



COMPLETE CATALOGUE

THE EXPERTS IN ENERGY-BASED SURGERY

ARC electrosurgery	p. 6
Generators & accessories	p. 8–17
ARC foot switches	p. 18–19
ARC CART	p. 20–24
LIGATION	p. 26
ERGOseal	p. 28–31
TissueSeal® PLUS COMFORT	p. 32–33
LOTUS ultrasonic surgery	p. 34
ARC LOTUS	p. 36–39
LOTUS instruments	p. 40–46
LOTUS accessories	p. 47
Sterile HF accessories	p. 48
SHE SHA smoke evacuation pencils	p. 50–51
Single-use pencils	p. 52
Accessories	p. 52
Single-use electrodes	p. 53
HF accessories	p. 54
ERGOact	p. 56–59
ERGOeco	p. 60–61
ERGOresect	p. 62–67
Laparoscopy electrodes	p. 68–69
BiZZER	p. 70–71
Forceps	p. 72–81
Cables	p. 82–89
Handles	p. 90–93
Electrodes	p. 94–98
Arthroscopy electrodes	p. 99
Adapters	p. 100–101
ARC accessory sets	p. 102–104

Neutral electrodes	p. 106
Single-use neutral electrodes	p. 108–114
Rubber neutral electrodes	p. 115
Argon plasma coagulation (APC)	p. 116
ARC PLASMA	p. 118–119
Flexible argon probes	p. 120–121
Argon electrodes & handles	p. 122–123
ARC PLUS units	p. 124
Accessories	p. 125
Smoke management	p. 126
SHE SHA	p. 128–130
ARC CART	p. 131
Morcellation	p. 132
MetraBag ^{pro}	p. 134–136
ERGO 300	p. 135–137
MORCELLATOR instruments	p. 138–139
MetraLOOP	p. 140–141

BOWA-electronic GmbH & Co. KG reserves the right to make technical changes to the products. Product images and details may differ from the products supplied.

Due to product registration status and regulatory requirements, products may have limited availability or be unavailable in some markets.

Main areas of application



GEN

General surgery



URO

Urology



HPB

Liver surgery



OB/GYN

Gynaecology



GI

Gastroenterology

Other areas of application



Cardiac surgery



Abdominal surgery



Respiratory medicine



Paediatric surgery



ENT



Bariatric surgery



Orthopaedics and trauma surgery



Neurosurgery



Ophthalmology



Plastic surgery



Dermatology



Thoracic surgery



Oral and maxillofacial surgery

Product table organisation

Designation/set • Properties

Overall REF

Set image	Individual image	Designation	Individual REF
	Individual image	Designation	Individual REF

Name • Properties

REF

Image	Information / plug type	Additional specifications	Pack sizes
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Product properties



Single-use product – single-use products are not intended to be reused.



Latex-free



Reusable product – all reusable instruments are delivered unsterile and can be sterilised at 134 °C for 20 minutes.



COMFORT system – integrated RFID technology for communication between BOWA MEDICAL electro-surgical units and Plug'n Cut COMFORT instrument detection

Functions



WIZARD user guidance



Intuitive and innovative



Adaptive display



Space-saving



Customised settings



Time-saving

Modes



Dissect



Forced Mix



Forced

ARC

Electrosurgery

Generators & accessories

ARC 400

ARC Energy System

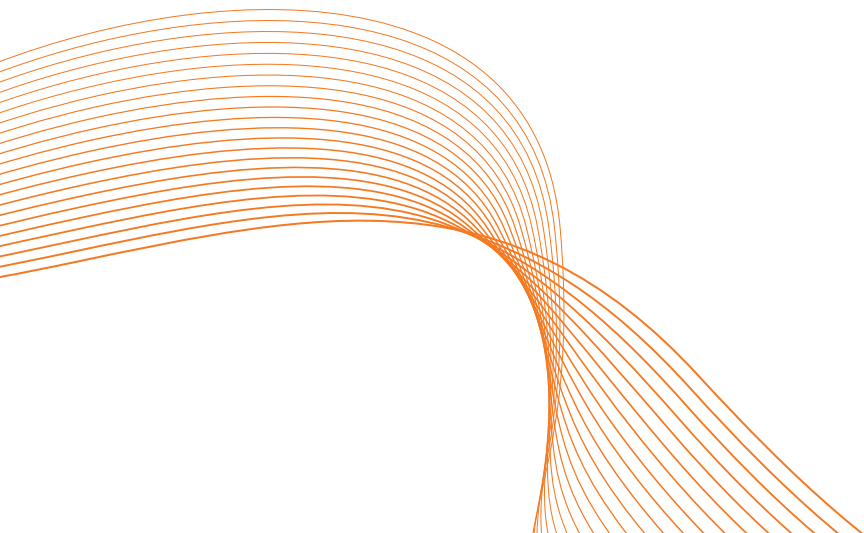
ARC 100

Foot switches

ARC CART

Equipment trolley

Accessories





**TOP-QUALITY
ELECTROSURGERY**

ARC 400 Top-quality electrosurgery



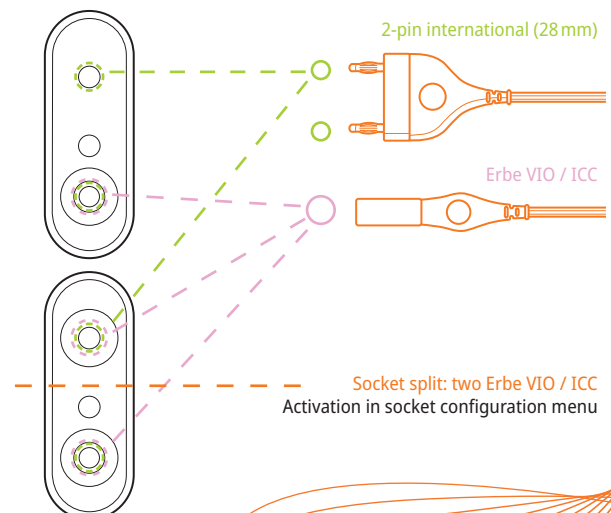
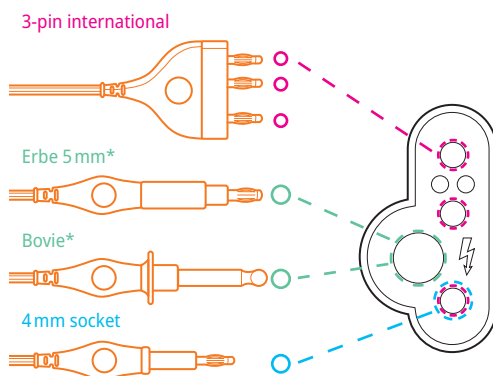
Experience top-quality HF surgery, compatible with almost all procedures and specialties. Both monopolar and bipolar SIMcoag

enable simultaneous COAG activation of two instruments, such as monopolar handles or bipolar forceps, with a consistent tissue effect.



- Configuration of up to 5 instruments
- Simultaneous, bipolar activation
- GastroCut & Argon option
- Vessel sealing with ERGOseal

- Special modes for gastroenterology
- Bipolar resection with ERGOresect
- Simultaneous mono and bipolar coagulation



* depending on the configuration

ARC 400 | Top-quality HF surgery

ARC 400 • HF generator • 430 × 180 × 475 mm • 12.5 kg

900-400



Scope of delivery:

- Unit
- Mains cable
- Document folder

Technical data:




- 400W CUT monopolar / bipolar
- 250W monopolar / 350W bipolar COAG
- Two monopolar sockets
- Two bipolar sockets (for up to three bipolar instruments)

Features:

- LIGATION (optional)
- Bipolar resection (optional)
- Bipolar SimCoag
- MICRO modes
- GastroCut / Argon incl.
- Plug'n Cut COMFORT
- EASY – neutral electrode monitoring
- ARC CONTROL
- MetraLOOP®
- Bipolar autostart
- Touchscreen

OPTIONS for ARC 400

Options

	Bipolar resection	<i>870 W peak power</i>	900-395
	LIGATION	<i>Permanent vessel sealing</i>	900-396
	Bipolar SimCoag	<i>Simultaneous activation of two bipolar instruments</i>	900-399

Network cable for operating theatre systems (OR1, Karl Storz, Tegriss, Klaromed Integrator, ALVO Integra, ZEUS)

	2.5 m	900-045
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ARC Energy System

Equipment technology for the operating theatre is constantly evolving and becoming increasingly complex. This was taken into account when designing the ARC operating concept by incorporating a simple, intuitive user interface.



ARC type V



Intuitive highlight –
WIZARD user guidance



Adaptive display with
dialogue-guided configuration



Customisable
settings

Technical data:

- Monopolar 400W
- Bipolar 200W

Features:

- ZAP function
- Plug'n Cut COMFORT
- EASY neutral electrode monitoring
- ARC CONTROL and CCS
- MetraLOOP®
- Bipolar autostart & stop
- Memory for 300 programmes
- 27 system languages

Scope of delivery:

- Unit
- Mains cable
- Document folder



Preparation modes

During surgery, high demands are placed on tissue preparation. To provide optimal support for users, the existing current modes have been optimised, and new modes such as 'Dissect' have been developed.



Preparation modes



DISSECT
Effective haemostasis

Coagulation with distinct dissection effect



FORCED MIX
Moderate haemostasis

Coagulation with balanced dissection effect



FORCED
Coagulation with tissue contact

Coagulation with reduced dissection effect

Gastro modes



Gastro Loop
Loop instruments



Gastro Knife
Knife instruments



Gastro Coag
Optimised for GI applications

ARC ENERGY SYSTEM | 430 × 140 × 470 mm • 9.7 kg

ARC • One monopolar socket • One bipolar socket

900-600 Type I



ARC • One international / Erbe monopolar socket • One Bovie / 4 mm standard monopolar socket • One bipolar socket

900-600 Type II



ARC • Two monopolar sockets • One bipolar socket

900-600 Type III



ARC • One monopolar socket • Two bipolar sockets

900-600 Type IV



ARC ENERGY SYSTEM | 430 × 140 × 470 mm • 9.7 kg

ARC • Two monopolar sockets • Two bipolar sockets

900-600 Type V

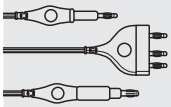
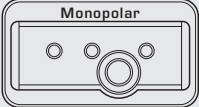
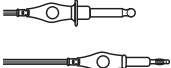
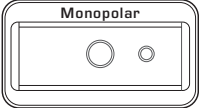
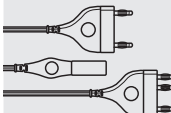
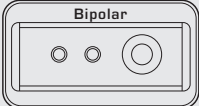


ARC • Two international / Erbe monopolar sockets • One Bovie / 4 mm standard monopolar socket • One bipolar socket

900-600 Type IX



One platform – multiple types to suit your needs

One platform – multiple types to suit your needs			Type I	Type II	Type III	Type IV	Type V	Type IX
 	<p>Monopolar 4 mm standard, 3-pin int., 9/5 mm Erbe</p>	1	1	2	1	2	2	
 	<p>Monopolar 8 mm Bovie, 4 mm standard</p>	-	1	-	-	-	1	
 	<p>Bipolar 2-pin int., 8/4 mm Erbe, BOWA 3-pin</p>	1	1	1	2	2	1	

ARC 100

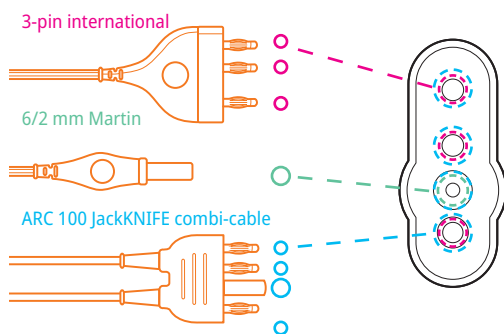
Monopolar and bipolar electrosurgery in a compact solution

The **ARC 100** impresses with its compact design and multiple functions.

- Up to 100 W output
- Five modes to choose from
- Extremely compact design



Ideal for outpatient settings:



ARC 100 | Monopolar and bipolar electrosurgery

ARC 100 • HF generator • 280 × 114 × 310 mm • 5.6 kg

900-100



Scope of delivery:

- Unit
- Mains cable
- Document folder

Technical data:

- 100W CUT monopolar
- 100W COAG
- One mono and bipolar hybrid socket

Feature:

- EASY – neutral electrode monitoring

Accessory pack

901-126



	Complete electrode container	With insert, lid and 12 standard electrodes, 2.4 mm diameter shaft	530-000
	JackKNIFE	Two buttons, 2.4 mm shaft, 3-pin plug, 4.5 m cable	220-045
	Neutral electrode	70 cm ² , split, EASY (100 pcs)	816-072
	Single-use neutral electrode cable	International (NON-REM), 4.5 m	386-050
	Bipolar forceps	Straight, 195 mm, 8 mm × 1 mm	605-040
	Bipolar forceps cable	4.5 m	287-040
	Single-pedal foot switch	4 m cable	901-012

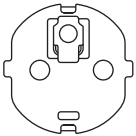
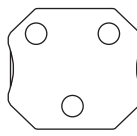
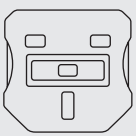
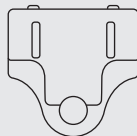
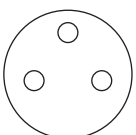
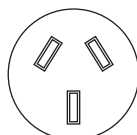
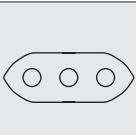
Optional accessories

	JackKNIFE	Two buttons, 2.4 mm shaft, bipolar forceps cable, 4 m	220-345
	Rubber neutral electrode	150 × 80 mm, international	232-003
	Cable	International rubber neutral electrode, 4.5 m	385-050
	Elasticated strap	With fastener, 750 mm, latex-free	194-075

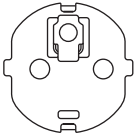
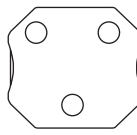
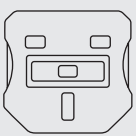
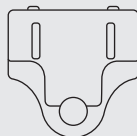
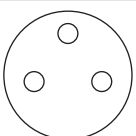
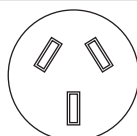
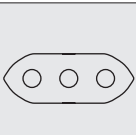
MAINS CABLE

When ordering generators, you must specify which cable you require.

For BOWA generators (900-400, 900-351, 900-303, 900-250 & 900-100)

	Type F	5 m	900-911		Type M	5 m	900-915
	Type G	5 m	900-912		Type B	5 m	900-916
	Type K	5 m	900-913		Type I	5 m	900-917
	Type L	5 m	900-914				

For ARC Energy System (900-600, 900-610 & 900-620)

	Type F	5 m	900-931		Type M	5 m	900-935
	Type G	5 m	900-932		Type B	5 m	900-936
	Type K	5 m	900-933		Type I	5 m	900-937
	Type L	5 m	900-934				

ACCESSORIES

Equipotential bonding cable



5 m	1 pc.	900-031
1.5 m	1 pc.	900-035
0.5 m	1 pc.	900-030

USB stick



For ARC/ARC 400/ARC 350	1 pc.	900-402
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BOWA
ACADEMY

E-learning course:
HF 'driving licence' including certificate



Register free of charge today!

Benefit from consolidated
clinical application knowledge.

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FUNDAMENTALS OF THE
application of
electrosurgery

ARC FOOT SWITCHES for ZAP mode

BOWA ARC foot switch range

The **BOWA foot switch range** offers various models for the reliable activation of ARC unit systems. Models with an additional selector switch enable the unit function to be selected from within the sterile field, improving efficiency.

- Non-slip base for secure positioning
- Orange button for changing the unit function
- 4 m cable

Twin-pedal foot switch with button and bracket • 367 × 262 × 64 mm

901-032



ARC Energy System 900-600	ARC 400 / ARC 350 900-400 / 900-351	ARC 250 / ARC 303 900-250 / 900-303	ARC 100 900-100
✓	✓	✓	

Twin-pedal foot switch with button • 346 × 186 × 64 mm

901-031



ARC Energy System 900-600	ARC 400 / ARC 350 900-400 / 900-351	ARC 250 / ARC 303 900-250 / 900-303	ARC 100 900-100
✓	✓	✓	

Single-pedal foot switch with button • 187 × 177 × 43 mm

901-011



ARC Energy System 900-600	ARC 400 / ARC 350 900-400 / 900-351	ARC 250 / ARC 303 900-250 / 900-303	ARC 100 900-100
✓	✓	✓	

ARC FOOT SWITCHES with no button

Round single-pedal foot switch • With 4 m cable • 214 × 105 × 42 mm

901-013



ARC Energy System 900-600	ARC 400 / ARC 350 900-400 / 900-351	ARC 250 / ARC 303 900-250 / 900-303	ARC 100 900-100
✓	✓	✓	

Twin-pedal foot switch without raised sides • 214 × 105 × 42 mm

901-021



ARC Energy System 900-600	ARC 400 / ARC 350 900-400 / 900-351	ARC 250 / ARC 303 900-250 / 900-303	ARC 100 900-100
✓		✓	

Twin-pedal foot switch with raised sides • 292 × 159 × 40 mm

901-022



ARC Energy System 900-600	ARC 400 / ARC 350 900-400 / 900-351	ARC 250 / ARC 303 900-250 / 900-303	ARC 100 900-100
✓		✓	

Single-pedal foot switch for ARC 100 • 140 × 140 × 40 mm

901-012



ARC Energy System 900-600	ARC 400 / ARC 350 900-400 / 900-351	ARC 250 / ARC 303 900-250 / 900-303	ARC 100 900-100
			✓

ARC CART EQUIPMENT TROLLEYS

The flexible solution for mobile HF workstations

The **ARC CART** is available with a range of fittings and can be tailored to all operating theatre and outpatient department needs. Thanks to its modular design and the integration of several units into a single system, you can increase mobility and efficiency.

- Compact design
- Highly adaptable thanks to four conductive 360° castors, including two with brakes
- A wide range of accessories enables you to tailor the cart to your needs

Cable shaft

Handle

Brakes

Conductive 360° castors



ARC CART equipment trolleys



ARC CART (Flatpack) • For self-assembly • 60 kg load capacity

902-022

- CART dimensions 946 × 613 × 567 mm
- Gross weight 17.7 kg

ARC CART equipment trolleys

For ARC with basket on front, pre-assembled • 60 kg load capacity

902-050



	ARC CART	902-022
	Two equipotential bonding points	902-911
	Storage basket	902-912
	Handle	902-921

For ARC and SHE SHA, pre-assembled • 60 kg load capacity

902-054



	ARC CART	902-022
	Storage basket	902-912
	SHE SHA adjustable shelf	902-920
	Handle	902-921
	Four equipotential bonding points	902-911
	Single-pedal foot-switch holder, left	902-937
	One-sided gas-cylinder holder, right	902-933

ARC CART equipment trolleys

For ARC, LOTUS (LG4) and SHE SHA, pre-assembled • 60 kg load capacity

902-055



	ARC CART	902-022
	LOTUS adjustable shelf	902-924
	SHE SHA adjustable shelf	902-920
	Handle	902-921
	Rear handle	902-923
	Four equipotential bonding points	902-911
	Single-pedal foot-switch holder, left	902-937

for ARC and LOTUS (LG4), with basket on front, pre-assembled • 60 kg load capacity

902-056



	ARC CART	902-022
	Storage basket	902-912
	LOTUS adjustable shelf	902-924
	Handle	902-921
	Rear handle	902-923
	Three equipotential bonding points	902-911
	Single-pedal foot-switch holder, left	902-937

ARC CART accessories

Drawer



1 pc.

396 × 494 × 132 mm

902-906

Accessory drawer



1 pc.

396 × 494 × 132 mm

902-909

Equipotential bonding point



1 pc.

20 × 20 × 12 mm

902-911

Storage basket



1 pc.

268 × 418 × 100 mm

902-912

Cable and foot-switch holder Standard rail



1 pc.

25 × 10 × 50 mm

902-918

Standard rail



1 pc.

330 × 25 × 4 mm

902-919

SHE SHA adjustable shelf



1 pc.

280 × 230 × 418 mm

902-920

Handle



1 pc.

440 × 179 × 20 mm

902-921

ARC fastening kit



1 pc.

185 × 117 × 19 mm

902-922

Rear handle



1 pc.

368 × 86 × 25 mm

902-923

LOTUS adjustable shelf



1 pc.

