

Surgical Devices Product Catalog

The Complete Portfolio

Energy
Solutions >

THUNDERBEAT >

SONICBEAT >

SonoSurg >

PK
TECHNOLOGY >

EVEREST >

Electrosurgical
High Frequency
Devices >

OR-VAC >

Dedicated HF
Generators >

Hand Instruments
(HiQ+ and HICURA) >



Energy Solutions

Unique Hybrid Technology, Advanced Bipolar Energy, Ultrasonic Energy and Monopolar/Bipolar/Non Polar Hand Instruments

One System That Covers Different Medical Specialties and Technologies for Open, Laparoscopic and Endoscopic Surgery

Electrosurgery

ESG-400 – A Fully Equipped, Latest-Generation HF Generator

Optimizing your state-of-the-art electrosurgery in all surgical disciplines for monopolar, bipolar, and advanced bipolar modes for open, laparoscopic, and endoscopic applications, as well as transurethral or transcervical resection (TURis/TCRIs).



17343

Ultrasonic Surgery

USG-400 – Ultrasonic Energy for Advanced Tissue Management

The USG-400 generator provides compatibility with the SONICBEAT ultrasonic dissector.



5935

Unique Hybrid THUNDERBEAT Technology

Surgical Tissue Management System

Two combined surgical energy generators provide a unique platform that delivers the most widely used energy requirements to the surgical suite, eliminating the need for multiple devices in the operating room.



13897

One System for Different Medical Specialties

| Bariatrics | Upper GI | Lower GI | Urology | Other | ENT | Gynecology | Breast Surgery |
|-------------------------|----------|----------|---------|-------|---------------|------------|----------------|
| Standard HF Accessories | | | | | | | |
| THUNDERBEAT | | | | | | | |
| SONICBEAT | | | | | PK TECHNOLOGY | | |



Ordering Information

| Order Number | Product Description |
|-------------------------------------|---|
| Generators and Accessories | |
| WB91051W | ESG-400* electrosurgical generator |
| N5428060 | USG-400 ultrasonic generator |
| N3809330 | Communication cable – short: 0.25 m |
| N3809630 | Docking fixture |
| WA956215 | Power cable Europlug (2x) |
| WA95623A | Power cable UK plug, 4.5 m (1x) |
| WA95621A | Power cable EU plug, 4.5 m (1x) |
| Energy Carts and Accessories | |
| N3635730 | Energy Cart TC-E400 (ESG/USG-400) |
| K10030281 | EU, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030280 | UK, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030283 | OMEA, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030243 | Cable Hook |
| K10030244 | Footswitch Receiver Holder |
| K10030245 | Single Foot Switch Holder |
| K10030247 | Drawer Unit Rear Opening |
| Optional | |
| WB50403W | Foot switch, single (bipolar) pedal |
| N3809430 | Communication cable – long: 10 m** |
| N3809530 | Adapter for the connection to UHI-3 or UHI-4 insufflator |
| WA99510A | Neutral electrode cable (reusable), for manual and automatic reprocessing and autoclaving, 4.5 m (1x) |

* Including one double foot switch

** Required for the automatic mist and smoke evacuation function

Connection Options

ESG-400 Sockets



| | |
|--------------------------|---|
| Monopolar | 2 × 3-pin (Ø 4 mm), international standard |
| | 1 × 1-pin (Ø 8 mm), Bovie standard |
| | 1 × coaxial (Ø inner 5 mm / Ø outer 9 mm), Erbe standard |
| Bipolar | 1 × 2-pin (Ø 4 mm, pin spacing 28.8 mm), international standard |
| | 1 × coaxial (Ø inner 4 mm / Ø outer 8 mm), Erbe standard |
| Universal | 1 × 7-pin, Olympus standard |
| Neutral electrode | 2-pin standard, single, or split |

USG-400 Sockets



| | |
|----------|-------------|
| 1 | THUNDERBEAT |
| 2 | SONICBEAT |

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.



Ultrasonic Bipolar Generator

USG-410

Unique Hybrid Technology



USG-410

The world's first generator which can activate both ultrasonic and RF bipolar energy simultaneously in a single unit.

Connection Options

USG-410 Sockets

Integrated one dedicated socket for THUNDERBEAT and SONICBEAT which can recognize an instrument automatically.



Ordering Information

| Order Number | Product Description |
|--------------|--|
| N5993860 | USG-410 ultrasonic generator |
| N6009760 | Output verification adapter for USG-410 |
| N5995730 | Power cable EU for USG-410 |
| N6002730 | SONICBEAT footswitch connector for USG-410 |



THUNDERBEAT Unique Hybrid Technology

Unique Hybrid Technology



Olympus aims to provide innovative energy solutions delivering surgical safety and instrument versatility for efficient and streamlined operations with optimal patient outcomes. This is why Olympus developed the unique hybrid technology THUNDERBEAT for open and laparoscopic surgery. THUNDERBEAT is the world's first and only advanced energy system that delivers two well-established forms of energy to a tissue simultaneously:

- **Ultrasonic energy for superior dissection and fast tissue-cutting capability**
- **Advanced bipolar energy for fast and secure hemostasis for vessels up to and including 7 mm in diameter**

With the introduction of the new-generation THUNDERBEAT Type S, the unique concept of hybrid energy technology is raised to the next level. The development of the innovative Type S coating and the revolutionary safety system Intelligent Tissue Monitoring (ITM) enables an optimal temperature control and targeted application of energy for a safe and fast operation.

The new THUNDERBEAT Open Fine Jaw Type X comes with an extra isolation shield on the bipolar probe. The X shield limits the transmission of heat to the outside of the jaw and therefore provides optimal temperature control in open surgery.

System compatibility of THUNDERBEAT with the ESG-400 generator in combination with the USG-400 generator or exclusively with the USG-410 generator.





