 7" WVGA
SpectrumResult system	automatic power regulation
Length / Width / Height	385mm / 305mm / 141mm
Weight	7kg
Power Supply Voltage	220-240 V ± 10% 50/60 Hz or 110-120 V ± 10% 50/60 Hz
Rated power input	1100 VA

Safety features

Protection against electric shock	I / CF
Low-frequency leakage currents	according to IEC 60601-1
High-frequency leakage currents	according to IEC 60601-2-2
Generator operation frequency	333 kHz
Defibrilation impulse resistance	according to IEC 60601-1
NEM System	neutral electrode control, optical indication, required resistance < 240 Ω

Monopolar Coagulation max. 200W (200 Ω)

Soft Coag	9 effects
Forced Coag	9 effects
Spray Coag	80 effects / 80W
Hybrid Coag	9 effects
Uro Coag	9 effects
Hystero Coag	9 effects

Monopolar Cutting max. 400W (100 Ω)

Mono-Cut	
Precise Cut	
Mixed Cut	9 effects
Uro Cut	
Hystero Cut	

Bipolar Coagulation max. 400W (25 Ω)

Soft Bi-Coag	9 effects AutoStart / AutoStop
Forced Bi-Coag	9 effects AutoStop
Uro Bi-Coag	9 effects
Sciss Bi-Coag	9 effects

Bipolar Cutting max. 330W (150 Ω)

Bi-Cut	9 effects
Uro Bi-Cut	9 effects

700-503-003
Cable for Disposable Neutral Electrode
5m, only RZ compatible

700-503-000 Adults
700-503-001 Children
Disposable Neutral Electrode
hydrogel, split, for adults or children
10x5 pcs. per package

700-504-000
Reusable Neutral Electrode
30x17cm, 4m, with band for application
only RZ compatible

The **iLumen Endovue** delivers the image performance of a high-end surgical display at a fraction of the cost. Targeted for cost-sensitive emerging markets this monitor is a great value. It features an LED backlight and supports both digital and analog high-definition video inputs. The iLumen Endovue is an affordable alternative to a full-featured surgical display.

It accommodates high-definition signals from a variety of medical imaging sources, including endoscopes, ultrasound, PACS, and vital signs. It also features a fanless cooling design to minimize the risk of spreading airborne contaminants within the sterile field.

Model / Type	300-001-138	300-001-148	300-001-158	300-001-168
Screen Size / Image Size	19" / 14.8 x 11.9"	21.5" / 18.8 x 10.6"	24" / 24.4 x 12.8"	32" / 27.5 x 15.5"
Resolution	1280x1024 (SXGA)	1920x1080 (FULL HD)	1920x1200 (WUXGA)	1920x1080 (FULL HD)
Signal Input	DVI-D, RGBS/VGA, YPbPr (HD-15 or DVI-I via adapter), S-Video, Composite			
Viewing angle	178°			

The **RZ HD iLumen RADIANCE** surgical flat panel display is the worldwide LCD monitor of choice for surgeons and operating terms. Its superior HDTV capabilities including HD – SDI and YPbPr – and sophisticated signal processing produce sharp, accurate, true and very bright images. The RZ iLumen is the only medical-grade flat panel for simultaneous use as a Radiology, Fluoroscopy, Physiology, and/or minimally Invasive Surgery display.

Full HD and Digital Capable, Full Range of Analog Surgical Inputs, DICOM Response DVI Input for PACS, Fingertip/Footswitch Instant Remote Switching between sources, High Resolution, High Bright LCD with Wide Viewing Angle, Re- Drive Capability.
Enables Image Viewing on Multiple Display, Traditional 4:3 Aspect Ratio, Surgeon- Specific User Selectable Settings.

Model / Type	300-010-219	300-010-224	300-010-226	300-010-232
Screen Size / Image Size	19" / 14.8 x 11.9"	21.5" / 18.8 x 10.6"	24" / 24.4 x 12.8"	32" / 27.5 x 15.5"
Resolution	1280x1024 (SXGA)	1920x1200 (WUXGA)	1920x1080 (FULL HD)	1920x1080 (FULL HD)
Signal Input	SDI, HD-SDI, RGBS, YPbPr, SVideo, Composite, DVI, VGA			
Viewing angle	178°			
LCD Panel	TFT Active Matrix with IPS, LED-Backlight			

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