340 × 314 × 150 mm

902-924

Single-pedal foot-switch holder, left



1 pc.

223 × 230 × 33 mm

902-937

ARC CART gas-cylinder accessories

Two gas-cylinder holders



1 pc.

235 × 157 × 316 mm (2 pcs)

902-900

Two sealed gas-cylinder holders



1 pc.

159 × 165 × 447 mm (2 pcs)

902-908

One-sided gas-cylinder holder, right



1 pc.

235 × 157 × 316 mm

902-933

One-sided sealed gas-cylinder holder, right



1 pc.

159 × 165 × 447 mm

902-934

Replacement strap for gas-cylinder holder



5 pc.

650 × 25 × 3 mm

902-915


PATIENT PREPARATION CHECKLIST













- Ensure that an appropriate surgical field is used
- Correctly position the patient on the operating table
- Note the risks

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BOWA
ACADEMY



Checklist for patient preparation when using electrosurgery

	<input checked="" type="checkbox"/> The patient is dry and placed on an electrically insulated operating table pad.
	<input checked="" type="checkbox"/> The patient has no contact with electrically conductive objects (infusion stands, tubes, cables, etc.).
	<input checked="" type="checkbox"/> The patient is at a distance of more than 1.5 m from the electrosurgical device.
	<input checked="" type="checkbox"/> Dry cloths are placed in areas of potential perspiration; skin-to-skin contact in skin folds or breast folds is avoided.
	<input checked="" type="checkbox"/> If the surgery is expected to take a long time, the patient's urine must be drained through a catheter.
	<input checked="" type="checkbox"/> A suitable supporting surface for the patient is ensured to prevent pressure necrosis.
	<input checked="" type="checkbox"/> All electrically conductive parts have been removed from the patient (watches, chains, rings, piercings, bracelets, removable dentures, etc.).
	<input checked="" type="checkbox"/> The neutral electrode is correctly placed on the patient.
	<input checked="" type="checkbox"/> In the case of a patient with a pacemaker, a cardiologist was consulted before application.
	<input checked="" type="checkbox"/> The surgical site is free of explosive gases or inflammable fluids and materials.

Caution: This checklist does not replace the instructions for use. No claims against BOWA-electronic GmbH & Co. KG can be derived from the information and details provided therein. Depending on the individual circumstances, it may be necessary to deviate from the information given in this document. Please contact your BOWA MEDICAL representative for instructions on using the device.

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LIGATION

ERGOseal

TissueSeal[®] PLUS COMFORT





**OPTIMISED
SURGICAL
PERFORMANCE**

ERGOseal

Optimised surgical performance

The **ERGOseal** vessel-sealing instrument combines various functional components that are intended to help reduce the need for intraoperative instrument changes, especially in laparoscopy. Dissecting, sealing and separating

tissue is possible in a reliable and reproducible manner. In addition, the jaws are designed so that that tissue layers can be accessed easily and with greater control. The 360° shaft rotation enables rapid positioning of the jaws to the target tissue.



ARCseal

The ARCseal mode of the ARC 400 generator and the ERGOseal instrument form a seamlessly integrated sealing system.



- Precise tissue dissection
- Reproducible sealing and cutting of vessels up to 7 mm Ø
- ERGOseal reduces the need for intraoperative instrument changes and shortens operating time.



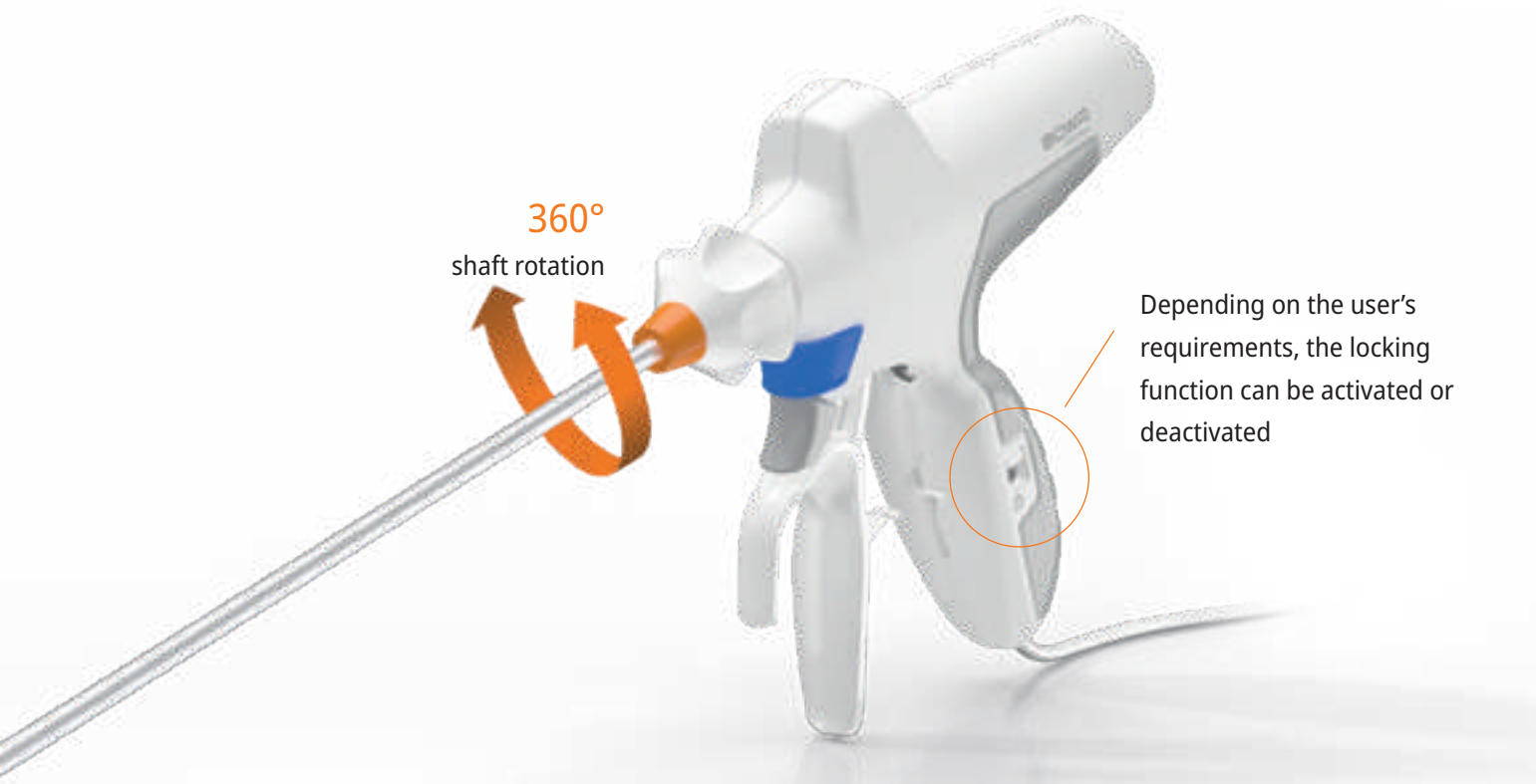
GEN



OB/GYN



URO



360°
shaft rotation

Depending on the user's requirements, the locking function can be activated or deactivated



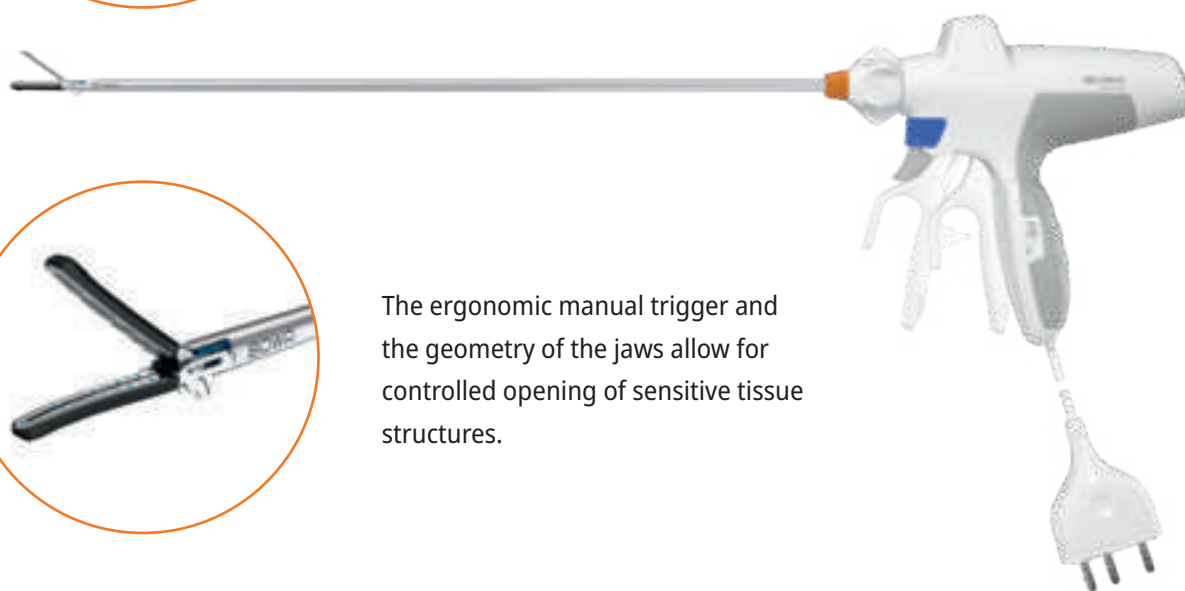
The ERGOseal design and operating concept offers a high degree of comfort and surgical freedom



The distal jaw shape is specially designed for blunt dissection or insertion into tissue layers.



The ergonomic manual trigger and the geometry of the jaws allow for controlled opening of sensitive tissue structures.



Plug 'n' play –
COMFORT instrument detection



ERGOseal



ERGOseal 230 Maryland • 3.5 m cable

778-100

COMFORT instrument detection

230 mm

5 pc.



ERGOseal 370 Maryland • 3.5 m cable

778-200

COMFORT instrument detection

370 mm

5 pc.



ERGOseal 440 Maryland • 3.5 m cable

778-300

COMFORT instrument detection

440 mm

5 pc.

TissueSeal® PLUS

The reusable sealing clamp for open surgery

The **TissueSeal PLUS** sealing instrument is available in a range of jaw sizes. These instruments enable precision, even through small openings.

- For sealing vessels up to 7 mm in diameter
- Can be fully sterilised in an autoclave and reused up to 50 times
- Precise instruments for open surgery, achieving optimal results thanks to outstanding ergonomics and handling.



GEN



OB/GYN



URO



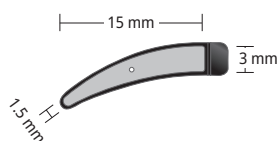
TissueSeal® PLUS



160 mm TissueSeal® PLUS • 200 Vp



760-216



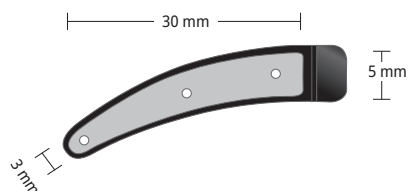
Examples of use:
thyroid surgery or tonsillectomy

with 3-pin BOWA COMFORT

190 mm TissueSeal® PLUS • 200 Vp

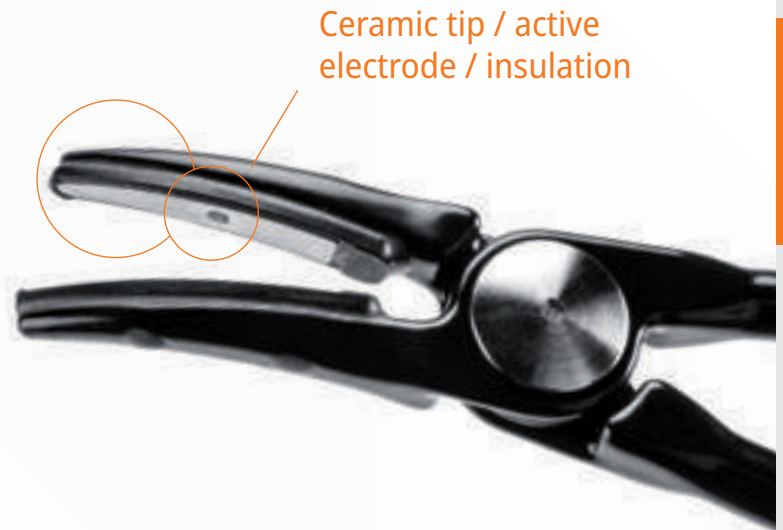


760-219



Examples of use:
bowel resection or gastrectomy

with 3-pin BOWA COMFORT

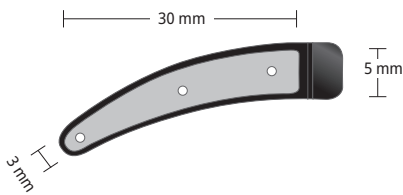


TissueSeal® PLUS



230 mm TissueSeal® PLUS • 200 Vp

760-223



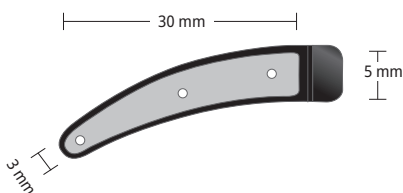
Examples of use:
abdominal or vaginal hysterectomy

with 3-pin BOWA COMFORT



280 mm TissueSeal® PLUS • 200 Vp

760-228



Examples of use:
prostatectomy or cystectomy

with 3-pin BOWA COMFORT



LOTUS

Ultrasonic surgery

ARC LOTUS

LOTUS instruments

LOTUS dissecting shears

LOTUS liver resectors

LOTUS accessories

FOR OPEN
AND LAPAROSCOPIC
PROCEDURES





ARC LOTUS

Electrosurgery and ultrasonic surgery

The ARC LOTUS is a cutting-edge electrosurgical generator, combining high-end electrosurgery with an integrated ultrasonic module. The generator is designed for ease of use and adaptability and provides the surgeon with a comprehensive range of functions for both electrosurgical and ultrasonic procedures.





INTUITIVE AND INNOVATIVE

- Improved operating theatre experience: The combination of an electro-surgical and ultrasonic generator increases flexibility and efficiency in the operating theatre.
- Saves space and reduces costs.
- Simplicity and versatility: The unit is intuitive to use and can be easily adapted to a range of operating scenarios, making it suitable for many applications.



ULTRASONIC SURGERY | ENERGY SYSTEM



ARC LOTUS | 430 × 140 × 470 mm • 9.7 kg

ARC • One monopolar socket • One bipolar socket • One LOTUS jack

900-610 Type VII



ARC • Two monopolar sockets • One bipolar socket • One LOTUS jack

900-610 Type VIII



Scope of delivery:

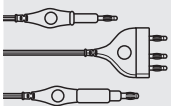
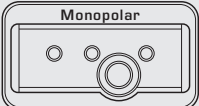
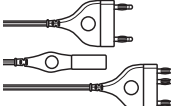
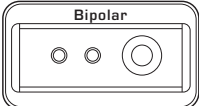
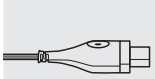

- Unit
- Mains cable
- Document folder

Technical data:

- Monopolar 400 W
- Bipolar 200 W

Features:

- Plug'n Cut COMFORT
- EASY neutral electrode monitoring
- ARC CONTROL
- MetraLOOP®
- Bipolar autostart & stop

		Type VII	Type VIII
 	<p>Monopolar 4 mm standard, 3-pin int., 9/5 mm Erbe</p>	1	2
 	<p>Bipolar 2-pin int., 8/4 mm Erbe, BOWA 3-pin</p>	1	1
 	<p>LOTUS LOTUS jack</p>	1	1

LOTUS dissecting shears

The unique torsional ultrasonic energy enables the surgeon to control the tissue effect depending on the power level and the jaw-closing force applied. This allows users to control the degree of haemostasis as well as the cutting speed.



Fine, curved **dissection jaws** enable opening and visualisation of tissue layers





GEN



OB/GYN



URO



- Controlled energy concentration at the instrument tip thanks to patented torsional ultrasonic technology
- 360° rotation for open and laparoscopic procedures
- Rapid dissection with effective haemostasis

LOTUS open-surgery dissecting shears

LOTUS dissecting shears, open surgery 200 / 360° rotation • Curved jaws • 176 mm

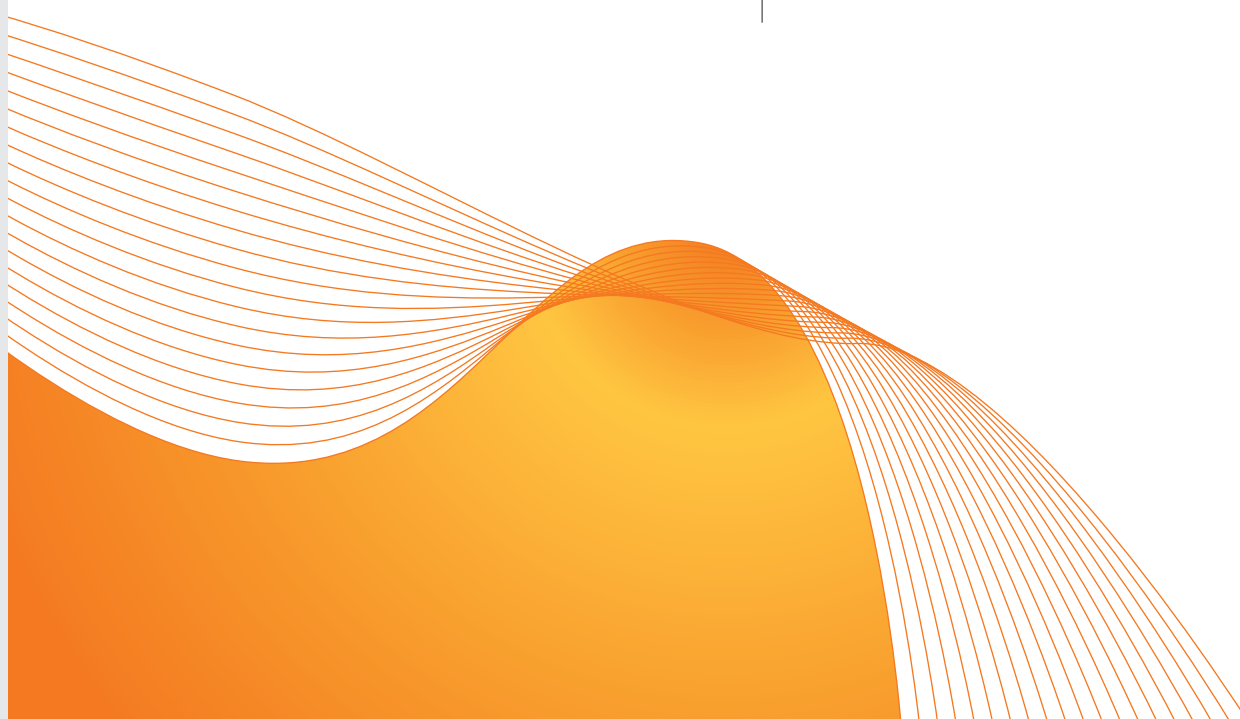
Transducer (reusable)	1 pc.	ES5-200CT	Handpiece (single-use)	10 pc.	DS5-200CD
  			 		

LOTUS dissecting shears, open surgery 200 • Curved jaws • 176 mm

Transducer (reusable)	1 pc.	ES4-200CT	Handpiece (single-use)	10 pc.	DS4-200CD
  			 		

LOTUS dissecting shears, open surgery 200 • Straight jaws • 176 mm

Transducer (reusable)	1 pc.	SV3-200	Handpiece (single-use)	10 pc.	DS4-200SD
  			 		



LOTUS laparoscopic dissecting shears

LOTUS dissecting shears, laparoscopy 400 / 360° rotation • Curved jaws • 349 mm

Transducer (reusable)	1 pc.	ES5-400CT	Handpiece (single-use)	10 pc.	DS5-400CD
					

LOTUS dissecting shears, laparoscopy 400 • Curved jaws • 349 mm

Transducer (reusable)	1 pc.	ES4-400CT	Handpiece (single-use)	10 pc.	DS4-400CD
					

LOTUS bariatric dissecting shears

LOTUS dissecting shears, bariatric surgery 500 / 360° rotation • Curved jaws • 434 mm