Ordering Information

| Order Number | Product Description | Article Code | Diameter | Length | Grip | Pieces |
|--------------|---------------------|--------------|----------|--------|------|--------|
|--------------|---------------------|--------------|----------|--------|------|--------|

THUNDERBEAT Instruments for Endoscopic Surgery

| | | | | | | |
|---------------------|--------------------|------------|------|-------|----------------|-------|
| EGTB-0535FCS | THUNDERBEAT Type S | TB-0535FCS | 5 mm | 35 cm | Front-actuated | 5/box |
| EGTB-0545FCS | THUNDERBEAT Type S | TB-0545FCS | 5 mm | 45 cm | Front-actuated | 5/box |
| N3810430 | THUNDERBEAT | TB-0535PC | 5 mm | 35 cm | Pistol | 5/box |

THUNDERBEAT Instruments for Open Surgery

| | | | | | | |
|-----------------|----------------------------------|------------|--------|-------|----------------|-------|
| N5423930 | THUNDERBEAT Type S | TB-0520FCS | 5 mm | 20 cm | Front-actuated | 5/box |
| N3810730 | THUNDERBEAT | TB-0520IC | 5 mm | 20 cm | Inline | 5/box |
| N3810830 | THUNDERBEAT | TB-0510IC | 5 mm | 10 cm | Inline | 5/box |
| N4505530 | THUNDERBEAT Open Extended Jaw | TB-0920OE | 9.7 mm | 20 cm | Front-actuated | 5/box |
| N4505730 | THUNDERBEAT Open Fine Jaw | TB-0009OF | | 9 cm | Scissor | 5/box |
| N5768330 | THUNDERBEAT Open Fine Jaw Type X | TB-009OFX | | 9 cm | Scissor | 5/box |

Generators and Accessories

| | | |
|-----------------|---|----------|
| WB91051W | ESG-400 electrosurgical generator | ESG-400 |
| N5428060 | USG-400 ultrasonic generator | USG-400 |
| N5993860 | USG-410 ultrasonic bipolar generator | USG-410 |
| N3808760 | Transducer for THUNDERBEAT | TD-TB400 |
| 026441 | Cleaning brush for transducer | MH-507 |
| N3809330 | Communication cable – short: 0.25 m | |
| N3809630 | Docking fixture | |
| WA95623A | Power cable UK plug, 4.5 m (1x) | |
| WA95621A | Power cable EU plug, 4.5 m (1x) | |
| A90223A | Cleaning adapter for hooks | |
| N2366530 | Cleaning adapter for scissors | |
| N2301000 | Cleaning brush for surfaces (all instruments) | |

Energy Carts and Accessories

| | |
|------------------|--|
| N3635730 | Energy Cart TC-E400 (ESG/USG-400) |
| K10030281 | EU, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030280 | UK, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030283 | OMEA, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030243 | Cable Hook |
| K10030244 | Footswitch Receiver Holder |
| K10030245 | Single Foot Switch Holder |
| K10030247 | Drawer Unit Rear Opening |

Optional Equipment

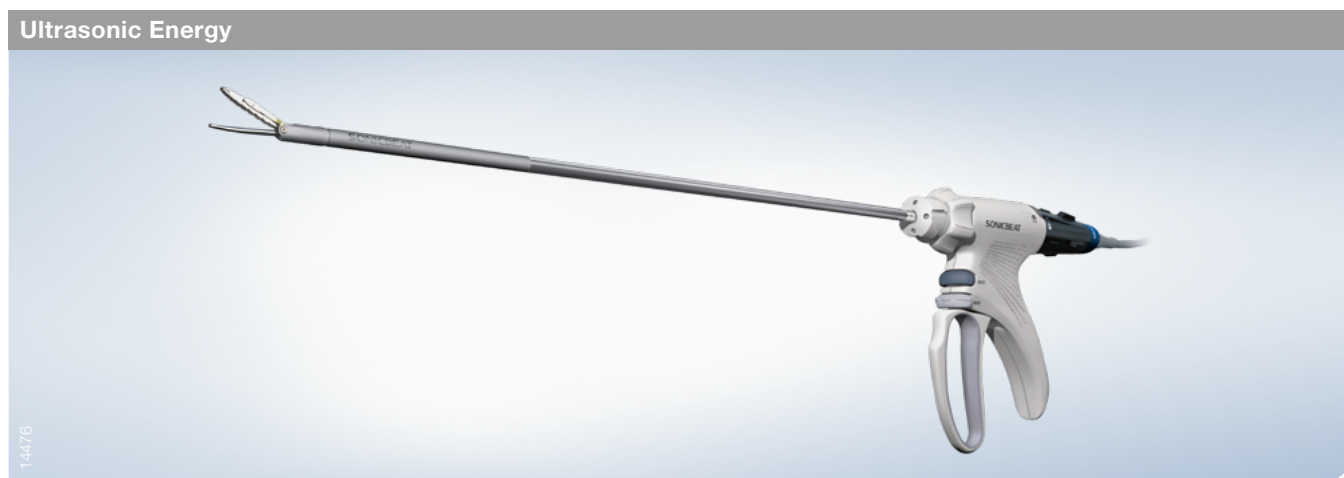
| | |
|-----------------|---|
| N3809230 | Foot switch for THUNDERBEAT |
| WB50403W | Foot switch, single (bipolar) pedal |
| N3809430 | Communication cable – long: 10 m |
| N3809530 | Adapter for the connection to UHI-3 or UHI-4 insufflator |
| WA99510A | Neutral electrode cable (reusable), for manual and automatic reprocessing and autoclaving, 4.5 m (1x) |

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.



SONICBEAT

Ultrasonic Energy



SONICBEAT is based on the design of Olympus' THUNDERBEAT in order to meet the aim of steadily developing ergonomic and multipurpose instruments for open and laparoscopic surgery. In contrast to THUNDERBEAT, SONICBEAT operates with ultrasonic energy only.

In direct combination with the USG-410 generator, the latest SONICBEAT technology harnesses ultrasonic energy for the highest level of precision and safe application. Respecting anatomic layers, SONICBEAT provides the finest dissection as well as simultaneous cutting and consistent sealing of 5.0 mm vessels, at the lowest level of lateral thermal spread.

System compatibility of SONICBEAT with the the USG-410 generator.