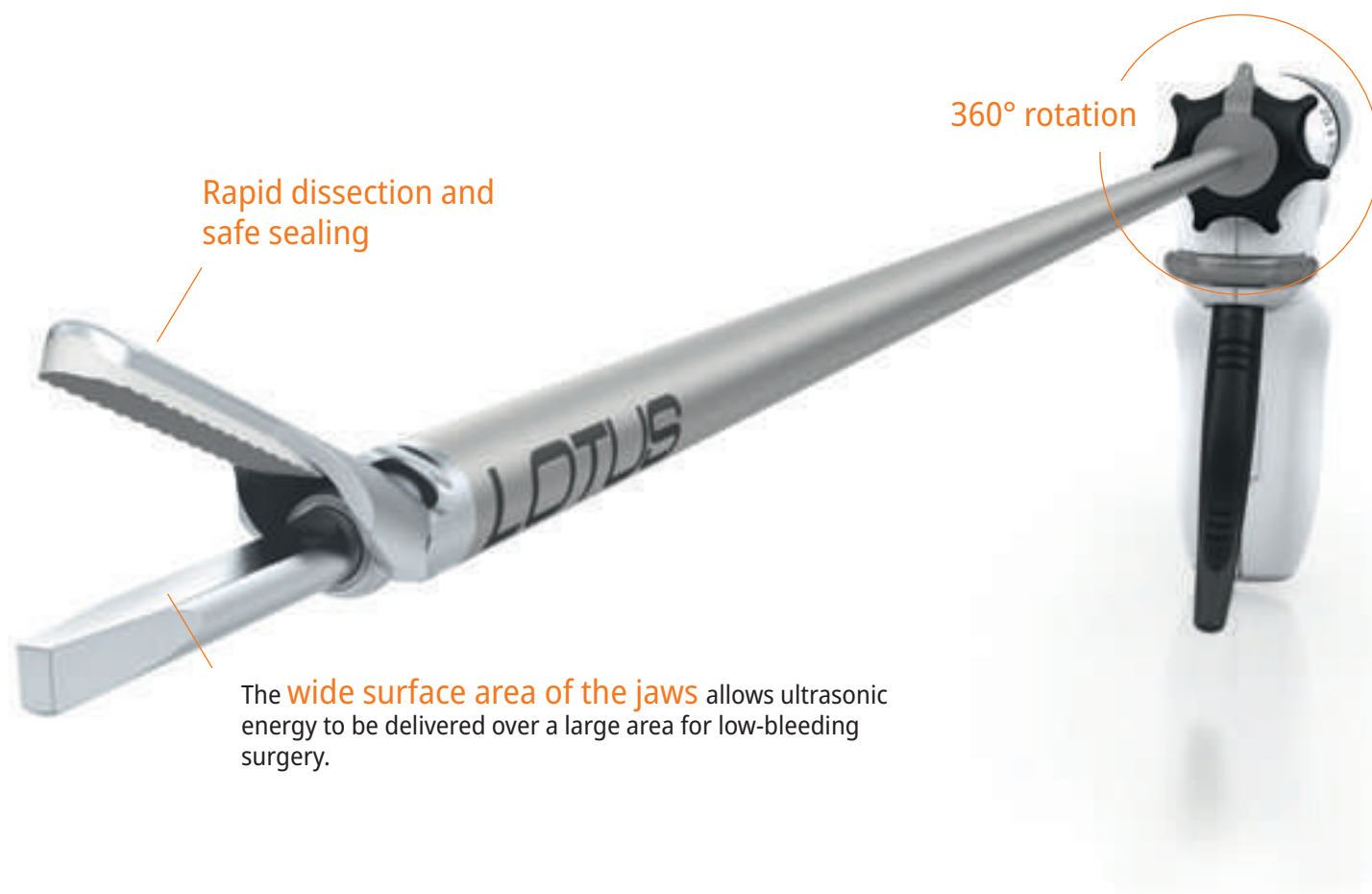
Transducer (reusable)	1 pc.	ES5-500CT	Handpiece (single-use)	10 pc.	DS5-500CD
					

LOTUS dissecting shears, bariatric surgery 500 • Curved jaws • 434 mm

Transducer (reusable)	1 pc.	ES4-500CT	Handpiece (single-use)	10 pc.	DS4-500CD
					

LOTUS liver resectors

Ultrasonic dissectors specifically optimised for the efficient coagulation and dissection of the liver parenchyma. Torsional ultrasound can be used to dissect the parenchyma to expose, skeletonise and isolate structures in the liver bed.





LOTUS liver resectors

- Unique ultrasonic tip specially designed for definitive haemostasis in the liver parenchyma
- 360° rotation for open and laparoscopic procedures
- Controlled energy concentration at the instrument tip thanks to patented torsional ultrasonic technology

LOTUS open-surgery liver resector

LOTUS liver resector, open surgery 200 / 360° rotation • Straight jaws • 176 mm

Transducer (reusable)	1 pc.	LR5-200ST	Handpiece (single-use)	10 pc.	LR5-200SD
					
					

LOTUS liver resector, open surgery 200 • Straight jaws • 176 mm

Transducer (reusable)	1 pc.	LR3-200	Handpiece (single-use)	10 pc.	LR4-200SD
					
					

LOTUS laparoscopic liver resector

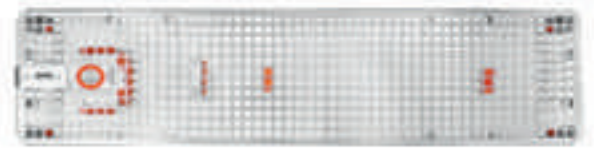
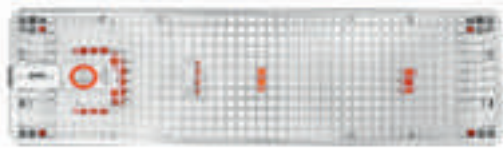
LOTUS liver resector, laparoscopy 400 / 360° rotation • Straight jaws • 349 mm

Transducer (reusable)	1 pc.	LR5-400ST	Handpiece (single-use)	10 pc.	LR5-400SD
					
					

LOTUS liver resector, laparoscopy 400 • Straight jaws • 349 mm

Transducer (reusable)	1 pc.	LR3-400	Handpiece (single-use)	10 pc.	LR4-400SD
					
					

LOTUS reprocessing baskets



Reprocessing basket • With lid

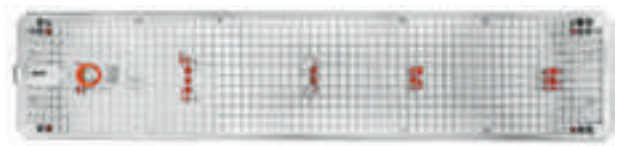
For transducers: ES4-200CT, ES4-400CT, LR3-200, LR3-400

1 pc.	550 × 150 × 77 mm	773-984
-------	-------------------	---------

Reprocessing basket • With lid

For transducers: ES4-500CT

1 pc.	640 × 150 × 77 mm	773-985
-------	-------------------	---------



Reprocessing basket • With lid

For transducers: ES5-200CT, ES5-400CT, LR5-200ST, LR5-400ST

1 pc.	650 × 150 × 68 mm	773-986
-------	-------------------	---------

Reprocessing basket • With lid

For transducers: ES5-500CT

1 pc.	730 × 150 × 68 mm	773-987
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BOWA
ACADEMY

Ultrasonic surgery
'DRIVING LICENCE'



Become an ultrasonic surgery expert!

bowa-academy.com/en

STERILE

HF accessories

SHE SHA smoke evacuation pencils

Single-use pencils

Accessories

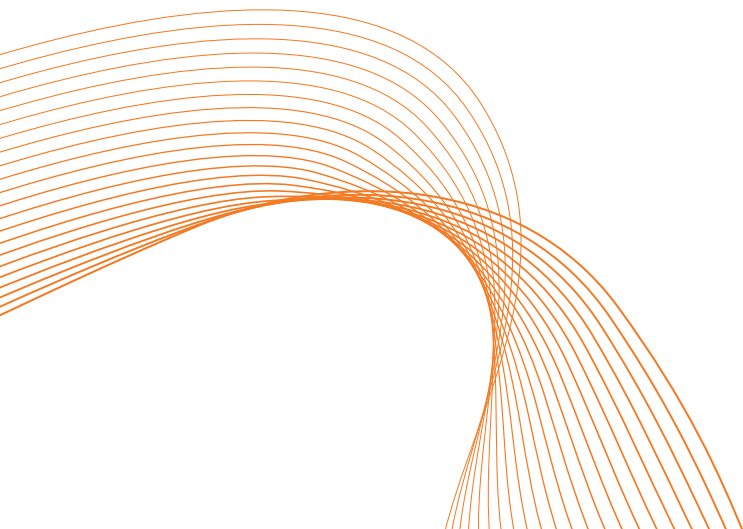
Safety holster

Tip cleaner

Single-use electrodes

NON stick

Standard





**READY-TO-USE
PRODUCT SOLUTIONS**

SHE SHA accessories

Flexibility meets reliability

The perfect partner for the SHE SHA smoke evacuation system – single-use smoke evacuation pencils in a range of designs from BOWA MEDICAL.

Rotatable by 360°
Comfortable handling

Flexible length

Can be extended by up to 75 mm and fixed for maximum stability

Pencil 802-033 with standard electrode

Slim design

2.4 mm

Needle electrode DNE5620 in a slim design, perfect for smoke evacuation

Pencil 802-034 with non-stick electrode

Pencil 802-032



GEN



OB/GYN



URO





SHE SHA SMOKE EVACUATION PENCILS



SHE SHA adjustable-length smoke evacuation pencil • 10 / 22 mm • 3 m cable • 5000 Vp

802-033



3-pin international

with knife electrode

10 pc.



SHE SHA adjustable-length smoke evacuation pencil with non-stick knife electrode • 10 / 22 mm • 3 m cable • 4600 Vp

802-034



3-pin international

with non-stick knife electrode

10 pc.



SHE SHA smoke evacuation pencil • 10 / 22 mm • 3 m cable • 5000 Vp

802-032



3-pin international

with knife electrode

20 pc.

SINGLE-USE PENCILS



Two separate buttons • 200 mm • 3 m cable • 5000 Vp

802-030

	<p>3-pin international</p>	<p>with knife electrode</p>	<p>2.4 mm</p>	<p>50 pc.</p>
--	----------------------------	-----------------------------	---------------	---------------



Rocker switch • 200 mm • 3 m cable • 5000 Vp

801-030

	<p>3-pin international</p>	<p>with knife electrode</p>	<p>2.4 mm</p>	<p>50 pc.</p>
---	----------------------------	-----------------------------	---------------	---------------



Two separate buttons • 192 mm • 5 m cable • 5000 Vp

802-035

	<p>3-pin international Cable length 5 m</p>	<p>with knife electrode</p>	<p>2.4 mm</p>	<p>50 pc.</p>
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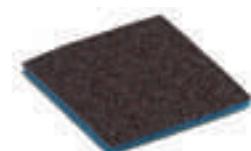
ELECTRODE ACCESSORIES



Safety holster • Sterile

800-006

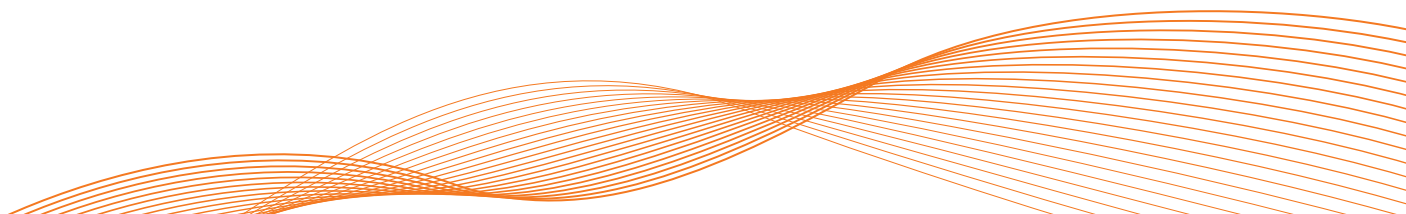
<p>131 × 43 × 30 mm</p>	<p>100 pc.</p>
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Tip cleaner • Sterile

800-000

<p>43 × 43 × 6 mm</p>	<p>100 pc.</p>
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SINGLE-USE ELECTRODES

Needle electrode • 6000 Vp • For SHE SHA smoke evacuation pencil (802-033 and 802-034)

straight		19 mm	5 pc.	69 mm	Ø 2.4 mm	DNES620
----------	---	-------	-------	-------	----------	---------

Knife electrode • 6000 Vp

straight		19 mm	5 pc.	69 mm	Ø 2.4 mm	800-007
----------	---	-------	-------	-------	----------	---------

Long knife electrode • 6000 Vp

straight		19 mm	5 pc.	152 mm	Ø 2.4 mm	800-028
----------	---	-------	-------	--------	----------	---------

Needle electrode • 6000 Vp

straight		Ø 0.5 × 19 mm	5 pc.	69 mm	Ø 2.4 mm	800-011
----------	---	---------------	-------	-------	----------	---------

Ball electrode • 6000 Vp

straight		Ø 4 mm	5 pc.	69 mm	Ø 2.4 mm	800-021
----------	---	--------	-------	-------	----------	---------

Long ball electrode • 6000 Vp

straight		Ø 5 mm	10 pc.	136 mm	Ø 2.4 mm	800-030
----------	---	--------	--------	--------	----------	---------



Non-stick SINGLE-USE ELECTRODES

Knife electrode • 6000 Vp

straight		2.5 × 15 mm	10 pc.	70 mm	Ø 2.4 mm	800-001
----------	---	-------------	--------	-------	----------	---------

Long knife electrode • 6000 Vp

straight		2.5 × 15 mm	10 pc.	152 mm	Ø 2.4 mm	800-004
----------	---	-------------	--------	--------	----------	---------

Needle electrode • 6000 Vp

straight		Ø 0.8 × 15 mm	10 pc.	71 mm	Ø 2.4 mm	800-002
----------	---	---------------	--------	-------	----------	---------

Ball electrode • 6000 Vp

straight		Ø 4 mm	5 pc.	51 mm	Ø 2.4 mm	800-003
----------	---	--------	-------	-------	----------	---------

Long ball electrode • 6000 Vp

straight		Ø 5 mm	10 pc.	134 mm	Ø 2.4 mm	800-005
----------	---	--------	--------	--------	----------	---------



HF

accessories

ERGOact

Complete instrument
Individual components
Inserts

ERGOeco

Complete instrument
Individual components

ERGOresect

Laparoscopy electrodes

BiZZER

Forceps

Non-stick

Bipolar

Monopolar

Cables

Monopolar

Endoscopy

Resectoscopes

Bipolar

Neutral electrode cable

Monopolar electrode pencil

Pencils

Electrodes

Short

Long

Accessories

Electrode sets

Arthroscopy electrodes

Adapters

ARC accessory sets

ERGOact

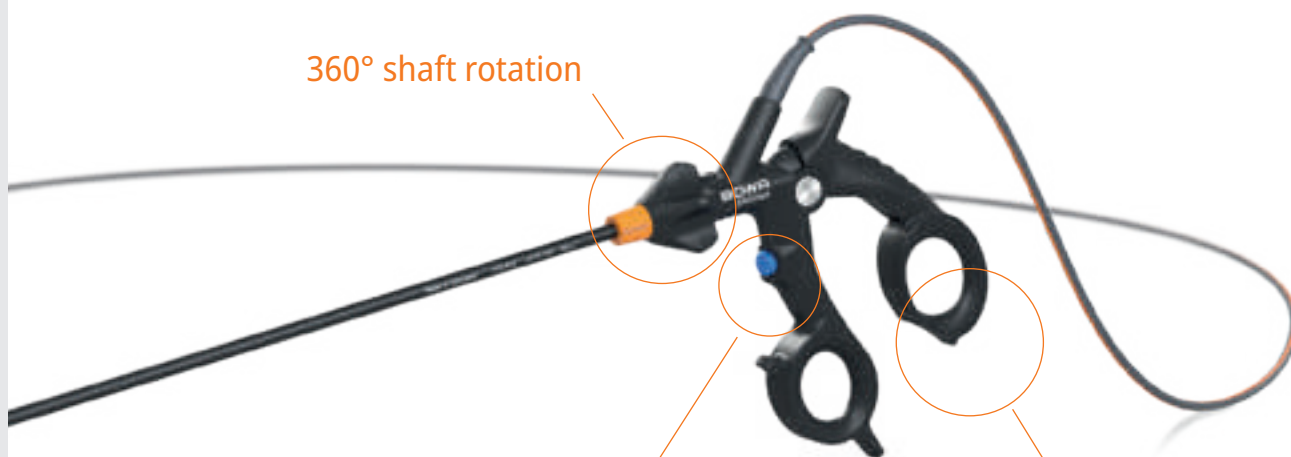
The future is in your hands

In the operating theatre, your hands are the most important and effective tool. With ERGOact, the first manually activated bipolar coagulation instrument, you can now perform surgical procedures **without** a foot switch for the first time in this instrument class.

For improved safety, control and comfort

- **Hand activation – no foot switch:** concentrate fully on the surgical work at hand
- **Four different jaw shapes** to meet your surgical requirements
- **Cost-effective:** reusable and easy to set up

360° shaft rotation



Hand activation – no foot switch
Safe, ergonomic stance for the surgeon

Ergonomic working
Comfortable for all hand sizes



GEN



OB/GYN



URO



ERGOact

Can be used in all laparoscopic operations in gynaecology, urology, and general and abdominal surgery.

Also available with a working length of 460 mm for bariatric surgery.



"We see great potential in the manual activation of the ERGOact instrument. This enables us to work without using a foot switch during laparoscopy and allows us to remain focused on the surgical procedure itself."

Prof. Dr. med. Bernhard Krämer

ERGOact

manually activated bipolar coagulation

This versatile instrument is available with four different jaw designs:



COMFORT system
Plug & operate




The instrument and components have been approved for 50 auto-clave cycles.

ERGOact complete instrument set



- Effective, improved control through manual switching
- Reusable
- 360° shaft rotation

ERGOact complete instruments • 3-pin BOWA COMFORT

	Maryland	360 mm	770-660
		460 mm	770-661
	Kelly	360 mm	770-662
		460 mm	770-663
	Fenestrated	360 mm	770-664
		460 mm	770-665
	Fenestrated Maryland	360 mm	770-666
		460 mm	770-667

ERGOact individual components



Pencil with cable • Ø 5 mm × 360 mm / 460 mm **770-600**



360 mm tubular shaft **770-610**

1 pc.	Ø 5 mm × 360 mm
-------	-----------------



460 mm tubular shaft **770-620**

1 pc.	Ø 5 mm × 460 mm
-------	-----------------

ERGOact inserts

ERGOact insert, Maryland • 250 Vp



360 mm	Ø 5 mm × 360 mm	770-611
460 mm	Ø 5 mm × 460 mm	770-621

ERGOact insert, Kelly • 250 Vp



360 mm	Ø 5 mm × 360 mm	770-612
460 mm	Ø 5 mm × 460 mm	770-622

ERGOact insert, fenestrated • 250 Vp



360 mm	Ø 5 mm × 360 mm	770-613
460 mm	Ø 5 mm × 460 mm	770-623

ERGOact insert, fenestrated Maryland • 250 Vp



360 mm	Ø 5 mm × 360 mm	770-614
460 mm	Ø 5 mm × 460 mm	770-624

ERGOeco

Sustainable and reusable

Versatile and precise, suitable for all laparoscopic operations

- **Universally compatible** with all standard HF surgical devices
- **Four different jaw shapes** to meet your surgical requirements
- **Cost-effective:** reusable and easy to set up



Maryland



Kelly



Fenestrated



Fenestrated
Maryland



GEN



OB/GYN



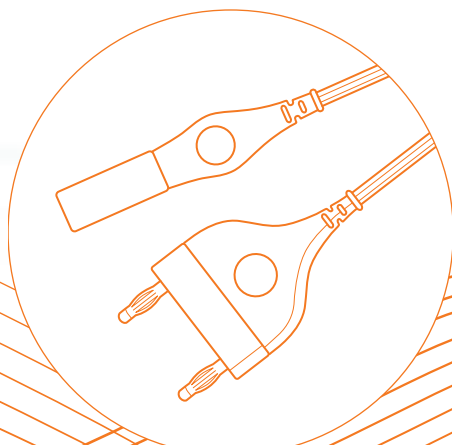
URO



Fixed cable

360° shaft rotation

Ergonomic working
Comfortable for all hand sizes.