Ordering Information

| Order Number | Product Description | Article Code | Diameter | Length | Grip | Pieces |
|---|--|--------------|----------|--------|----------------|--------|
| SONICBEAT Instruments for Endoscopic Surgery | | | | | | |
| N5390430 | SONICBEAT | SB-0535FC | 5 mm | 35 cm | Front-actuated | 5/box |
| N5390630 | SONICBEAT | SB-0545FC | 5 mm | 45 cm | Front-actuated | 5/box |
| SONICBEAT Instruments for Open Surgery | | | | | | |
| N5390830 | SONICBEAT | SB-0520FC | 5 mm | 20 cm | Front-actuated | 5/box |
| Generators and Accessories | | | | | | |
| N3808860 | Transducer for SONICBEAT | TD-SB400 | | | | |
| 026441 | Cleaning brush for transducer | MH-507 | | | | |
| N5428060 | USG-400 ultrasonic generator | USG-400 | | | | |
| N5993860 | USG-410 ultrasonic bipolar generator | USG-410 | | | | |
| WA95623A | Power cable UK plug, 4.5 m (1x) | | | | | |
| WA95621A | Power cable EU plug, 4.5 m (1x) | | | | | |
| Energy Carts and Accessories | | | | | | |
| N3635730 | Energy Cart TC-E400 (ESG/USG-400) | | | | | |
| K10030281 | EU, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V | | | | | |
| K10030280 | UK, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V | | | | | |
| K10030283 | OMEA, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V | | | | | |
| K10030243 | Cable Hook | | | | | |
| K10030244 | Footswitch Reciever Holder | | | | | |
| K10030245 | Single Foot Switch Holder | | | | | |
| K10030247 | Drawer Unit Rear Opening | | | | | |
| Optional Equipment | | | | | | |
| N3809130 | Foot switch for SONICBEAT | | | | | |
| N3809530 | Adapter for the connection to UHI-3 or UHI-4 insufflator | | | | | |
| N6002730 | SONICBEAT Footswitch Connector for USG-410 | | | | | |

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

SonoSurg Ultrasonic Energy

Ultrasonic Surgery



SonoSurgX Ultrasonic Instruments

Thanks to the fully reusable, autoclavable instruments SonoSurg offers an excellent price–performance ratio. The system enables a very precise dissection and controlled energy delivery for reliable cutting and coagulation in laparoscopic and open procedures of various surgical disciplines like general surgery, gynecology, and urology.



SonoSurg Ultrasonic Aspirators

The SonoSurg ultrasonic aspirator comprised of the IU irrigation unit* and KV-6 suction pump is a compact, high-powered system ensuring efficient ultrasound aspiration and coagulation. The system offers a wide selection of autoclavable probes to suit your needs in open and laparoscopic surgery.

System Compatibility of SonoSurg Devices with the SonoSurg G2 Generator

The SonoSurg G2* is a multifunctional ultrasonic generator enabling the use of cost-efficient reusable instruments available for open and endoscopic surgery. For a clear view during endoscopic procedures through automatic mist and smoke evacuation the SonoSurg system can be combined with the UHI-3 or UHI-4 insufflators.

* Please note that the IU irrigation unit and the SonoSurg G2 generator are no longer available.





Ordering Information

| Order Number | Product Description | Article Code | Diameter | Length | Grip | Tip Design |
|---|---------------------------------|--------------|----------|---------|--------|------------|
| SonoSurgX Instruments for Endoscopic Surgery | | | | | | |
| N2643660 | SonoSurgX scissor | T3771 | 5 mm | 34 cm | Pistol | Straight |
| N2643960 | SonoSurgX scissor (HF) | T3900 | 5 mm | 34 cm | Pistol | Straight |
| N2643760 | SonoSurgX scissor | T3775 | 5 mm | 34 cm | Pistol | Curved |
| N2644060 | SonoSurgX scissor (HF) | T3905 | 5 mm | 34 cm | Pistol | Curved |
| N2644160 | SonoSurgX scissor (HF) | T3910 | 5 mm | 34 cm | Inline | Straight |
| N2644260 | SonoSurgX scissor (HF) | T3915 | 5 mm | 34 cm | Inline | Curved |
| N2643860 | SonoSurgX scissor | T3795 | 5 mm | 45 cm | Pistol | Curved |
| SonoSurg Instruments for Endoscopic Surgery | | | | | | |
| N2301160 | SonoSurg scissor | T3071 | 5 mm | 35.7 cm | Pistol | Straight |
| N2301460 | SonoSurg scissor (HF) | T3100 | 5 mm | 34 cm | Pistol | Straight |
| N2301260 | SonoSurg scissor | T3075 | 5 mm | 34 cm | Pistol | Curved |
| N2301560 | SonoSurg scissor (HF) | T3105 | 5 mm | 34 cm | Pistol | Curved |
| N2301660 | SonoSurg scissor (HF) | T3110 | 5 mm | 34 cm | Inline | Straight |
| N2301760 | SonoSurg scissor (HF) | T3115 | 5 mm | 34 cm | Inline | Curved |
| N2301360 | SonoSurg scissor | T3095 | 5 mm | 45 cm | Pistol | Curved |
| A90208A | SonoSurg hook | T3060 | 5 mm | 33 cm | | |
| SonoSurgX Instruments for Open Surgery | | | | | | |
| N2644760 | SonoSurgX scissor (HF) | T3955 | 5 mm | 8.8 cm | Inline | Curved |
| N2644560 | SonoSurgX scissor (HF) | T3930 | 5 mm | 19 cm | Pistol | Straight |
| N2644660 | SonoSurgX scissor (HF) | T3935 | 5 mm | 19 cm | Pistol | Curved |
| N2644360 | SonoSurgX scissor (HF) | T3920 | 5 mm | 19 cm | Inline | Straight |
| N2644460 | SonoSurgX scissor (HF) | T3925 | 5 mm | 19 cm | Inline | Curved |
| SonoSurg Instruments for Open Surgery | | | | | | |
| N2302260 | SonoSurg scissor (HF) | T3155 | 5 mm | 8.8 cm | Inline | Curved |
| N2302060 | SonoSurg scissor (HF) | T3130 | 5 mm | 19 cm | Pistol | Straight |
| N2302160 | SonoSurg scissor (HF) | T3135 | 5 mm | 19 cm | Pistol | Curved |
| N2301860 | SonoSurg scissor (HF) | T3120 | 5 mm | 19 cm | Inline | Straight |
| N2301960 | SonoSurg scissor (HF) | T3125 | 5 mm | 19 cm | Inline | Curved |
| N1051930 | SonoSurg hook | T3080 | 5 mm | 11.3 cm | | |
| Aspirator for Endoscopic Surgery | | | | | | |
| N1806830 | Aspirator probe for T3330 (HF) | MH-125 | 7 mm | 43 cm | | Straight |
| N1807230 | Aspirator sheath, long | T3330 | | 45.8 cm | | Straight |
| Aspirator for Open Surgery | | | | | | |
| N1806630 | Aspirator probe for T3310 (HF) | MH-112 | 7 mm | 11.7 cm | | Straight |
| N1807030 | Aspirator sheath, short | T3310 | | 14.5 cm | | Straight |
| N1806730 | Aspirator probe for T3320 (HF) | MH-113 | 7 mm | 12.9 cm | | Angled |
| N1807130 | Aspirator sheath, angled | T3320 | | 15.3 cm | | Angled |
| N1806930 | SonoSurg attachment for sheaths | T3300 | | | | |