ERGOeco complete instruments

- Reusable
- 360° shaft rotation




with Erbe



with 2-pin 28 mm

ERGOeco complete instruments

	Maryland	360 mm	770-670	770-690
		460 mm	770-671	770-691
	Kelly	360 mm	770-672	770-692
		460 mm	770-673	770-693
	Fenestrated	360 mm	770-674	770-694
		460 mm	770-675	770-695
	Fenestrated Maryland	360 mm	770-676	770-696
		460 mm	770-677	770-697

ERGOeco individual components

ERGOeco, pencil • 4.5 m cable



360 mm	770-605	770-607
460 mm		

ERGOact / ERGOeco, tubular shaft



360 mm	770-610
460 mm	770-620

ERGOact / ERGOeco, Maryland insert



360 mm	770-611
460 mm	770-621

ERGOact / ERGOeco, Kelly insert



360 mm	770-612
460 mm	770-622

ERGOact / ERGOeco, fenestrated insert



360 mm	770-613
460 mm	770-623

ERGOact / ERGOeco, Maryland fenestrated insert



360 mm	770-614
460 mm	770-624

ERGOresect

The right approach to energy management



Safety

The ERGOresect has a true bipolar power supply to minimise the electric potential at the outer shaft. This reduces the risk of heat-induced urethral injuries.



Plasma ignition

The consistent distance from the active electrode to the return electrode ensures a reproducible, precise ignition.



View

The lateral arrangement of the electrodes provides an optimal view of the target tissue. This allows resection chips to be effortlessly flushed out of the field of view.



< 100 ms

Plasma ignition

Perfectly matched

The ideal combination of ERGOresect and the ARC 400 / ARC 350 generator ensures precise and reproducible plasma ignition behaviour. This allows for quick, even and resistance-free resection and optimal coagulation.



AREAS OF APPLICATION



URO

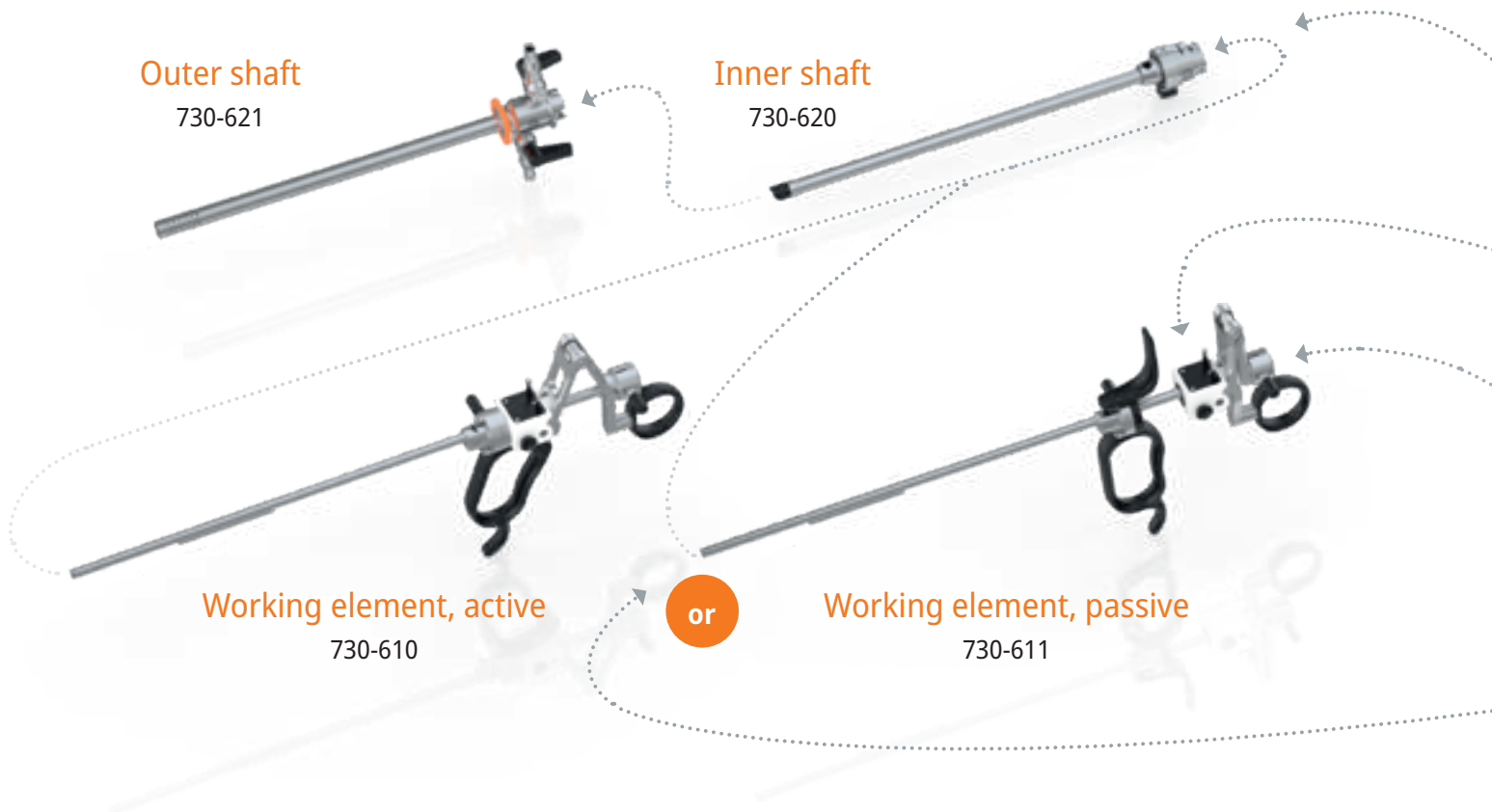
TUR-P | TUE-P | TUR-B



OB/GYN

TCR

ERGOresect sets



ERGOresect set, active

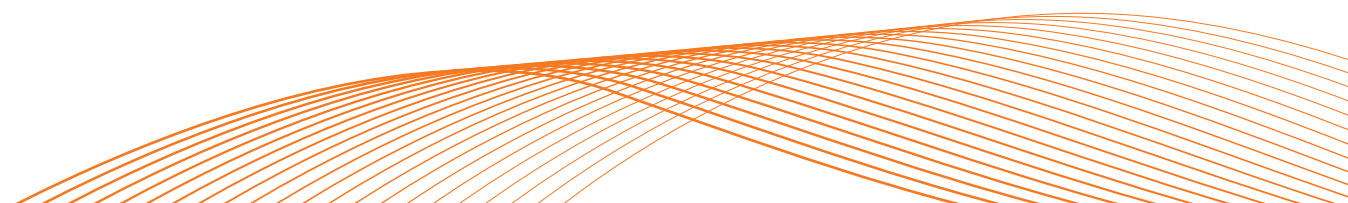
730-600

		ERGOresect, working element, active, bipolar	730-610
		ERGOresect, inner shaft 24 Fr., rotatable	730-620
		ERGOresect, outer shaft 26 Fr., inflow / outflow	730-621

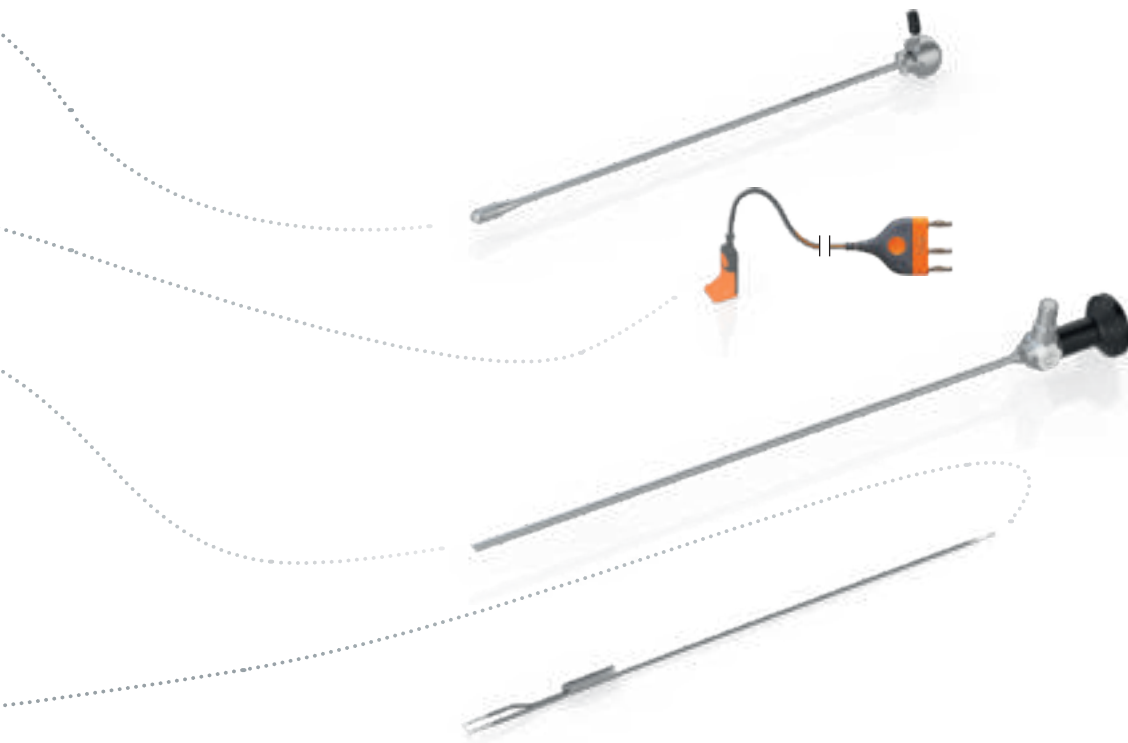
ERGOresect set, passive

730-601

		ERGOresect, working element, passive, bipolar	730-611
		ERGOresect, inner shaft 24 Fr., rotatable	730-620
		ERGOresect, outer shaft 26 Fr., inflow / outflow	730-621



ERGOreset options



Obturator
e.g. 730-630

Cable
730-615

Telescope
e.g. 730-640

Electrode
e.g. 550-606

ERGOreset, shaft 24 Fr., with central stopcock

or



730-624

or



730-625

ERGOreset, obturator 24 / 26 Fr.

+



730-630

+



730-631

ERGOreset, viewing obturator, 24/26 Fr., with working channel 5 Fr.

Bipolar cable, ERGOreset, COMFORT, 4.5 m

+



730-615

ERGOresect accessories

ERGOresect, spacer adapter, for outer shaft 26 Fr., Storz angled telescopes



730-634*

* For use in morcellation

Bladder evacuator, single-use



ABVac

ERGOresect laser accessories

ERGOresect, laser working element, passive, for laser probes up to 1.2 mm



730-614

ERGOresect, adapter for laser probe attachment



730-680

ERGOresect, adapter for laser probe attachment, long



730-681

ERGOresect telescopes



ERGOresect telescopes



4K telescope 30°, Ø 4 mm

730-640

4K telescope 12°, Ø 4 mm

730-641

4K telescope 0°, Ø 4 mm

730-642

ERGOreset electrodes

Electrodes • Single-use • PU = 5 pcs.

	0° loop, bipolar, wire Ø 0.3 mm	550-605
	60° loop, bipolar, wire Ø 0.3 mm	550-606
	120° loop, bipolar, wire Ø 0.3 mm	550-607
	Coagulation electrode, ball, bipolar	550-610
	Coagulation electrode, cylinder, bipolar	550-611
	120° loop, bipolar, wire Ø 0.35 mm	550-625
	90° loop, bipolar, wire Ø 0.35 mm	550-626
	Vaporisation electrode, flat, bipolar	550-635
	Vaporisation electrode, round, bipolar	550-636
	Enucleation electrode, round, bipolar	550-637
	Knife electrode, bipolar	550-639

LAPAROSCOPY ELECTRODES

Electrodes for laparoscopy with durable ceramic tips

BOWA laparoscopy electrodes offer outstanding resistance to heat and an optimal view of the application site.
A range of instrument tips are available.
With or without an aspiration/irrigation tube.



GEN



OB/GYN



URO



LAP electrode

PEEK casing

excellent electrical insulation

Ø 5 mm





Ceramic insulation
extremely heat-resistant



LAPAROSCOPY ELECTRODES



LAP electrode • 4250 Vp • Ø 5 × 360 mm





	Fine hook	700-005
	Spatula-shaped	700-003
	Reinforced hook	700-004
	Needle	700-006



LAPAROSCOPY ELECTRODES with aspiration / irrigation tube



LAP electrode with aspiration / irrigation tube • 4250 Vp • Ø 5 × 360 mm

	Fine hook	710-005
	Spatula-shaped	710-003
	Reinforced hook	710-004
	Needle	710-006



ACCESSORIES

Sealing cap



for laparoscopy electrode with aspiration / irrigation tube

5 pc.

700-099

BiZZER

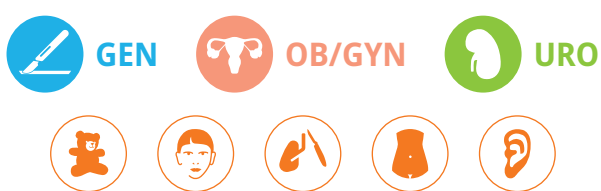
The powerful bipolar scissors for time-saving, highly precise and fatigue-free surgical work.

- Balanced centre of gravity
- Fatigue-free handling
- Anatomically curved scissor blade

Fine ceramic coating
for a distinct scissor feel

Non-stick coating
for clean work

Special hardened
surface
for a smooth cut



BiZZER MAYO



Mayo, curved • 200 Vp

Standard	without cable	170 mm	796-170
COMFORT 4.5 m cable	3-pin BOWA COMFORT	170 mm	796-570

BiZZER STEVENS



Stevens, curved, pointed • 200 Vp

Standard	without cable	145 mm	795-145
		180 mm	795-180
COMFORT 4.5 m cable	3-pin BOWA COMFORT	145 mm	795-545
		180 mm	795-580



BIZZER METZENBAUM



Metzenbaum, curved, slim • 200 Vp

Standard	without cable	180 mm	797-180
		230 mm	797-230
		280 mm	797-280
COMFORT 4.5 m cable	3-pin BOWA COMFORT	180 mm	797-580
		230 mm	797-630
		280 mm	797-680



BIZZER METZENBAUM fine



Metzenbaum, curved, fine • 200 Vp

Standard	without cable	145 mm	798-145
		180 mm	798-180
		230 mm	798-230
		280 mm	798-280
COMFORT 4.5 m cable	3-pin BOWA COMFORT	145 mm	798-545
		180 mm	798-580
		230 mm	798-630
		280 mm	798-680



BIPOLAR NON-STICK FORCEPS

Our **non-stick gold forceps** stand out due to their tip material composition, which provides special thermal properties for an optimal non-stick effect. Further advantages of the low tissue adhesion include consistent performance, fewer interruptions during surgery to clean the forceps tips and a longer instrument service life.

Heat conduction for non-stick capability



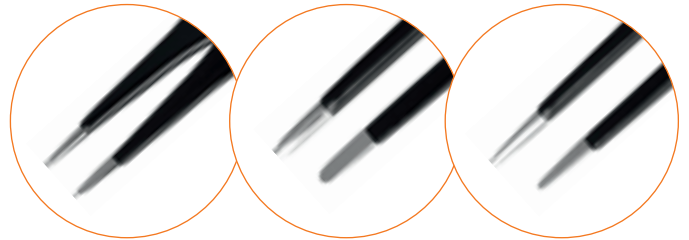
Voltage tolerance up to 550 Vp

Flat, ergonomic handle

with wide, grooved gripping surface for comfortable, precise work

Forceps tips

Different tip widths and lengths enable the bipolar non-stick gold forceps to be used in a range of areas. The very fine tips in particular achieve precise, fine coagulation.



Available as flat-handled forceps for a secure hold or with a round handle for precise, fine coagulation during surgical interventions.



Round, ergonomic handle

for effortless rotation of the forceps in the hand



GEN



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URO





BIPOLAR NON-STICK FLAT-HANDLED FORCEPS – straight

Straight • 550 Vp



Length	Tip width × tip length	
110 mm	0.5 × 6 mm	607-020
160 mm	1 × 8 mm	607-039
	2 × 8 mm	607-027
195 mm	1 × 8 mm	607-040
	2 × 8 mm	607-029

Length	Tip width × tip length	
220 mm	2 × 8 mm	607-030
	0.3 × 9 mm	607-130
270 mm	2 × 8 mm	607-080



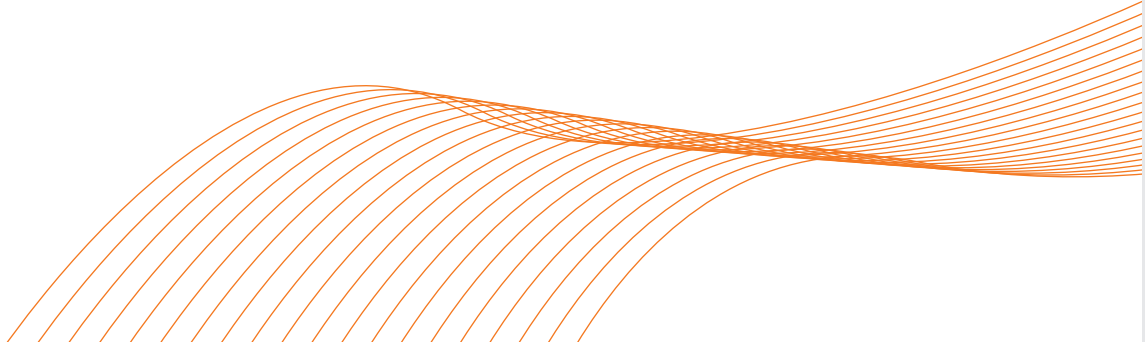
BIPOLAR NON-STICK FLAT-HANDLED FORCEPS angled

angled • 550 Vp



Length	Tip width × tip length	
110 mm	0.5 × 6 mm	607-021
160 mm	1 × 6 mm	607-014

Length	Tip width × tip length	
195 mm	1 × 8 mm	607-001
	2 × 8 mm	607-007



BIPOLAR NON-STICK FLAT-HANDLED FORCEPS bayonet



bayonet • 550 Vp

Length	Tip width × tip length	
160 mm	0.3 × 9 mm	607-100
	0.6 × 9 mm	607-105
180 mm	0.3 × 9 mm	607-101
	0.6 × 9 mm	607-106
	1 × 9 mm	607-110
195 mm	1 × 6 mm	607-002

Length	Tip width × tip length	
200 mm	0.3 × 9 mm	607-102
	0.6 × 9 mm	607-107
	1 × 9 mm	607-111
220 mm	2 × 9 mm	607-115
	0.3 × 9 mm	607-103
	0.6 × 9 mm	607-108
240 mm	1 × 9 mm	607-112
	2 × 9 mm	607-116
	1 × 9 mm	607-113



bayonet, angled upwards • 550 Vp

Length	Tip width × tip length	
200 mm	1 × 9 mm	607-120

Length	Tip width × tip length	
220 mm	1 × 9 mm	607-121



bayonet, angled downwards • 550 Vp

Length	Tip width × tip length	
200 mm	1 × 9 mm	607-122

Length	Tip width × tip length	
220 mm	1 × 9 mm	607-123



BIPOLAR NON-STICK ROUND-HANDLED FORCEPS

Straight • 550 Vp



Length	Tip width × tip length		Length	Tip width × tip length	
155 mm	0.3 × 9 mm	607-170	200 mm	0.6 × 9 mm	607-177
	0.6 × 9 mm	607-175		1 × 9 mm	607-181
180 mm	0.3 × 9 mm	607-171		2 × 9 mm	607-185
	0.6 × 9 mm	607-176	1 × 9 mm	607-182	
	1 × 9 mm	607-180	2 × 9 mm	607-186	
			225 mm		

angled • 550 Vp



Length	Tip width × tip length	
225 mm	1 × 9 mm	607-190

bayonet • 550 Vp



Length	Tip width × tip length		Length	Tip width × tip length	
180 mm	0.3 × 9 mm	607-140	225 mm	0.6 × 9 mm	607-147
	0.6 × 9 mm	607-145		1 × 9 mm	607-152
	1 × 9 mm	607-150	250 mm	1 × 9 mm	607-153
200 mm	0.3 × 9 mm	607-141			
	0.6 × 9 mm	607-146			
	1 × 9 mm	607-151			

BIPOLAR FORCEPS

- Economical thanks to their reusability
- Excellent view of the surgical field in tight spaces and deep structures
- Precise, fine coagulation even when using a surgical microscope

Connection

All of BOWA's bipolar non-stick forceps have a European flat plug connector, enabling them to be connected to all standard electrosurgical devices.

Guide

The integrated guide enables the tips to be closed precisely, quickly and simultaneously.



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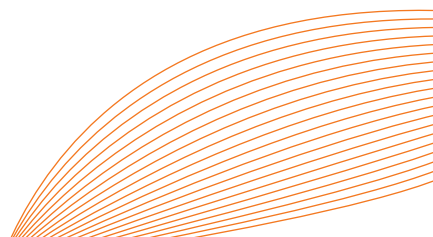
Range of types

Angled, bayonet or straight – the right forceps for a wide range of applications.



ARC 400 forceps Micro mode

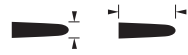
Special settings for the finest forceps





BIPOLAR FORCEPS – straight

Straight • 550 Vp



Tip width × tip length

Length	Tip width × tip length	
110 mm	0.5 × 6 mm	605-020
160 mm	1 × 8 mm	605-039
	2 × 8 mm	605-027
195 mm	1 × 8 mm	605-040
	2 × 8 mm	605-029



Tip width × tip length

Length	Tip width × tip length	
220 mm	1 × 8 mm	605-041
	2 × 8 mm	605-030
270 mm	2 × 8 mm	605-080
300 mm	2 × 8 mm	605-070

Straight, diamond serrations • 550 Vp



Tip width × tip length

Length	Tip width × tip length	
195 mm	2 × 8 mm	605-057

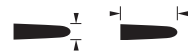


Straight, needle • 550 Vp



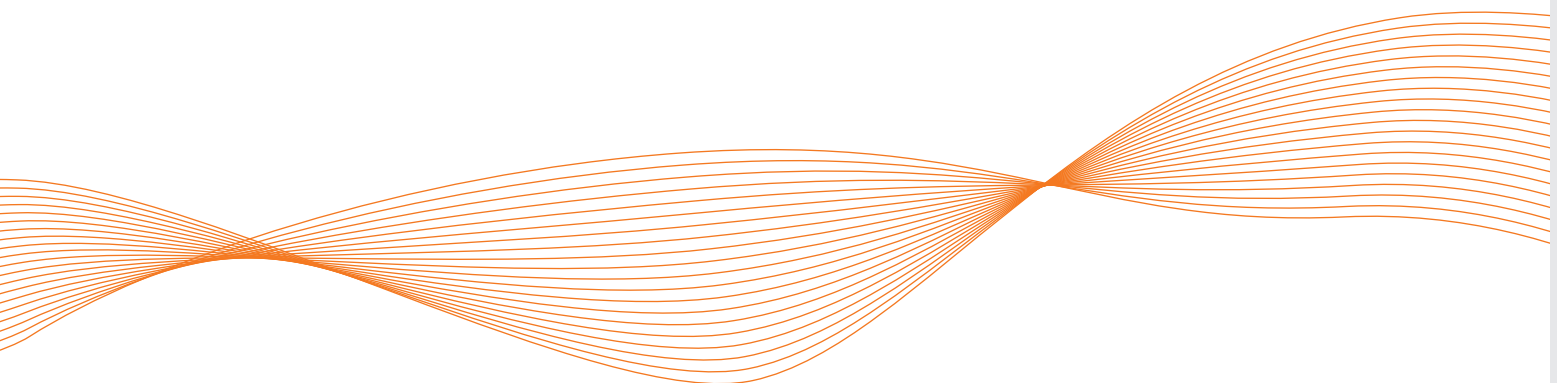
Tip width × tip length

Length	Tip width × tip length	
110 mm	0.5 × 6 mm	605-019



Tip width × tip length

Length	Tip width × tip length	
160 mm	0.5 × 6 mm	605-011





BIPOLAR FORCEPS – angled



Angled • 550 Vp




Length	 Tip width × tip length	
110 mm	0.5 × 6 mm	605-021
160 mm	0.5 × 6 mm	605-013
	1 × 6 mm	605-014

Length	 Tip width × tip length	
195 mm	1 × 8 mm	605-001
	2 × 8 mm	605-007
220 mm	1 × 8 mm	605-024

Angled, diamond serrations • 550 Vp





Length	 Tip width × tip length	
195 mm	2 × 8 mm	605-058



Angled, needle • 550 Vp



Length	 Tip width × tip length	
110 mm	0.5 × 6 mm	605-023

Length	 Tip width × tip length	
160 mm	0.5 × 6 mm	605-036



BIPOLAR FORCEPS – bayonet



Bayonet • 550 Vp

Length	Tip width × tip length	
165 mm	0.5 × 6 mm	605-033
	1 × 6 mm	605-018
195 mm	1 × 6 mm	605-002
	2 × 8 mm	605-034

Length	Tip width × tip length	
220 mm	0.5 × 6 mm	605-031

Bayonet, diamond serrations • 550 Vp



Length	Tip width × tip length	
195 mm	2 × 8 mm	605-059



Bayonet, angled • 550 Vp

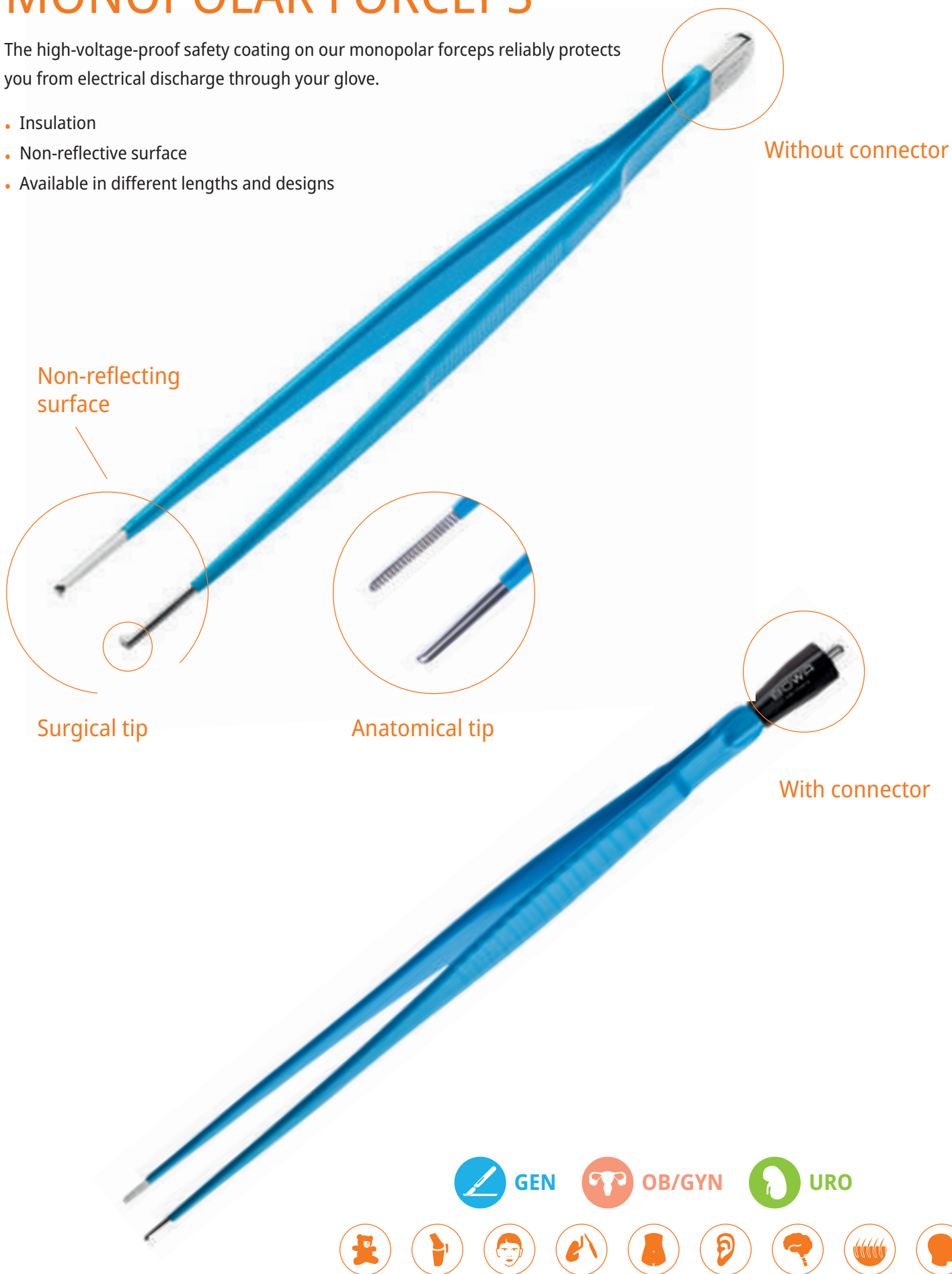


Length	Tip width × tip length	
220 mm	1 × 6 mm	605-063

MONOPOLAR FORCEPS

The high-voltage-proof safety coating on our monopolar forceps reliably protects you from electrical discharge through your glove.

- Insulation
- Non-reflective surface
- Available in different lengths and designs



GEN



OB/GYN



URO





MONOPOLAR FORCEPS without connector



Anatomical • 3500 Vp

Length	Tip width × tip length	
180 mm	2 × 18 mm	612-018
200 mm	2.2 × 18 mm	612-021

Length	Tip width × tip length	
250 mm	2.4 × 18 mm	612-025

Surgical • 3500 Vp



Length	Tip width × tip length	
180 mm	2 × 18 mm	612-118
200 mm	2.2 × 18 mm	612-121

Length	Tip width × tip length	
250 mm	2.4 × 18 mm	612-125



MONOPOLAR FORCEPS with connector

Straight • 3500 Vp



Length	Tip width × tip length	
195 mm	1 × 8 mm	610-018
	2 × 8 mm	610-017

Length	Tip width × tip length	
220 mm	1 × 8 mm	610-021
	2 × 8 mm	610-019
270 mm	2 × 8 mm	610-025



Bayonet • 3500 Vp

Length	Tip width × tip length	
195 mm	2 × 8 mm	610-016

Connecting cables

- High voltage tolerance and high durability
- Easy to clean – hygienic to the highest standards
- Orange safety stripes for greater visibility

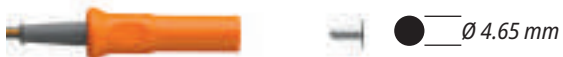


MONOPOLAR INSTRUMENT CABLES



Instrument-side connector: **4 mm socket** • 6000 Vp • 4.5 m

4 mm standard		Ø 4 mm	280-050
8 mm Bovie jack		Ø 8 mm	360-050
9/5 mm Erbe ACC / ICC / VIO		Ø 5 mm	101-051
3-pin international			230-045



Instrument-side connector: **UK connector** • 6000 Vp • 4.5 m

4 mm standard		Ø 4 mm	280-031
8 mm Bovie jack		Ø 8 mm	365-030



Instrument-side connector: **arthroscopy and LAP electrode** • 6000 Vp • 4.5 m

4 mm standard		Ø 4 mm	280-035
8 mm Bovie jack		Ø 8 mm	370-050
9/5 mm Erbe ACC / ICC / VIO		Ø 5 mm	101-060



MONOPOLAR ELECTRODE PENCIL CABLES



Instrument-side connector: **electrode pencil** • 6000 Vp • 4.5 m

3-pin international			103-045
9/5 mm Erbe ACC / ICC / VIO		Ø 5 mm	102-045



GASTROENTEROLOGY CABLES



Instrument-side connector: **2.8 mm socket** • 6000 Vp • 4.5 m

3-pin BOWA COMFORT		Ø 4 mm	131-145
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Instrument-side connector: **2.8 mm socket** • 6000 Vp • 4.5 m

4 mm standard		Ø 4 mm	431-045
8 mm Bovie jack		Ø 8 mm	331-045
9/5 mm Erbe ACC / ICC / VIO		Ø 5 mm	131-045



Instrument-side connector: **4 mm socket** • 6000 Vp • 4.5 m

4 mm standard		Ø 4 mm	432-045
8 mm Bovie jack		Ø 8 mm	332-045
9/5 mm Erbe ACC / ICC / VIO		Ø 5 mm	132-045
8/4 mm Martin		4 mm 8 mm 12.5 mm	285-050

RESECTOSCOPE / HYSTEROSCOPE CABLES – monopolar



Instrument-side connector: **2 mm socket** • 6000 Vp • 4.5 m

4 mm standard		Ø 4 mm	405-045
8 mm Bovie jack		Ø 8 mm	375-045
9/5 mm Erbe ACC / ICC / VIO		Ø 5 mm	106-045



Instrument-side connector: **Karl Storz / Richard Wolf** • 6000 Vp • 4.5 m

3-pin BOWA COMFORT		Ø 4 mm	106-145
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Instrument-side connector: **Karl Storz** • 6000 Vp • 4.5 m

3-pin BOWA COMFORT		Ø 4 mm	106-245
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Instrument-side connector: **Olympus monopolar** • 6000 Vp • 4.5 m

3-pin BOWA COMFORT		Ø 4 mm	106-345
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RESECTOSCOPE / HYSTEROSCOPE CABLES – bipolar



Using BOWA cables for bipolar resection enables the use of maximum resection power on the BOWA generator.



Instrument-side connector: **Richard Wolf Bipolar** • 1000 Vp • 4.5 m

<p>3-pin BOWA COMFORT</p>		<p>Ø 4 mm</p>	<p>354-145</p>
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Instrument-side connector: **Karl Storz bipolar** • 1000 Vp • 4.5 m

<p>3-pin BOWA COMFORT</p>		<p>Ø 4 mm</p>	<p>352-145</p>
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Instrument-side connector: **Olympus bipolar** • 1000 Vp • 4.5 m

<p>3-pin BOWA COMFORT</p>		<p>Ø 4 mm</p>	<p>355-145</p>
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BIPOLAR FORCEPS CABLES



Instrument-side connector: **EU forceps** · 550 Vp

2-pin, 28 mm international		28 mm	4.5 m	351-051
8/4 mm Erbe			4 m	101-000
2-pin, 22 mm Erbe international		22 mm	4.5 m	353-050
6/2 mm Martin			4.5 m	287-050
Valleylab units with autobipolar mode		∅ 4 mm	3 m	355-030



Instrument-side connector: **US forceps** · 550 Vp

2-pin, 28 mm international		28 mm	4.5 m	351-045
8/4 mm Erbe			4 m	101-045
2-pin, 22 mm Erbe international		22 mm	4.5 m	353-045
6/2 mm Martin			4.5 m	287-045



BIPOLAR FORCEPS CABLES



Instrument-side connector: **BOWA MEDICAL** • 550 Vp

2-pin, 28 mm international		28 mm	4.5 m	351-040
8/4 mm Erbe			4 m	101-040
2-pin, 22 mm Erbe international		22 mm	4.5 m	353-040
6/2 mm Martin			4.5 m	287-040
3-pin BOWA COMFORT		Ø 4 mm	4.5 m	101-140
Valleylab units with autobipolar mode		Ø 4 mm	3 m	355-031



Instrument-side connector: **Aesculap forceps** • 550 Vp

8/4 mm Erbe			4.5 m	101-445
2-pin, 28 mm international		28 mm	4.5 m	351-445
6/2 mm Martin			4.5 m	378-445

BIPOLAR INSTRUMENT CABLES



Instrument-side connector: **Karl Storz RoBi** • 550 Vp • 4.5 m

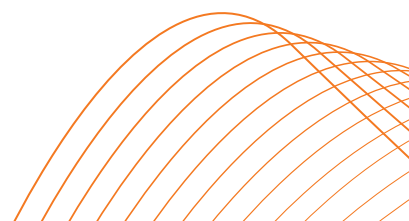
8/4 mm Erbe			101-345
2-pin, 28 mm international		28 mm	351-545
6/2 mm Martin			378-345
3-pin BOWA COMFORT		Ø 4 mm	352-245

BIPOLAR SCISSOR CABLES



Instrument-side connector: **BiZZER** • 300 Vp • 4.5 m

8/4 mm Erbe			378-145
2-pin, 28 mm international		28 mm	378-045
6/2 mm Martin			378-245





NEUTRAL ELECTRODE CABLES



Instrument-side connector: **standard NE jack, 25 mm** • 500 Vp • 4,5 m

<p>2-pin international REM</p>			<p>380-050</p>
<p>2-pin international NON-REM</p>			<p>386-050</p>
<p>6 mm Erbe NE</p>		<p>Ø 6.3 mm</p>	<p>294-050</p>
<p>6 mm Alsa NE</p>		<p>Ø 6.3 mm</p>	<p>101-150</p>

Monopolar handles

The electrosurgical handle in a classic design

Our reusable **monopolar handles** impress with their durability and ergonomic design. Cutting and coagulation are possible using two buttons with different electrodes.

The handles are reprocessed using cost-effective steam sterilisation.

The electrode holder optionally allows the use of 2.4 or 4 mm electrodes, depending on the design. With a cable length of 4.5 m, the handles provide a generous working radius.



GEN



OB/GYN

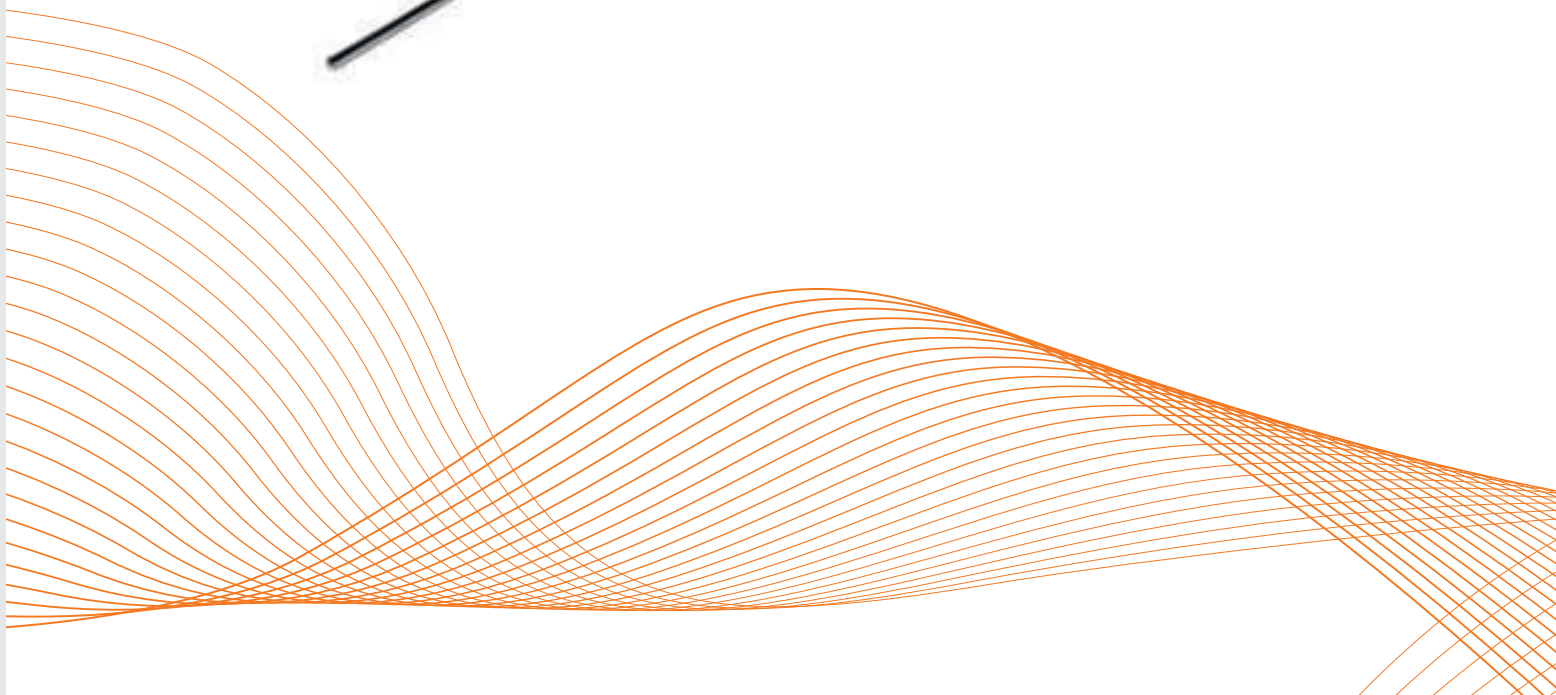


URO



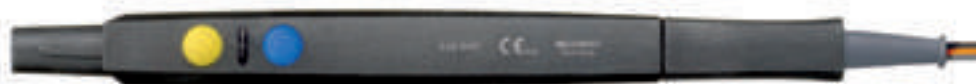
Available with 2.4 or 4 mm electrode holder

Reliable identification and tracking





ErgoPEN HANDLE



ErgoPEN HANDLE • 6000 Vp • 170 mm

3-pin international		2.4 mm	327-045
		4 mm	322-045
9/5 mm Erbe ACC / ICC / VIO		4 mm	110-045
10/4 mm Erbe T-Series		4 mm	112-045
8/4 mm Martin		2.4 mm	227-045



ErgoPEN SLIM HANDLE



ErgoPEN SLIM handle • 6000 Vp • 145 mm

3-pin BOWA COMFORT		2.4 mm	218-145
		4 mm	215-145
3-pin international		2.4 mm	218-045
		4 mm	215-045
9/5 mm Erbe ACC / ICC / VIO		2.4 mm	105-045
		4 mm	104-045
8/4 mm Martin		2.4 mm	214-045

JackKNIFE HANDLE



JackKNIFE HANDLE • 6000 Vp • 155 mm

3-pin international		2.4 mm	220-045
		4 mm	220-145
9/5 mm Erbe ACC / ICC / VIO		2.4 mm	120-045
		4 mm	120-145
8/4 mm Martin		2.4 mm	220-245



GEN



ARC 100 JackKNIFE combi-cable • 6000 Vp • 155 mm

ARC 100 (900-100)		2.4 mm	220-345
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HANDLE without buttons



Handle without buttons • 6000 Vp • 142 mm

8 mm Bovie jack		2.4 mm	335-030
		4 mm	330-030
10/4 mm Erbe T-Series		4 mm	100-016
8/4 mm Martin		4 mm	210-030

2

Single-use handles

**Rocker switch handle** • 5000 Vp • 200 mm • 3 m cable**801-030**

3-pin international

Rocker switch

incl. standard knife electrode

2.4 mm

50 pc.