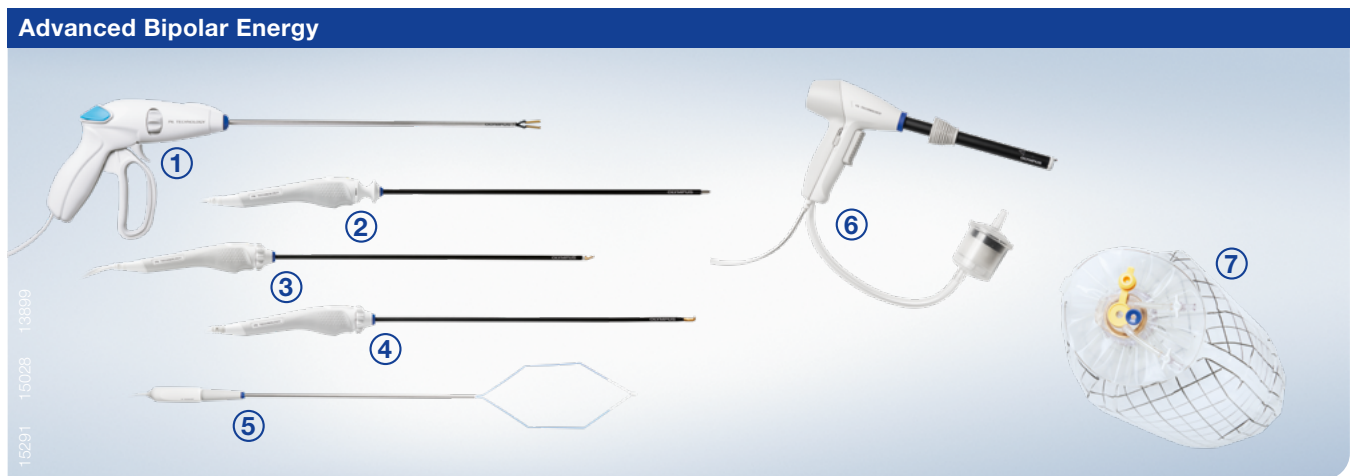
| Order Number | Product Description | Article Code |
|--|--|--------------|
| SonoSurg Instrument Accessories | | |
| A90205A | SonoSurg transducer with connecting cable | T2H |
| N1021430 | SonoSurg transducer without detachable MAJ-1121 connecting cable | T2H-C |
| N1021500 | Cable for T2H-C transducer | MAJ-1121 |
| A05952A | Instrument tray with lid for SonoSurg instruments | |
| N2367160 | SonoSurg hand switch | MAJ-677 |
| A90222A | Torque wrench | MAJ-1117 |
| 26441 | Cleaning brush for transducer | MH-507 |
| WA90214A | Cleaning brush for hook/scissor | MH-362 |
| A90223A | Cleaning adapter for hooks | MAJ-1118 |
| N2366530 | Cleaning adapter for scissors | MAJ-1532 |
| N2301000 | Cleaning brush for surfaces (all instruments) | MAJ-1534 |

| Order Number | Product Description | Article Code |
|------------------------------|--|--------------|
| Aspirator Accessories | | |
| N1807930 | Tubing set for suction/irrigation | MAJ-1099 |
| N1806430 | SonoSurg transducer without detachable MAJ-1121 connecting cable | T2L-GE-C |
| N1021500 | Cable for T2L-GE-C transducer | MAJ-1121 |
| A05952A | Instrument tray with lid for SonoSurg instruments | - |
| N1808130 | Cleaning rod for aspirator probe | MAJ-1178 |

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

PK TECHNOLOGY

Advanced Bipolar Energy



① PK Cutting Forceps ② PK Needle ③ PK Spatula ④ PK Hook ⑤ PK Lap Loop

⑥ PK Morcellator ⑦ PneumoLiner (only to be sold in the Nordic region and Switzerland)

PK TECHNOLOGY provides surgeons with the ability to seal, transect, coagulate, dissect, vaporize, resect, and mobilize tissue all with precision and control from one energy platform: the ESG-400 – a fully equipped, latest-generation HF generator that provides the PK TECHNOLOGY instruments with advanced bipolar energy. An auto-detection function and dedicated sealing and cutting modes for PK TECHNOLOGY instruments and other Olympus devices help simplify the OR workflow.

System compatibility of PK TECHNOLOGY with the ESG-400 generator.