**Handle with two buttons** • 5000 Vp • 200 mm • 3 m cable**802-030**

3-pin international

Two separate buttons

incl. standard knife electrode

2.4 mm

50 pc.

**Handle with two buttons** • 5000 Vp • 192 mm • 5 m cable**802-035**3-pin international
Cable length 5 m

Two separate buttons

incl. standard knife electrode

2.4 mm

50 pc.

BOWA

ACADEMY

Experts aren't born. **THEY'RE MADE.**

Discover what the BOWA ACADEMY has to offer now



Online course and
certificate



Checklist on HF surgery



bowa-academy.com/en



Advanced training events







Live and on-demand
webinars



ELECTRODES short










Knife electrode • 6000 Vp

straight		2.5 × 15 mm	5 pc.	∅ 2.4 mm	530-207
				∅ 4 mm	500-007
straight, fine		1.5 × 17 mm	5 pc.	∅ 2.4 mm	530-127
				∅ 4 mm	500-127
straight, diamond-shaped		2.5 × 25 mm	5 pc.	∅ 2.4 mm	530-009
				∅ 4 mm	500-009
angled, diamond-shaped		2.5 × 25 mm	5 pc.	∅ 2.4 mm	530-008
				∅ 4 mm	500-008

Needle electrode • 6000 Vp

straight		∅ 1 × 17 mm	5 pc.	∅ 2.4 mm	530-211
				∅ 4 mm	500-011
angled		∅ 1 × 17 mm	5 pc.	∅ 2.4 mm	530-124
				∅ 4 mm	500-124

Ball electrode • 6000 Vp

straight		∅ 1.5 mm	5 pc.	∅ 4 mm	500-019
straight		∅ 2 mm	5 pc.	∅ 2.4 mm	530-020
				∅ 4 mm	500-020
straight		∅ 4 mm	5 pc.	∅ 2.4 mm	530-021
				∅ 4 mm	500-021
straight		∅ 6 mm	5 pc.	∅ 2.4 mm	530-022
				∅ 4 mm	500-022
angled		∅ 1.5 mm	5 pc.	∅ 4 mm	500-129
angled		∅ 2 mm	5 pc.	∅ 2.4 mm	530-130
				∅ 4 mm	500-130
angled		∅ 4 mm	5 pc.	∅ 4 mm	500-131





ELECTRODES short




Spatula electrode • 6000 Vp

straight		2.5 × 30 mm	5 pc.	Ø 2.4 mm	530-126
				Ø 4 mm	500-126
angled		2.5 × 30 mm	5 pc.	Ø 2.4 mm	530-125
				Ø 4 mm	500-125

Loop electrodes • 6000 Vp

straight		Ø 10 mm	5 pc.	Ø 2.4 mm	530-017
				Ø 4 mm	500-017
straight		Ø 17 mm	5 pc.	Ø 4 mm	500-018



Wire loop electrodes • 6000 Vp

straight		Ø 5 mm	5 pc.	Ø 2.4 mm	530-014
				Ø 4 mm	500-014
straight		Ø 10 mm	5 pc.	Ø 2.4 mm	530-015
				Ø 4 mm	500-015
straight		Ø 14 mm	5 pc.	Ø 2.4 mm	530-016
				Ø 4 mm	500-016

Flat electrode • 6000 Vp

angled		8 × 10 mm	1 pc.	Ø 4 mm	500-023
angled		10 × 15 mm	1 pc.	Ø 4 mm	500-024

Micro tungsten needle electrode • 800 Vp

straight		Ø 0.5 × 2 mm	1 pc.	Ø 2.4 mm	530-012
				Ø 4 mm	500-112
angled		Ø 0.5 × 2 mm	1 pc.	Ø 2.4 mm	530-013
				Ø 4 mm	500-113

ELECTRODES long



Knife electrode • 6000 Vp

straight		2.5 × 15 mm	1 pc.	152 mm	Ø 2.4 mm	530-028
				154 mm	Ø 4 mm	520-028
straight, diamond-shaped		2.5 × 25 mm	1 pc.	146 mm	Ø 2.4 mm	530-224
				142 mm	Ø 4 mm	520-124
angled, diamond-shaped		2.5 × 25 mm	1 pc.	146 mm	Ø 2.4 mm	530-123
				142 mm	Ø 4 mm	520-123

Needle electrode • 6000 Vp

straight		Ø 1 × 17 mm	1 pc.	140 mm	Ø 2.4 mm	530-027
				136 mm	Ø 4 mm	520-027
angled		Ø 1 × 17 mm	1 pc.	136 mm	Ø 2.4 mm	530-122
				132 mm	Ø 4 mm	520-122

Ball electrode • 6000 Vp

straight		Ø 4 mm	1 pc.	126 mm	Ø 2.4 mm	530-029
				122 mm	Ø 4 mm	520-029
straight		Ø 6 mm	1 pc.	128 mm	Ø 2.4 mm	530-030
				124 mm	Ø 4 mm	520-030
angled		Ø 6 mm	1 pc.	128 mm	Ø 2.4 mm	530-035
				124 mm	Ø 4 mm	520-035

Wire loop electrodes • 6000 Vp

straight		Ø 5 mm	1 pc.	123 mm	Ø 4 mm	520-031
straight		Ø 10 mm	1 pc.	132 mm	Ø 2.4 mm	530-032
				128 mm	Ø 4 mm	520-032



ELECTRODES long

ENT needle electrode • 6000 Vp

angled		2 × 6 mm	1 pc.	124 mm	Ø 2.4 mm	530-225
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LLETZ loop electrodes • 1400 Vp

straight		10 × 10 mm	1 pc.	132 mm	Ø 2.4 mm	530-134
				128 mm	Ø 4 mm	520-134
straight		15 × 15 mm	1 pc.	137 mm	Ø 2.4 mm	530-135
				133 mm	Ø 4 mm	520-135
straight		20 × 15 mm	1 pc.	137 mm	Ø 2.4 mm	530-133
				133 mm	Ø 4 mm	520-133
straight		20 × 20 mm	1 pc.	142 mm	Ø 2.4 mm	530-132
				138 mm	Ø 4 mm	520-132
straight		25 × 25 mm	1 pc.	147 mm	Ø 2.4 mm	530-136
				143 mm	Ø 4 mm	520-136



Electrode extension

Electrode extension • 5700 Vp



530-150

Ø 2.4 mm	175 mm	Reusable
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Electrode extension • 5700 Vp



530-070

Ø 2.4 mm	105 mm	Reusable
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Electrode extension • 5700 Vp



500-150

Ø 4 mm	175 mm	Reusable
--------	--------	----------

ELECTRODE SET



Electrode container • 12 standard electrodes • 2.4 mm shaft

530-000



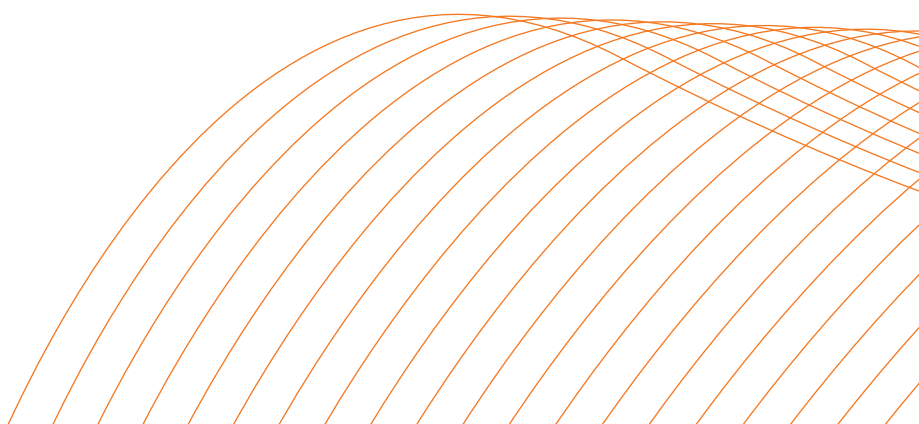
Needle electrode	530-027	Needle electrode	530-124
Knife electrode	530-009	Ball electrode	530-020
Knife electrode	530-008	Ball electrode	530-021
Spatula electrode	530-126	Ball electrode	530-022
Spatula electrode	530-125	Wire loop electrode	530-015
Needle electrode	530-211	Loop electrode	530-017

Electrode container • 12 standard electrodes • 4 mm shaft

500-000



Knife electrode	500-007	Ball electrode	500-022
Knife electrode	500-009	Wire loop electrode	500-014
Knife electrode	500-008	Wire loop electrode	500-015
Spatula electrode	500-126	Loop electrode	500-017
Needle electrode	500-011	Loop electrode	500-018
Ball electrode	500-021	Flat electrode	500-023





ARTHROSCOPY ELECTRODES

90° needle electrode • 4250 Vp



510-108



90° angle

0.8 × 1.5 mm

193 mm

90° needle electrode • 4250 Vp



510-109



90° angle

0.8 × 4 mm

191 mm

45° knife electrode • 4250 Vp



510-110



45° angle

1.5 × 4 mm

194 mm

90° L-hook electrode • 4250 Vp



510-112



90° angle

1.5 × 3 mm

193 mm



ADAPTERS – monopolar

3-pin international • 6000 Vp

111-000



Instrument side	Unit side	
3-pin international	9/5 mm Erbe ACC / ICC / VIO	84 × 53 × 15 mm

3-pin international • 6000 Vp

222-000



Instrument side	Unit side	
3-pin international	8/4 mm Martin	80 × 53 × 15 mm

9/5 mm Erbe ACC/ICC/VIO • 6000 Vp

901-250



Instrument side	Unit side	
9/5 mm Erbe ACC / ICC / VIO	BOWA ARC 250/303	63 × 53 × 27 mm

8/4 mm Martin • 6000 Vp

901-270



Instrument side	Unit side	
8/4 mm Martin	BOWA ARC 250/303	63 × 53 × 27 mm

2-4 mm universal connector • 6000 Vp

333-001



Instrument side	Unit side	
2-4 mm universal connector	8 mm Bovie jack	94 × Ø 32 mm

2-4 mm universal connector • 6000 Vp

111-001



Instrument side	Unit side	
2-4 mm universal connector	9/5 mm Erbe ACC / ICC / VIO	87 × Ø 32 mm



ADAPTERS – bipolar

2-pin, 28 mm international • 1000 Vp

340-000



Instrument side	Unit side	
2-pin, 28 mm international	8/4 mm Erbe	80 × 53 × 15 mm

8/4 mm Erbe • 1000 Vp

901-210



Instrument side	Unit side	
8/4 mm Erbe	BOWA ARC 250/303	61 × 53 × 24 mm

6/2 mm Martin • 1000 Vp

901-220










Instrument side	Unit side	
6/2 mm Martin	BOWA ARC 250/303	61 × 53 × 24 mm

ACCESSORY SETS



2.4 mm universal accessory set • Basic equipment

901-124

	Electrode container	530-000		Bipolar forceps, straight	605-040
	Handle ErgoPEN SLIM	218-045		Cable bipolar forceps	351-040
	Monopolar adapter	333-001		Universal single-use neutral electrodes	816-112
				Single-use neutral electrode cable	380-050










ACCESSORY SETS



2.4 mm accessory set • For ARC 100

901-126








	Electrode container	530-000		Bipolar forceps, straight	605-040
	Handle JackKNIFE	220-045		Bipolar forceps cable	287-040
	ARC 100 Foot switch	901-012		Single-use neutral electrodes for babies and small children	816-072
				Single-use neutral electrode cable	386-050

ACCESSORY SETS



4 mm universal accessory set • Basic equipment

901-140

	Electrode container	500-000		Bipolar forceps, straight	605-040
	Handle ErgoPEN SLIM	215-045		Cable bipolar forceps	351-040
	Monopolar adapter	333-001		Universal single-use neutral electrodes	816-112
				Single-use neutral electrode cable	380-050

BOWA ACADEMY

Overview of electrosurgery-related symbols

Symbol	Designation	Symbol	Designation
	Foot Switch Connection		CE mark with number of notified body This product complies with the essential requirements of the Medical Device Regulation (EU) 2017 / 745.
	Neutral electrode insulated against earth when using HF		Conforms to Russian standards
	Defibrillation-protected applied part of type CF		Protection category
	Alternating current		Lot
	"ON" / "OFF" (push-button operation)		Quantity
	During activation (of the HF device), HF energy in the radio frequency range 9 kHz to 400 GHz is applied, which generates electromagnetic radiation.		Use-by date
	Identification of electrical and electronic equipment according to directive 2002 / 96 / EC (WEEE), see Disposal		Sterilised using ethylene oxide
	Identification of the (active) HF output; Caution: Dangerous electrical voltage. Caution: Sale and prescription restricted to physicians. For the attending physician only.		Single use only
	Manufacturer		Do not resterilise
	Date of manufacture		Do not use if packaging is damaged
	Consult instructions for use		Caution: Fragile
	Equipotential		Keep away from direct sunlight
	Signal input of the fibre optic cable connection		Keep dry
	Signal output of the fibre optic cable connection		Caution
	Ethernet connection		Medical device
	USB connection		Latex free
	Audio (FN)		Consult instructions for use
	UART communication interface		Temperature limit
	Product number		Humidity range to which the device may be exposed
	Serial number		Air pressure range to which the device may be exposed

Caution: This checklist does not replace the Instructions for use. No claims against BOWA-electronic GmbH & Co. KG can be derived from the information and details provided therein. Depending on the individual circumstances, it may be necessary to deviate from the information given in this document. Please check your BOWA MEDICAL representative for instructions for using the device.

BOWA MEDICAL
BOWA-electronic GmbH & Co. KG | Heinrich-Hertz-Strasse 4 - 10 | 72810 Gomersingen | Germany | Phone +49 7072 6002-0 | info@bowa-medical.com | www.bowa-medical.com

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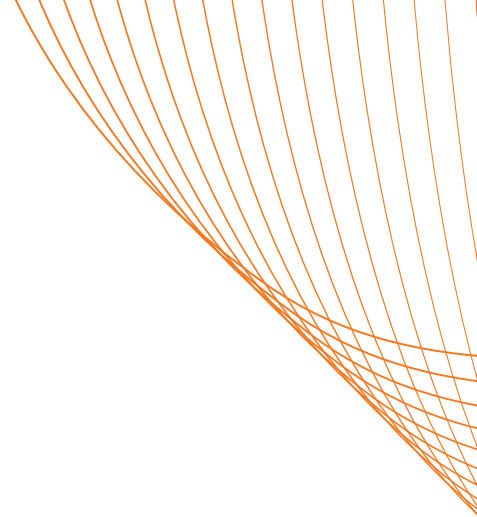
BOWA ACADEMY