Ordering Information

| Order Number | Product Description | Diameter | Length | Pieces |
|----------------------------------|---------------------|----------|--------|--------|
| PK TECHNOLOGY Instruments | | | | |
| EGPK-CF0533 | PK Cutting Forceps | 5 mm | 33 cm | 5/box |
| WA90300A | PK Lap Loop | 5 mm | 33 cm | 5/box |
| EGPK-NE0533 | PK Needle | 5 mm | 33 cm | 5/box |
| EGPK-JH0533 | PK J-Hook | 5 mm | 33 cm | 5/box |
| EGPK-SP0533 | PK Spatula | 5 mm | 33 cm | 5/box |

Contained Tissue Extraction System

| | |
|-----------------|--|
| WA90200A | PK Morcellator |
| WA90500A | PneumoLiner (only to be sold in the Nordic region and Switzerland) |

Generators and Accessories

| | |
|-----------------|-----------------------------------|
| WB91051W | ESG-400 electrosurgical generator |
| WA95623A | Power cable UK plug, 4.5 m (1x) |
| WA95621A | Power cable Europlug, 4.5 m (1x) |

Energy Carts and Accessories

| | |
|------------------|--|
| N3635730 | Energy Cart TC-E400 (ESG/USG-400) |
| K10030281 | EU, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030280 | UK, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030283 | OMEA, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030243 | Cable Hook |
| K10030244 | Footswitch Receiver Holder |
| K10030245 | Single Foot Switch Holder |
| K10030247 | Drawer Unit Rear Opening |

Optional Equipment

| | |
|-----------------|---|
| WB50403W | Foot switch, single (bipolar) pedal |
| N3809530 | Adaptor for the connection to UHI-3 or UHI-4 insufflator |
| WA99510A | Neutral electrode cable (reusable), for manual and automatic reprocessing and autoclaving, 4.5 m (1x) |

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.



EVEREST Bipolar Energy

Bipolar Energy



① **Everest LYONS**
Dissecting Forceps

② **Everest Bipolar**
Cutting Forceps

③ **Everest Macro-jaw**
and **Micro-jaw Forceps**

④ **Everest MOLLY**
Forceps

Everest Bipolar Products

The Everest Bipolar Products offer a wide range of instruments for precise tissue coagulation, transecting, dissection, grasping and mobilization. Bipolar technology reduces the hazards associated with monopolar electrosurgery, including alternate site burns, direct coupling, capacitive coupling, and insulation failure. It also minimizes lateral thermal spread. Bipolar coagulation is superior compared to monopolar electrosurgical technology and yields less collateral thermal damage.^{1,2}

System compatibility of Everest with the ESG-400 generator and other standard bipolar generators.



¹ Vilos, G.A. and Rakumar, C. Electrosurgical Generators And Monopolar and Bipolar Electrosurgery. Journal of Minimally Invasive Gynecology. 2013;20:279–287.

² Livaditis, G.J. Comparison Of Monopolar And Bipolar Electrosurgical Modes For Restorative Dentistry: A Review of the Literature. J Prosthetic Dentistry. 2001;86:390–399.



Ordering Information

| Order Number | Product Description | Diameter | Length |
|---|--|----------|--------|
| Everest Bipolar Cutting Forceps | | | |
| EG3005 | Everest cutting forceps | 5 mm | 33 cm |
| EG3006-020 | Everest cutting forceps, with cord | 5 mm | 33 cm |
| Everest LYONS Dissecting Forceps | | | |
| EG3700-000 | Everest LYONS dissecting forceps | 5 mm | 33 cm |
| EG3740-000 | Everest LYONS dissecting forceps | 5 mm | 45 cm |
| Everest MOLly Forceps | | | |
| EG3300-000 | Everest MOLly forceps | 3 mm | 33 cm |
| EG3330-000 | Everest MOLly forceps | 5 mm | 33 cm |
| EG3345-000 | Everest MOLly forceps | 5 mm | 45 cm |
| Everest Macro-Jaw and Micro-Jaw Forceps | | | |
| EG3600-000 | Everest Macro-jaw forceps | 5 mm | 33 cm |
| EG3640-000 | Everest Macro-jaw forceps | 5 mm | 45 cm |
| EG3601-000 | Everest Micro-jaw forceps | 5 mm | 33 cm |
| Everest Connector Cords For Standard Bipolar Generators* | | | |
| EGEC3999 | Fixed dual banana pin style cord to connect Everest devices to generators with standard banana pin receptacles | | |

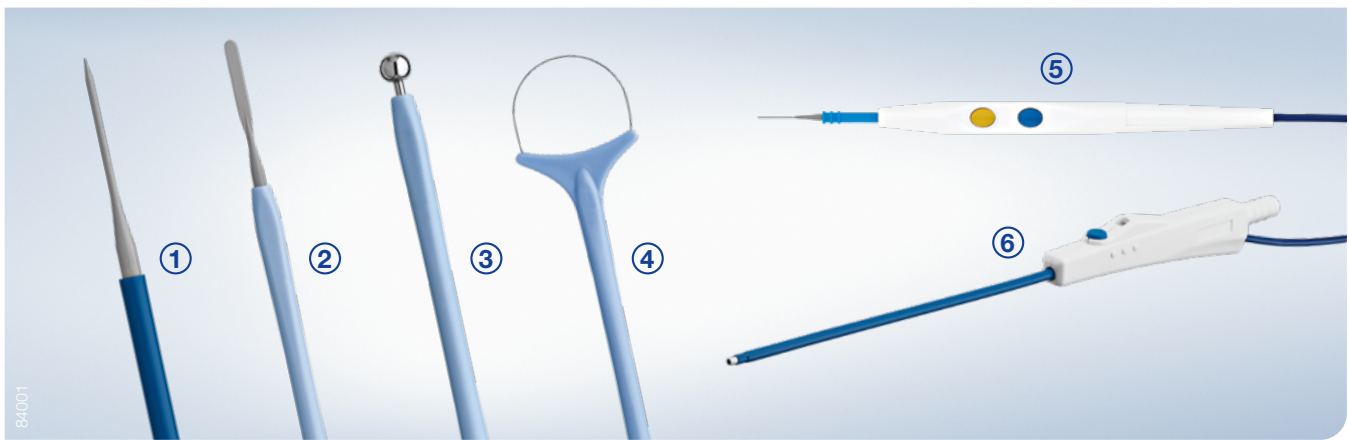
*Reusable, supplied non-sterile

All devices supplied sterile, single-use disposable, except for Everest connector cords.

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.



Electrosurgical High Frequency Devices Standard Mono- and Bipolar Energy



- ① Needle electrode
- ② Blade electrode
- ③ Ball electrode
- ④ Loop electrode
- ⑤ Electrosurgical pencil
- ⑥ Suction coagulator

The Olympus electrosurgical portfolio offers a wide range of electrosurgical instruments, including disposable monopolar electrodes, pencils and suction coagulators, reusable bipolar forceps and a number of different accessories. Featuring a lightweight, ergonomic design and flexible cable, the Olympus electrosurgical pencils are preloaded with high quality and economical nonstick (PTFE) or stainless steel blade electrodes. To provide even more choice and value for all of the surgeon's needs, a variety of nonstick and stainless steel electrodes in different lengths and tip styles is additionally offered.

System usable with the ESG-400 and other standard high frequency generators.



Electrosurgical High Frequency Devices



Ordering Information

| Order Number | Product Description | Size/Length/Diameter | Options | Pieces |
|--|---|----------------------|--|-------------|
| Disposable Monopolar Electrosurgical Electrodes | | | | |
| WA98510E | Electrode, blade | 2.75" | Coated | 10 pcs./box |
| WA98511E | Electrode, blade | 2.75" | Non-coated | 10 pcs./box |
| WA98520E | Electrode, blade | 2.75" | Coated, extended insulation | 10 pcs./box |
| WA98521E | Electrode, blade | 2.75" | Non-coated, extended insulation | 10 pcs./box |
| WA98530E | Electrode, blade | 4" | Coated | 10 pcs./box |
| WA98531E | Electrode, blade | 4" | Non-coated | 10 pcs./box |
| WA98540E | Electrode, blade | 4" | Coated, extended insulation | 10 pcs./box |
| WA98541E | Electrode, blade | 4" | Non-coated, extended insulation | 10 pcs./box |
| WA98550E | Electrode, blade | 6" | Coated | 10 pcs./box |
| WA98551E | Electrode, blade | 6" | Non-coated | 10 pcs./box |
| WA98560E | Electrode, blade | 6" | Coated, extended insulation | 10 pcs./box |
| WA98561E | Electrode, blade | 6" | Non-coated, extended insulation | 10 pcs./box |
| WA98610E | Electrode, needle | 2.75" | Coated | 10 pcs./box |
| WA98611E | Electrode, needle | 2.75" | Non-coated | 10 pcs./box |
| WA98620E | Electrode, needle | 2.75" | Coated, extended insulation | 10 pcs./box |
| WA98621E | Electrode, needle | 2.75" | Non-coated, extended insulation | 10 pcs./box |
| WA98630E | Electrode, needle | 4" | Coated | 10 pcs./box |
| WA98631E | Electrode, needle | 4" | Non-coated | 10 pcs./box |
| WA98640E | Electrode, needle | 4" | Coated, extended insulation | 10 pcs./box |
| WA98641E | Electrode, needle | 4" | Non-coated, extended insulation | 10 pcs./box |
| WA98650E | Electrode, needle | 6" | Coated | 10 pcs./box |
| WA98651E | Electrode, needle | 6" | Non-coated | 10 pcs./box |
| WA98660E | Electrode, needle | 6" | Coated, extended insulation | 10 pcs./box |
| WA98661E | Electrode, needle | 6" | Non-coated, extended insulation | 10 pcs./box |
| WA98830E | Electrode, ball | 2.75", 5 mm | Coated | 10 pcs./box |
| WA98840E | Electrode, ball | 2.75", 5 mm | Non-coated | 10 pcs./box |
| WA98810E | Electrode, ball | 5.38", 5 mm | Coated | 10 pcs./box |
| WA98820E | Electrode, ball | 5.38", 5 mm | Non-coated | 10 pcs./box |
| WA98950E | Electrode, loop | 10 x 10 mm | | 10 pcs./box |
| WA98951E | Electrode, loop | 15 x 10 mm | | 10 pcs./box |
| WA98952E | Electrode, loop | 20 x 10 mm | | 10 pcs./box |
| WA98953E | Electrode, loop | 20 x 15 mm | | 10 pcs./box |
| Disposable Monopolar Electrosurgical Pencils | | | | |
| WA98210B | Electrosurgical pencil | 3 m cable | Push button with coated blade | 50 pcs./box |
| WA98211B | Electrosurgical pencil | 3 m cable | Push button with non-coated blade | 50 pcs./box |
| WA98220B | Electrosurgical pencil | 3 m cable | Push button with coated blade, holster | 30 pcs./box |
| WA98221B | Electrosurgical pencil | 3 m cable | Push button with non-coated blade, holster | 30 pcs./box |
| WA98230B | Electrosurgical pencil | 3 m cable | Push button with coated high insulation blade, holster | 30 pcs./box |
| WA98231B | Electrosurgical pencil | 4.5 m cable | Push button with coated blade | 50 pcs./box |
| WA98210R | Electrosurgical pencil | 3 m cable | Rocker switch with coated blade | 50 pcs./box |
| WA98211R | Electrosurgical pencil | 3 m cable | Rocker switch with non-coated blade | 50 pcs./box |
| WA98220R | Electrosurgical pencil | 3 m cable | Rocker switch with coated blade, holster | 30 pcs./box |
| WA98221R | Electrosurgical pencil | 3 m cable | Rocker switch with non-coated blade, holster | 30 pcs./box |
| WA98230R | Electrosurgical pencil | 3 m cable | Rocker switch with coated high insulation blade, holster | 30 pcs./box |
| WA98231R | Electrosurgical pencil | 4.5 m cable | Rocker switch with coated blade | 50 pcs./box |
| WA98210F | Electrosurgical pencil | 3 m cable | Foot control with coated blade | 50 pcs./box |
| WA98211F | Electrosurgical pencil | 3 m cable | Foot control with non-coated blade | 50 pcs./box |
| WA98220F | Electrosurgical pencil | 3 m cable | Foot control with coated blade, holster | 30 pcs./box |
| WA98221F | Electrosurgical pencil | 3 m cable | Foot control with non-coated blade, holster | 30 pcs./box |
| Disposable Smoke Evacuation | | | | |
| WA98192S | OR-VAC monopolar electrosurgical pencil adapter | 22 mm | | 20 pcs./box |