CHECKLIST OVERVIEW OF SYMBOLS



- The most important symbols
- Clear, short explanations

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NEUTRAL ELECTRODES

Single-use neutral electrodes

Universal

For babies and children

For adults

Accessories

Rubber neutral electrodes

Electrodes

Accessories



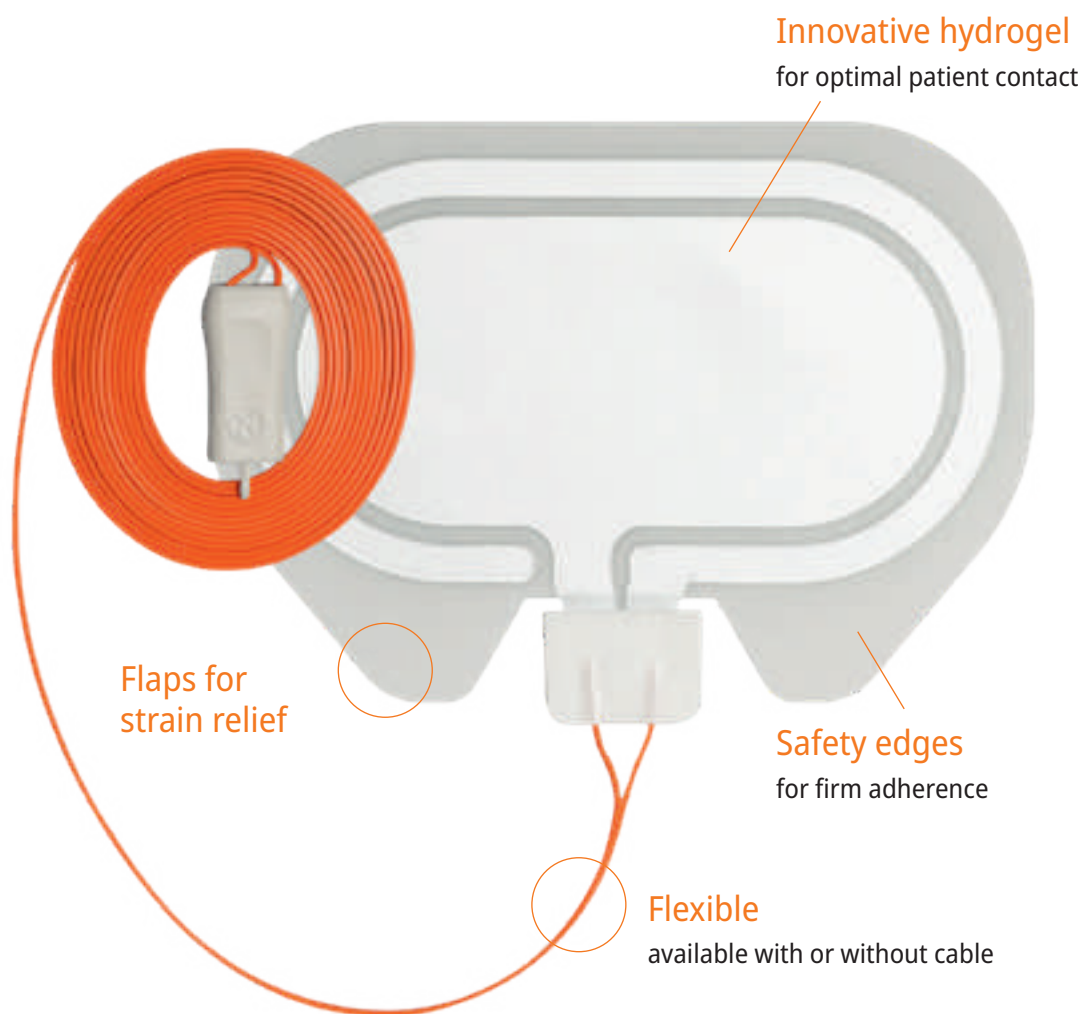


**FOR MAXIMUM
PATIENT SAFETY**

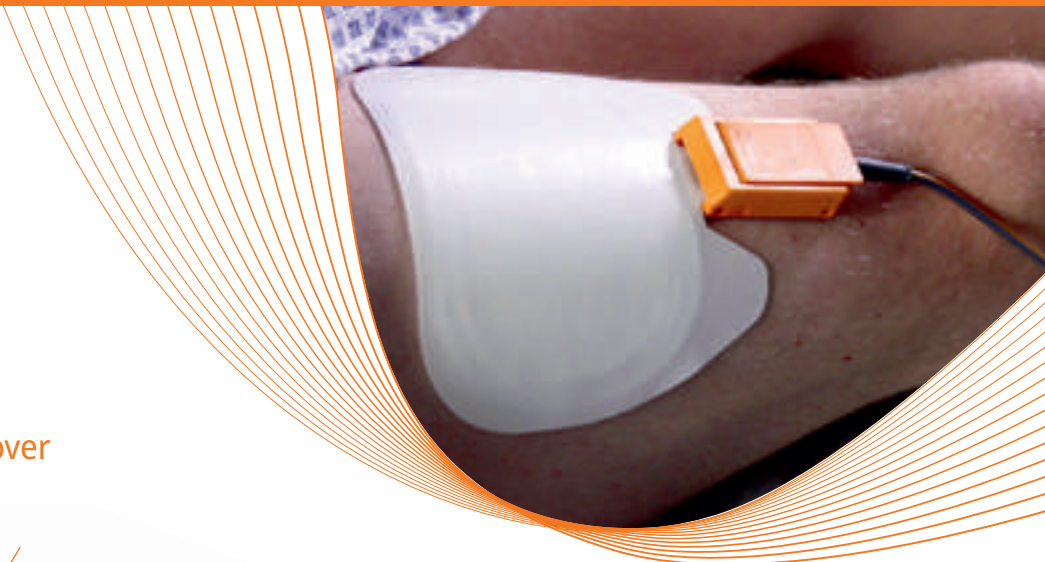
UNIVERSAL SINGLE-USE NEUTRAL ELECTRODES

Optimal patient contact and simple unit connection

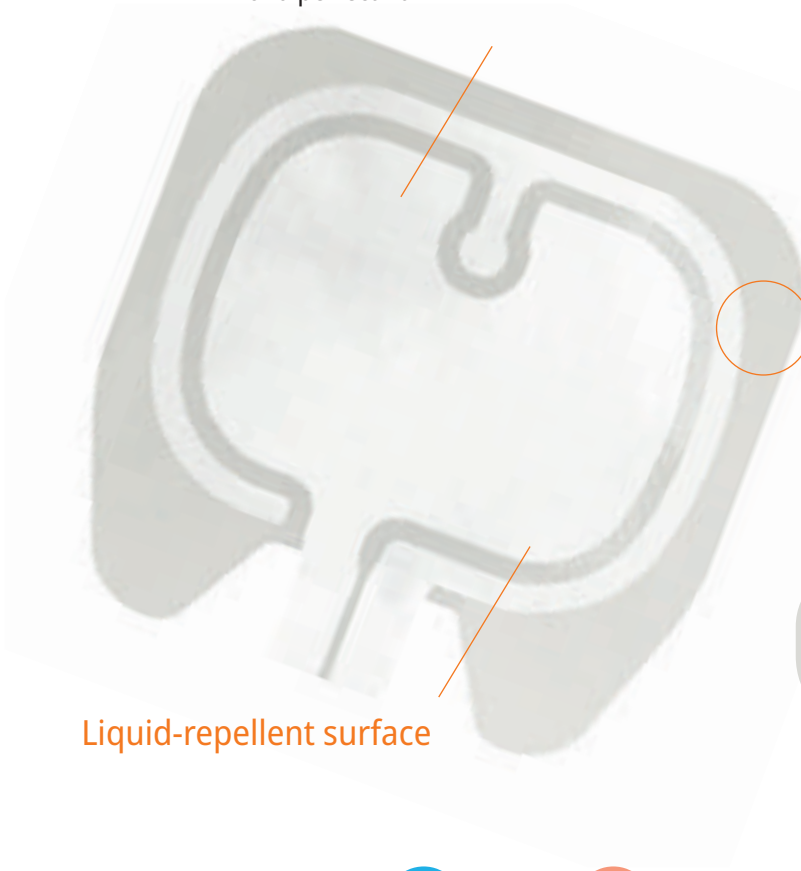
BOWA neutral electrodes ensure an optimal and secure connection between the electrosurgical unit and the patient. The electrodes are available in a range of designs and sizes. The optional cable has an extremely flat connector and therefore minimises the risk of pressure points in the connection area for the patient. Split neutral electrodes enable the use of contact monitoring systems such as the **BOWA EASY System**.



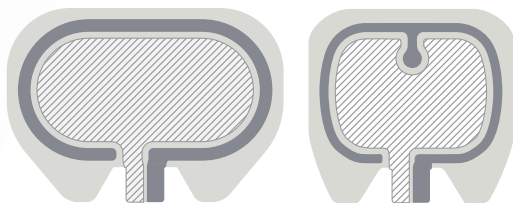
- Low heat storage and optimal skin contact thanks to innovative hydrogel
- Additional protection thanks to the liquid-repellent exterior
- Safety ring for optimal current symmetry and ideal support for modern contact quality monitoring systems



Flexible foam cover
for a perfect fit



Safety ring
for optimal current symmetry

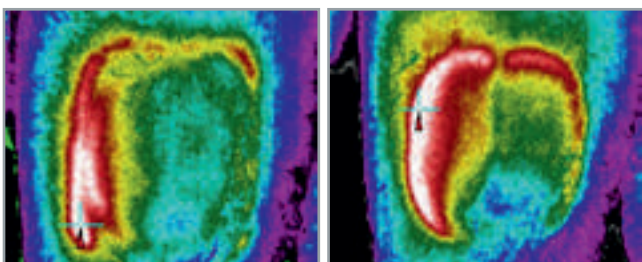


Liquid-repellent surface

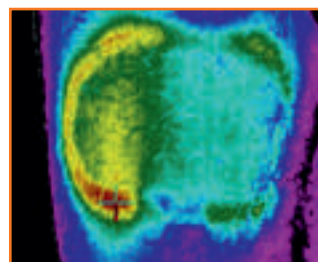
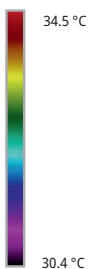


Skin warming by different neutral electrodes

Conventional neutral electrodes



BOWA EASY



SINGLE-USE NE – universal, split



70 cm² EASY • Split • For children from 5–15 kg • 200 W power limitation

max.
200W



without cable	100 pc.	816-072
3 m cable 2-pin international REM	15 pc.	818-072

90 cm² EASY • Split • Universal >5 kg



without cable	100 pc.	816-092
3 m cable 2-pin international REM	15 pc.	818-092

110 cm² EASY • Split • Universal >5 kg



without cable	100 pc.	816-112
3 m cable 2-pin international REM	15 pc.	818-112



SINGLE-USE NE for newborns, split

40 cm² EASY • Split • For newborns <5 kg • 100 W power limitation

max.
100W



without cable	100 pc.	816-042
3 m cable 2-pin international REM	15 pc.	818-042



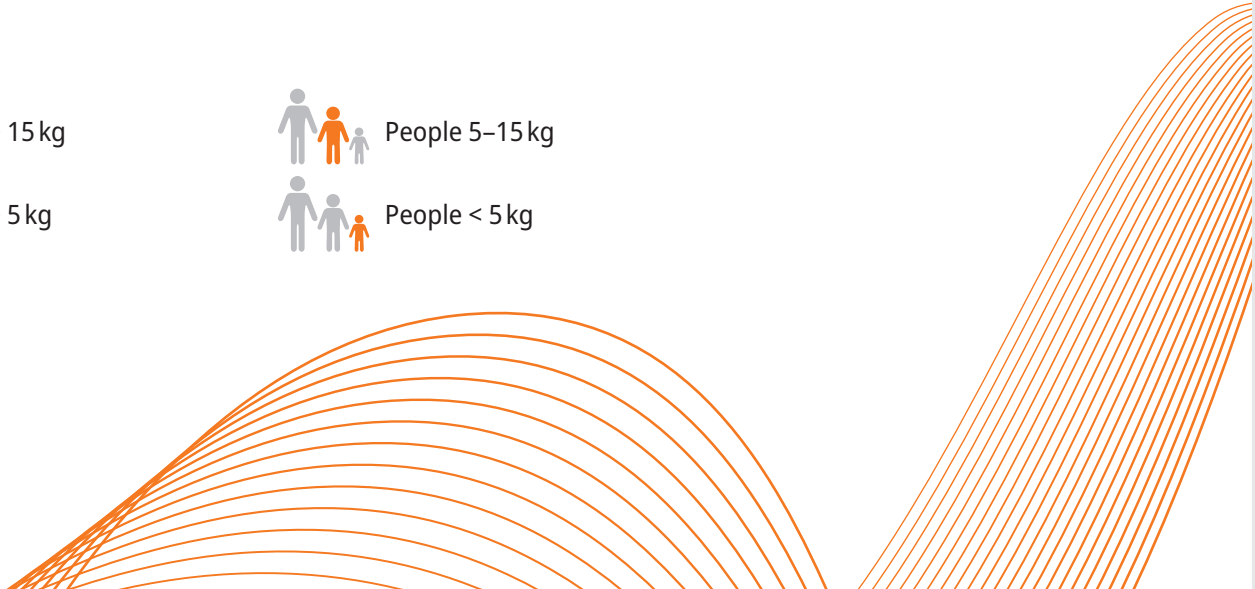
SINGLE-USE NE for children, split

70 cm² • Split • For children from 5–15 kg • 200 W power limitation

max.
200W



without cable	100 pc.	816-071
3 m cable 2-pin international REM	15 pc.	818-071



SINGLE-USE NE for adults, split



140 cm² • Split • For adults >15 kg



without cable	100 pc.	816-141
3 m cable 2-pin international REM	15 pc.	818-141

160 cm² • Split • For adults >15 kg



without cable	100 pc.	816-161
3 m cable 2-pin international REM	15 pc.	818-161

160 cm² EASY • Split • For adults >15 kg



without cable	100 pc.	816-162
3 m cable 2-pin international REM	15 pc.	818-162



SINGLE-USE NE universal, undivided

110 cm² • Undivided • Universal >5 kg



without cable	100 pc.	815-110
3 m cable 2-pin international REM	15 pc.	817-110



SINGLE-USE NE for newborns, undivided

40 cm² • Undivided • For newborns <5 kg • 100 W power limitation



without cable	100 pc.	815-040
3 m cable 2-pin international REM	15 pc.	817-040



SINGLE-USE NE for children, undivided

70 cm² • Undivided • For children from 5–15 kg • 200 W power limitation



without cable	100 pc.	815-070
3 m cable 2-pin international REM	15 pc.	817-070



SINGLE-USE NE for adults, undivided

140 cm² • Undivided • For adults >15 kg



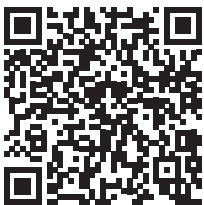
without cable	100 pc.	815-140
3 m cable 2-pin international REM	15 pc.	817-140

SINGLE-USE NE accessories



Instrument-side connector: **Single-use neutral electrode** • 500 Vp • 4.5 m

6 mm Alsa		101-060
6 mm Erbe		294-050
2-pin international REM		380-050
2-pin international NON-REM		370-050



E-learning
NEUTRAL ELECTRODES

Use and proper handling in HF surgery

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BOWA
ACADEMY

CHECKLIST NEUTRAL ELECTRODE

- Determine a suitable application site
- Ensure correct positioning and alignment
- Ensure complete contact with the skin



bowa-academy.com/en





RUBBER NEUTRAL ELECTRODES – reusable

The neutral electrode is attached to the patient using an elasticated strap.
It is connected to the generator via an additional cable.

150 × 80 mm • Undivided • For children from 5–15 kg • 0.5 m



Erbe	1 pc.	193-016
International	1 pc.	232-003

250 × 150 mm • Undivided • For adults >15 kg • 0.5 m



Erbe	1 pc.	193-008
International	1 pc.	242-003

RUBBER NEUTRAL ELECTRODES – accessories

Elasticated strap with fastener **194-075**

75 cm

1 pc.



Rubber contains latex

Connection: **Single-use neutral electrode** • 500 Vp • 4.5 m

6 mm Erbe		101-003
6 mm Martin		295-050
2-pin international NON-REM		385-050



ARGON- *Plasma Coagulation (APC)*

ARC PLASMA

Flexible endoscopic argon probes

Argon handle

Argon electrodes

Rigid

Flexible

Adjustable

ARC PLUS units

Accessories





ARC PLASMA

All you need for APC and gastroenterology.
In a single unit.

Compact design.
Packed with features.

- Fully equipped for all interventions
- Compact design suitable for endoscopy stacks
- Save up to 75% on maintenance costs*

ARC Type VI with integrated Argon module



Intuitive user guidance

ARC Wizard



Maximum information

Adaptive display



Developed for you

Easy set-up

Technical data:

- Monopolar 400W
- Bipolar 200W

Features:

- ZAP function
- Plug'n Cut COMFORT
- EASY neutral electrode monitoring
- ARC CONTROL and CCS
- Memory for 300 programmes
- 27 system languages

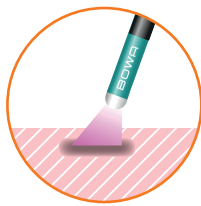
Scope of delivery:

- Unit
- Mains cable
- Document folder

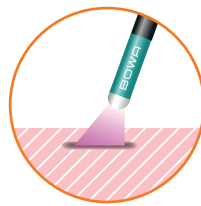
* Comparison: two separate units with yearly safety-checks vs. BOWA ARC (every two years)

BOWA Argon Plasma

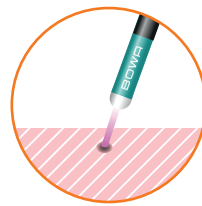
Maximum safety and effectiveness



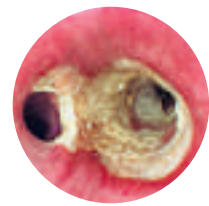
Effective devitalisation



Limited penetration depth



Contactless haemostasis



APC in bronchoscopy

ARC PLASMA ENERGY SYSTEM | 430 × 140 × 470 mm • 9.6 kg

ARC with integrated Argon module • One monopolar socket • One bipolar socket • One Argon socket

900-620 Type VI



		<p>Monopolar 4 mm standard, 3-pin int., 9/5 mm Erbe</p>	<p>1</p>
		<p>Argon</p>	<p>1</p>
		<p>Bipolar 2-pin int., 8/4 mm Erbe, BOWA 3-pin</p>	<p>1</p>

ARGON PROBES

Argon probes with flow-optimised, atraumatic ceramic tips

The **flexible argon probes** have atraumatic ceramic tips optimised for argon ignition and a scale around the tip for optimal positioning.

The green sheath offers maximum contrast.

Our argon probes are available in a range of lengths, diameters and with different outlets depending on the area of application.

- Optimised ignition properties
- 360°, 90°, straight
- Atraumatic



GI



Atraumatic ceramic tip

Optimal colour contrast

Scale

1 ring = 1 cm

90° lateral design

360° design



SINGLE-USE ARGON PROBES



Single-use argon probes, Ø 1.5 mm · 5200 Vp

Axial outlet		1500 mm	10 pc.	932-248
		3000 mm	10 pc.	932-251



Single-use argon probes, Ø 2.3 mm · 5200 Vp

Axial outlet		2200 mm	10 pc.	932-249
		3000 mm	10 pc.	932-252
90° lateral outlet		2200 mm	10 pc.	932-253
360° outlet		2200 mm	10 pc.	932-254



Single-use argon probes, Ø 3.2 mm · 5200 Vp


Axial outlet		2200 mm	10 pc.	932-250
--------------	--	---------	--------	---------



REUSABLE ARGON PROBES





Reusable argon probes, Ø 1.5 mm • 5200 Vp

Axial outlet		1500 mm	1 pc.	932-148
		3000 mm	1 pc.	932-151



Reusable argon probes, Ø 2.3 mm • 5200 Vp

Axial outlet		1000 mm	1 pc.	932-154
		2200 mm	1 pc.	932-149
		3000 mm	1 pc.	932-152
90° lateral outlet		2200 mm	1 pc.	932-153



Reusable argon probes, Ø 3.2 mm • 5200 Vp

Axial outlet		2200 mm	1 pc.	932-150
--------------	---	---------	-------	---------



ARGON PROBES Cables



Connection cable for flexible argon probes • 5200 Vp

3-pin BOWA COMFORT		2.5 m	1 pc.	932-146
--------------------	--	-------	-------	---------

ARGON PROBES Accessories



Argon probe irrigation line adapter



for flexible argon probe	5 pc.	932-910
--------------------------	-------	---------



DualixTM – Plus 0.22 µm (argon filter for ARC PLUS)



25 × 25 × 20 mm	50 pc.	SLGVS25US
-----------------	--------	-----------

ARGON ELECTRODES

Contactless, efficient argon surface coagulation

A range of electrodes are available for the argon handle for use in argon-assisted electrosurgery. Lengths for both open surgery and laparoscopic interventions is available. The reusable electrodes are reprocessed using a cost-effective, standard steam sterilisation process.

- Coagulation and cut
- Reusable
- Open and laparoscopic






ARGON handle





ARGON ELECTRODES – rigid

Argon electrodes • 4600 Vp

Axial outlet		Ø 5 × 75 mm	1 pc.	932-031
		Ø 5 × 150 mm	1 pc.	932-032
		Ø 5 × 370 mm	1 pc.	932-034



ARGON ELECTRODES – flexible




Flexible argon electrodes Flexible • 4600 Vp

Axial outlet		Ø 5 × 170 mm	1 pc.	932-060
		Ø 5 × 250 mm	1 pc.	932-061
		Ø 5 × 370 mm	1 pc.	932-062



ARGON ELECTRODES – adjustable

Argon electrodes with adjustable knife • 4600 Vp

100 mm		Ø 5 × 40 mm	1 pc.	932-055
150 mm		Ø 5 × 90 mm	1 pc.	932-058
370 mm		Ø 5 × 310 mm	1 pc.	932-059

Argon electrodes with adjustable needle • 4600 Vp

100 mm		Ø 5 × 40 mm	1 pc.	932-035
150 mm		Ø 5 × 90 mm	1 pc.	932-036

ARC PLUS ACCESSORY UNIT FOR ARGON-ASSISTED ELECTROSURGERY

The brilliant PLUS for argon-assisted endoscopy and surgery

For quick, contactless coagulation with maximum perforation protection and easy control. Using argon with a purity of at least grade 4.8, plasma is ignited between the electrode and the tissue for precise contactless coagulation. **An absolute gold-standard tool for flexible endoscopy, liver surgery and gynaecology.** The ARC PLUS is an add-on module for the BOWA ARC 400 / ARC 350.