Electrosurgical High Frequency Devices



Ordering Information

| Order Number | Product Description | Size/Length/Diameter | Options | Pieces |
|---|---|----------------------|---------------|--------------|
| Disposable Monopolar Suction Coagulators | | | | |
| WA98410C | Suction coagulator | 8 Fr | Hand switch | 15 pcs./box |
| WA98420C | Suction coagulator | 10 Fr | Hand switch | 15 pcs./box |
| WA98430C | Suction coagulator | 12 Fr | Hand switch | 15 pcs./box |
| WA98411C | Suction coagulator | 8 Fr | Foot control | 15 pcs./box |
| WA98421C | Suction coagulator | 10 Fr | Foot control | 15 pcs./box |
| WA98431C | Suction coagulator | 12 Fr | Foot control | 15 pcs./box |
| Disposable Neutral Electrodes | | | | |
| WA99512C | Neutral electrode, for newborns | | With cable | 15 pcs./box |
| WA99513A | Neutral electrode, for children | | Without cable | 100 pcs./box |
| WA99513C | Neutral electrode, for children | | With cable | 15 pcs./box |
| WA99514A | Neutral electrode, for adults | | Without cable | 100 pcs./box |
| WA99514C | Neutral electrode, for adults | | With cable | 15 pcs./box |
| WA99516A | Neutral electrode, universal size | | Without cable | 100 pcs./box |
| WA99516C | Neutral electrode, universal size | | With cable | 15 pcs./box |
| WA99510A | Cable, for neutral electrode, suitable for manual and automatic reprocessing and autoclaving* | 4.5 m | | 1 pc./box |
| Reusable Bipolar Electrosurgical Devices | | | | |
| WB990038 | Bipolar forceps angled | 180 mm | | 1 pc./box |
| WB990041 | Bipolar forceps bayonet | 200 mm | | 1 pc./box |
| WB990037 | Bipolar cable | 3 m | | 1 pc./box |
| Disposable Accessories | | | | |
| WA98200A | Tip cleaner | 48 x 48 mm | | 50 pcs./box |
| WA98300A | Holster | | | 12 pcs./box |

*Reusable

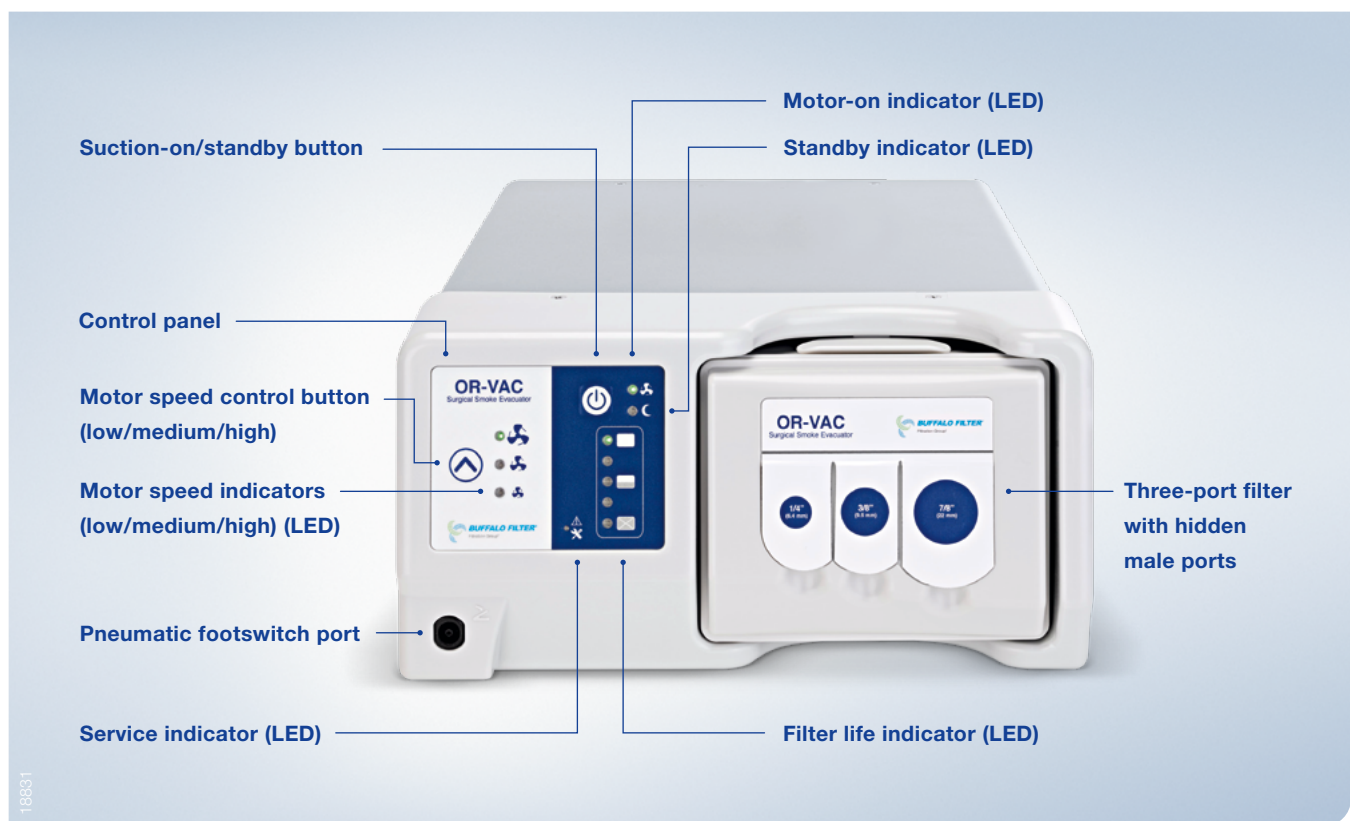
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OR-VAC Surgical Smoke Evacuator



The OR-VAC surgical smoke evacuator provides ideal smoke management for operating rooms, physicians' offices, and outpatient surgery centers. The OR-VAC minimizes exposure to these toxic smoke biohazards during electrosurgery, procedures with lasers, and ultrasound tissue dissections. It combines variable filter life, a compact design, and three-port filter with filter-life-tracking technology.