Argon workstation with ARC 400

for use in argon-assisted electro-surgery

Operation via the

front of the ARC 400 unit



ARC PLUS for ARC 400 / ARC 350

Add-on module for ARC 400 / ARC 350 • 670 × 520 × 330 mm • Incl. fibre optic cable (901-051) • Y-splitter mains extension **900-001**



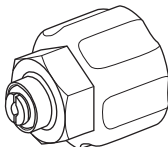
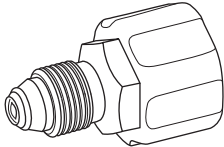
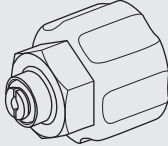
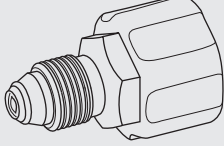
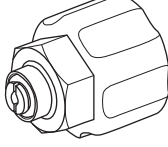
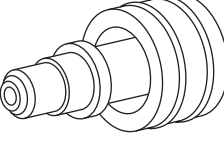
PRESSURE REDUCER for ARC PLUS (REF 900-001)



With electrical pressure sensor

to show the cylinder fill level on the generator

Pressure reducer for ARC PLUS 900-001 • 650 mm

	DIN 477, No. 6	Central Europe, Eastern Europe, Spain W 21.8 × 1/14"	900-906		CGA 580	America, Far East, Italy, UAE 0.965"-14 NGO i (W 24.511 × 1/14" INT)	900-908
	DIN 477, No. 10	Netherlands, Northern Europe W 24.32 × 1/14"	900-907		BS 341, No. 3	Commonwealth, Turkey G 5/8" BSPF G 5/8" INT	900-909
	GOCT G 3/4"	Commonwealth of Independent States (CIS) GOCT G 3/4"	900-921		ISO 5145, No. 4	Europe, France W 24×2 RH Ø 13.3/14.7	900-923

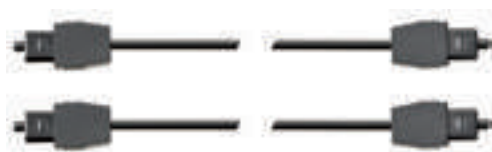
SINGLE-USE PLUS accessories

Argon gas cylinder*, 4.8 L • Empty



DIN 477, No. 6	1 pc.	900-806	CGA No. 580	1 pc.	900-808
DIN 477 No. 10	1 pc.	900-807	BS 341 No. 3	1 pc.	900-809

* Cylinders are delivered empty.



ARC PLUS fibre optic cable

for ARC PLUS (REF 900-001)	1 pc.	901-051
----------------------------	-------	---------



SMOKE

management

SHE SHA

Unit

Handles

Hoses

Accessories

SHE SHA CART





**MAKE A SMOKE-FREE
OPERATING THEATRE
YOUR GOLD STANDARD**

SHE SHA smoke evacuation system

A safe and healthy working environment thanks to clean air in the operating theatre

Laser and electrosurgical procedures produce harmful fumes when tissue is vaporised. The only effective protection against electrosurgical smoke is extraction at the source.

- Powerful and effective – high suction performance of 700 L/min
- Four-stage filter system
- Universally compatible – three connectors for all standard handles



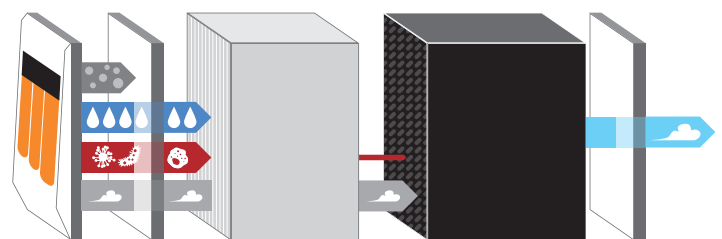
“If I can smell it, then it is already in my lungs!”

A standard operating theatre mask is not sufficient against surgical smoke.



Harmful-substance-specific filtration:

- In **stage 1**, the coarse filter removes larger particles in the surgical smoke.
- The patented design of the ULPA-15 filter in **stage 2** efficiently removes 99.999% of the harmful substances in surgical smoke.
- In **stage 3**, a high-quality activated charcoal filter adsorbs and removes odours and toxic gases.



- Finally, in **stage 4**, there is a post-filter that seals the system and prevents fine particles from being emitted.

SHE SHA SMOKE EVACUATION SYSTEM

SHE SHA smoke evacuation system • Main unit* • 394 × 279 × 152 mm

950-001



SHE SHA activation sensor

included



Pneumatic foot switch

included

* SHE SHA filter not included

SINGLE-USE SHA accessories



SHE SHA pre-filter



for the BOWA SHE SHA series

20 pc.

ZF085



SHE SHA filter



230 × 143 × 117 mm

2 pc.

951-001



Connection cable*



70 cm

1 pc.

900-060

* Cable only compatible with ARC Energy System (900-600, 900-610, 900-620)



Soft handle clip-on • For handle



Ø 22 mm × 3 m

10 pc.

952-000

For: 110-045, 112-045, 120-045, 120-145, 220-045, 220-145, 220-245, 227-045, 322-045, 327-045, 801-030, 802-030, 802-031, 951-000, 951-001



Soft handle clip-on, small • For handle



Ø 22 mm × 3 m

10 pc.

952-100

For: 100-016, 104-045, 105-045, 210-030, 214-045, 215-045, 218-045, 330-030, 335-030, 951-000, 951-001



Hard-cover handle clip-on • For handle



Ø 22 mm × 3 m

20 pc.

952-001

For: 120-045, 120-145, 220-045, 220-145, 220-245, 801-030, 802-030, 802-031

SHE SHA SMOKE EVACUATION PENCILS Single-use, sterile



SHE SHA adjustable-length smoke evacuation pencil • 10 / 22 mm • 3 m cable • 4600 Vp

802-033



3-pin international

with knife electrode

10 pc.



SHE SHA adjustable-length smoke evacuation pencil with non-stick knife electrode • 10 / 22 mm • 3 m cable • 4600 Vp

802-034



3-pin international

with knife electrode

10 pc.



SHE SHA smoke evacuation pencil • 10 / 22 mm • 3 m cable • 5000 Vp

802-032



3-pin international

with knife electrode

20 pc.

ARC CART equipment trolleys

For ARC, LOTUS (LG4) and SHE SHA, pre-assembled • 60 kg load capacity

902-055



	ARC CART	902-022
	LOTUS adjustable shelf	902-924
	SHE SHA adjustable shelf	902-920
	Handle	902-921
	Rear handle	902-923
	Four equipotential bonding points	902-911
	Single-pedal foot-switch holder, left	902-937

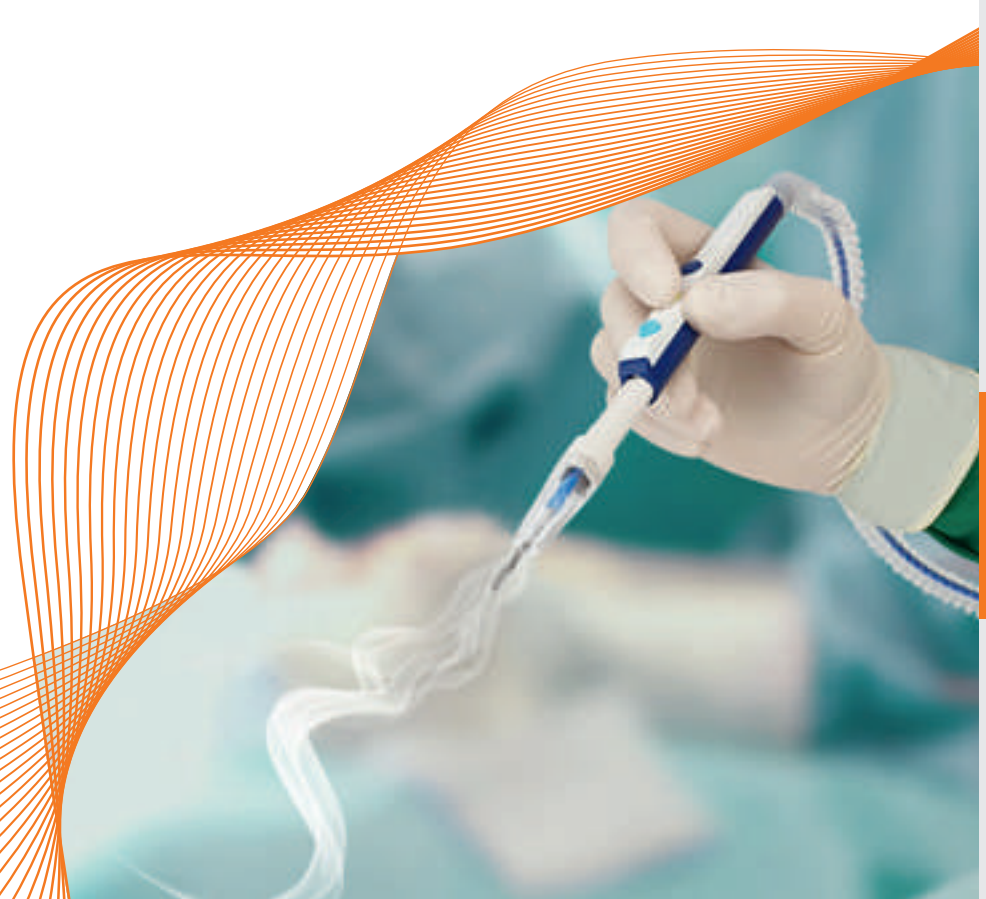
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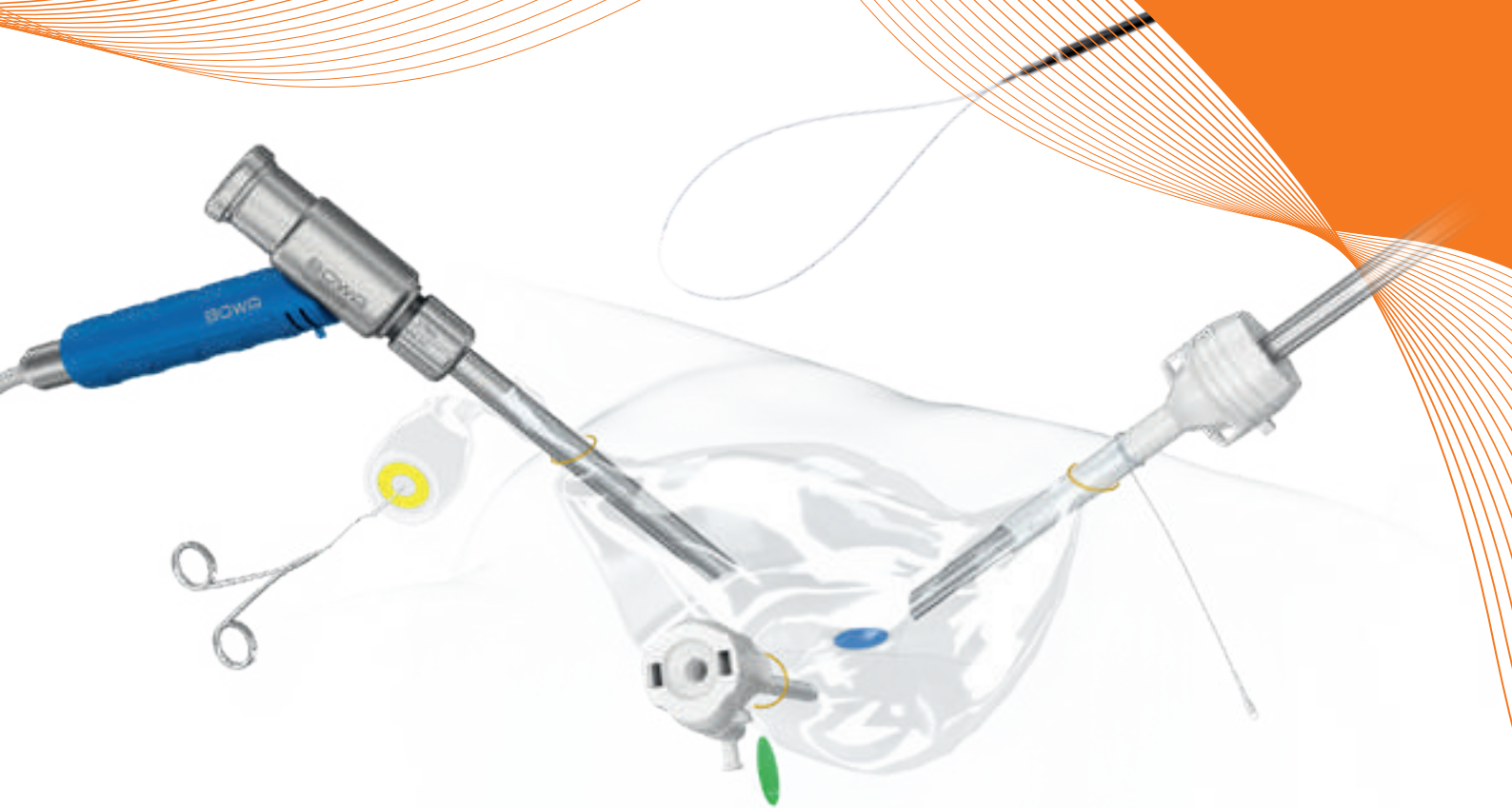
MORCELLATION

MetraBag^{pro}

ERGO 300

MORCELLATOR instruments

MetraLOOP



**PRODUCTS WITH
CLINICAL RELEVANCE**

MetraBag^{pro}

In-bag morcellation made easy

Our goal is to make surgical procedures easier.

MetraBag^{pro} from BOWA MEDICAL is a tissue containment system that is flexible and easy to use during surgical procedures. It is inserted via a 10 mm trocar and allows fast positioning of the

desired working port. We want you to achieve the best possible surgical outcome – without needing to change your surgical procedure.

- Flexible port positioning – no need to change your surgical technique
- Transparent bag material allows the usual visibility of surrounding tissues
- Easy insertion using a 10 mm trocar



Drawstring
for easy unfolding of the bag during the procedure and easy positioning of the working port

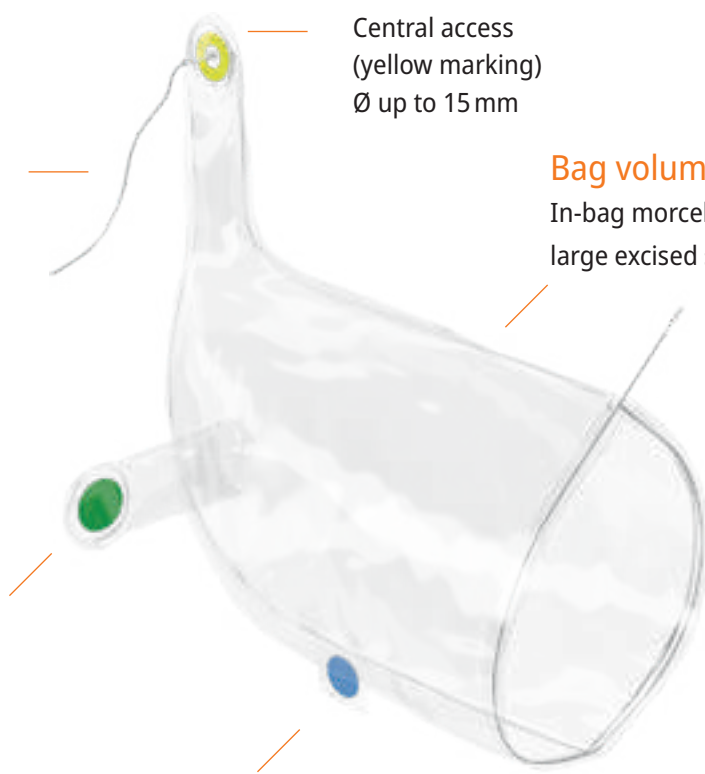
Working port on the left (green marking) – access for a standard morcellation assistance instrument

Central access (yellow marking)
Ø up to 15 mm

Bag volume of 3.5 litres
In-bag morcellation, even for large excised specimens

Grab point for **mobilisation of the bag** (blue marking)

Large self-opening **isolation opening**



ERGO 300 Morcellator – precise, ergonomic, flexible

A powerful system for morcellation during
hysterectomy and myomectomy.

BOWA MEDICAL offers the ERGO 300
with working diameters of 12 mm and 15 mm.



Vario foot switch with 3 m cable
Precise control of the cutting speed

Gear and sealing unit
Torque with uniform, quiet running

Safety

Deactivation of the blade
for safe insertion into the
operation area

Handle for maximum
control during the
morcellation process



Customisable
Different cutting speed ranges available

Powerful micro motor
with 3 m cable, autoclavable

- Powerful morcellation system can be flexibly adapted to your surgical technique
- The ERGO 300 morcellation system is reusable and therefore economical.
- Complete system set-up in the sterile area – quick and easy.



The BOWA Morcellator is perfectly compatible
with the MetraBag^{PRO} tissue containment
system.

MetraBag^{pro}



MetraBag^{pro} – in-bag morcellation • Sterile • 11.5 mm • 34 char. • Ø 160 mm • 10 pcs

905-720



OB/GYN

Controlled tissue morcellation in an enclosed system

The MetraBag^{pro} is a morcellation bag that prevents the dispersal of tissue when retrieving specimens during hysterectomy and myomectomy.

MetraBag^{pro} is supplied sterile with an insertion aid and three drawstrings to close the used working ports.

ERGO 300 Basic set



Basic morcellator set • 100 V / 115V / 230 V • 50–60 Hz

905-000



Control unit	905-001
Micro-motor	905-002
Vario foot switch	905-003
Drive unit	905-004
Handle	905-005
Spray tube attachment	905-030
Protective tube	905-215
Obturator	905-015

ERGO 300 Accessories

ERGO 300 control unit • 120 × 180 × 107 mm

905-001





ERGO 300 Accessories

Micro-motor



3 m cable

1 pc.

905-002

Vario foot switch



225 × 90 × 52 mm

1 pc.

905-003

Drive unit



113 × 100 × 38 mm

1 pc.

905-004

Handle



126 × Ø 27 mm

1 pc.

905-005

Obturator



Ø 15 mm

1 pc.

905-015

Ø 12 mm

1 pc.

905-012

Protective tube



Ø 15 mm

1 pc.

905-215

Ø 12 mm

1 pc.

905-212

Morcellator application set



Application set, Ø 15 mm

5 pc.

905-625

Spray tube attachment



for NouvaOil

1 pc.

905-030

Morcellator application set



Application set, Ø 12 mm

5 pc.

905-622

MORCELLATOR CLAW GRASPER handle



Morcellator handle with sliding stop

905-421



MORCELLATOR claw grasper



Morcellator Tenaculum forceps • $\varnothing 10\text{ mm}$

905-412



Morcellator claw grasper • $\varnothing 10\text{ mm}$



905-415






Spare parts Instruments

Jaws • Ø 10 mm • 1 pc.

	Tenaculum jaw	905-423		Claw gripper jaw	905-422
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Shaft

					
Ø 10 mm		1 pc.		905-424	



ERGO 300 Accessories

Seal with indentation



15 × Ø 32 mm		10 pc.	905-009
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Seal Ø 12–20 mm



2 × Ø 28 mm		10 pc.	905-512
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Morcellator lubrication spray



500 ml		1 pc.	1600064
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Motor cable



3 m		1 pc.	905-017
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Handpiece support



		1 pc.	905-016
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Irrigation line adapter



Ø 11.8 × 30 mm		1 pc.	905-035
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Sealing unit



		1 pc.	905-927
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MetraLOOP

Monopolar loop for efficient removal of the cervix



Optimised for **BOWA ARC 400**
MetraLOOP® mode

Ø 5 mm

Different models

Ø 100 and Ø 175 mm

- The reusable part of the instrument contributes to environmental and economic sustainability.
- Two different loop sizes allow the MetraLOOP system to be adapted to large and small uteri.
- The MetraLOOP instruments can be operated with all standard HF generators.





MetraLOOP® set

Basic instrument set without cable • 1000 Vp

520-110



without cable

Ø 5 × 305 mm

Basic instrument set with cable • 1000 Vp

520-115



3-pin BOWA COMFORT

Ø 5 × 305 mm



MetraLOOP® tubular shaft

Outer shaft • 1000 Vp

520-114



without cable

Ø 5 × 305 mm

Inner shaft • 1000 Vp



without cable

Ø 5 × 305 mm

520-113



3-pin BOWA COMFORT

Ø 5 × 305 mm

520-116



MetraLOOP® loops



MetraLOOP® spare loops

Ø 100 mm

10 pc.

520-117



MetraLOOP® spare loops

Ø 175 mm

10 pc.

520-118

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CME for doctors