Ordering Information

| Order Number | Reference Number* | Product Description |
|--------------|-------------------|---|
| WA98110A | HYVV220 | OR-VAC surgical smoke plume evacuator, 220/240 V |
| WA98115A | FOWV220 | OR-VAC surgical smoke plume evacuator, 220/240 V, with exhaust capture port |
| WA98120A | OL3532 | OR-VAC filter, 2/box |
| WA98130A | OLLAP12 | OR-VAC laparoscopic smoke evacuation tube, 12/box |
| WA98160A | OL3MT24 | OR-VAC open smoke evacuation tube, 24/box |
| WA98140A | OLSONIC | OR-VAC adapter for automatic activation |
| WA98150A | OLPRFIL20 | OR-VAC fluid trap, 20/box |
| WA98170A | OLPWRCORDUKM | Power cord, UK |
| N3647400 | - | Communication cable, length 0.7 m |
| N3647600 | - | Communication cable, length 1.8 m |
| N3809430 | - | Communication cable, length 10 m |

Energy Carts and Accessories

| | | |
|-----------|---|--|
| K10030281 | - | EU, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030280 | - | UK, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030283 | - | OMEA, Energy Cart TC E410 (USG-410/OR-VAC), 220-240V |
| K10030243 | - | Cable Hook |
| K10030244 | - | Footswitch Receiver Holder |
| K10030245 | - | Single Foot Switch Holder |
| K10030247 | - | Drawer Unit Rear Opening |

Specifications

| | |
|-------------|-----------------------------------|
| Dimensions | 15.2 (H) × 27.9 (W) × 39.4 (D) cm |
| Weight | 5.0 kg |
| Noise Level | 55.0 dB A (max.) |

Flow Settings

| Standard Tube ID | Liters per Minute |
|------------------|-------------------|
| 22 mm | 708* |
| 9.5 mm | 130 |
| 6.4 mm | 57 |

* Using new 22 mm tubing

** If TC-E400 is not suitable and an additional cart is needed

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.



Dedicated HF Generators For ENT, Gastrointestinal and Respiratory



ESG-200

CELON ELITE is a radiofrequency-based power control unit that incorporates multiple functions into a single device. The intelligent tissue monitoring allows precise and safe tissue ablation for a variety of ENT indications.

Specifications

Areas of Application ENT, Head and Neck

Special Features

- Touch screen
- Personalized settings
- Radiofrequency-induced thermotherapy (RFITT)

| Sockets | Bipolar output | Monopolar output |
|---------|---|---|
| | Olympus standard 2-pin plug (28 mm) | International standard 3-pin plug (4 mm diameter) |
| | Erbe standard 1-pin coaxial plug | Bovie standard* 1-pin plug (8 mm diameter) |
| | | Erbe standard** 1-pin plug (5 mm diameter) |
| | | Banana plug 1-pin plug (4 mm diameter) |

Max. Power Output 120 watts



ESG-300

The ESG-300 is a high-end HF generator dedicated to advanced gastrointestinal and respiratory procedures such as POEM or ESD. The ESG-300 can be combined with the APU-300 for argon plasma applications.

Specifications

Areas of Application Gastrointestinal and respiratory

Special Features

- Touch screen
- Wireless foot switch
- Personalized settings
- Argon PLASMA ready (in combination with APU-300)

| Sockets | Bipolar output | Monopolar output |
|---------|---|---|
| | International standard 2-pin plug (22 mm) | International standard 3-pin plug (4 mm diameter) |
| | Erbe standard 1-pin coaxial plug | Bovie standard 1-pin plug (8 mm diameter) |
| | | Banana plug 1-pin plug (4 mm diameter) |

Max. Power Output 120 watts



Ordering Information

CELON ELITE (ESG-200)

| Order Number | Product Description |
|-----------------|---|
| WA90001A | CELON ELITE "Type E", (incl. double-pedal foot switch) |
| WA90002A | CELON ELITE "Type B", (incl. double-pedal foot switch) |
| WA95621A | Power cable, EU, 4.5 m with angled plug |
| WA95622A | Power cable, US, 4.5 m with angled plug |
| WA95623A | Power cable, UK, 4.5 m with angled plug |
| WB50402W | Double-pedal foot switch |
| WA99510A | Neutral electrode cable (reusable), for manual and automatic reprocessing and autoclaving, 4.5 m (1x) |
| WB990007 | CelonProBreath |
| WB990008 | CelonProSleep Plus |
| WB990278 | CELON ELITE ProCut Handpiece |
| WB990177 | CelonProCut Electrode (5 pcs/box) |
| WB990202 | CelonProCut Gripping Forceps |

ESG-300

| Order Number | Product Description |
|------------------|---|
| WA90003W | ESG-300 electrosurgical generator |
| WA90004W | APU-300 argon plasma unit |
| WA94034W | Wireless foot switch incl. receiver and charger |
| WA94033C | Wired foot switch, 4 m cable |
| K10026806 | TC-E300 (EU) system cart, for most European countries |
| K10026805 | TC-E300 (UK) system cart, UK standard |
| A02915A | MAJ-860 active cord for ET instruments, 8 mm |
| E0427213 | MAJ-814 connecting cable for disposable neutral electrode |
| E0427245 | MAJ-897 split neutral electrode, disposable, 10 pcs |
| WA94041A | Pressure reducer, DIN 477-6, central and southern Europe |
| WA94042A | Pressure reducer, DIN 477-10, northern Europe |
| WA94043A | CGA no. 580, Italy |

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.



HICURA & HIQ+ Monopolar and Bipolar Hand Instruments



HICURA is the new generation of laparoscopic hand instruments that follows the HIQ+ line. Modular system comprising a wide range of product offerings with different lengths, shafts, handles, and jaws to accommodate surgeons' needs. The three-part design enables individual replacement of worn components. The system contains no spare parts that might get lost which turns HICURA into a smart solution for every OR.

- **Adapted handle design for grasping and dissection forceps.**
- **Ergonomic Size M and Size L handles available.**
- **Intuitive and easy assembly and disassembly thanks to acoustic "click" feedback.**
- **Modular, exchangeable and cost-effective system.**

For detailed ordering information please refer to the OSTE catalog:

[▶ OSTE Catalog](#)

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