Surgical Tissue Management System
Electrosurgical Generator
ESG-400
For Urological Applications
ESG-400: THE FUTURE IN UROLOGY

THE ESG-400 IS EASY TO USE AND OFFERS EXCELLENT PERFORMANCE WITH MAXIMUM PATIENT SAFETY

CONSOLIDATE YOUR FLEET OF HF GENERATORS – THE ESG-400 DOES IT ALL
The new ESG-400 supports you in your urology suite with intuitive touchscreen, specialized modes and high performance with tissue-adaptive power output.

Take your TURis to the next level with ESG-400
• Work more efficiently with continuous plasma activation
• Work faster with the large loop due to improved ignition
• Apply only the power that you need with tissue-adaptive power output

THE MOST VERSATILE SURGICAL TISSUE MANAGEMENT TECHNOLOGY

RESECTION
Start with resection. Get to know the system. Feel comfortable with the procedure.

VAPORIZATION
Move on to vaporization using the unique family of PlasmaButton™ electrodes.

ENUCLEATION
With experience add enucleation to your procedural portfolio.

Excellent Performance
• Tissue-adaptive power output applies the optimal amount of energy
• Helps you cut quickly, cleanly and precisely

Easy to use
• Choose your settings easily via touchscreen
• Plug and play with instrument recognition at the UNIVERSAL socket

Wide application range
• Perform open, laparoscopic and endoscopic surgery procedures

Maximum patient safety
• Automatic saline detection makes sure that you are using the correct fluid
**ESG-400**

WB91051W HF unit "ESG-400", 100–120 V / 220–240 V

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**Technical Data**

Dimensions
- Size: 370 W × 465 D × 156 H mm
- Weight: 12.5 kg

Power supply
- Voltage range: 100–120 V / 220–240 V
- Frequency: 50/60 Hz
- Maximum input power: 1500 VA
- Power fuse: 10 A (only FST-series from Schurter)
- Terminal for potential equalization: Yes

Output
- High frequency functions: Monopolar, Bipolar
- High frequency: 430 kHz ± 20%
- Maximum high frequency power: 320 W
- All modes: 25 % duty cycle
- RFCoag: 100 % duty cycle (with or without RCAP)

Sockets
- **MONOPOLAR**
  - 2 x 3-pin (Ø 4 mm), International standard,
  - 1 x 1-pin (Ø 8 mm), Bovie standard,
  - 1 x coaxial (Ø inner 5 mm / Ø outer 9 mm), Erbe standard
- **BIPOLAR**
  - 1 x 2-pin (Ø 4 mm, pin spacing 28.8 mm), International standard,
  - 1 x coaxial (Ø inner 4 mm / Ø outer 8 mm), Erbe standard
- **UNIVERSAL**
  - 1 x 7-pin, Olympus standard
- Neutral electrode
- 2-pin standard, single or split

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**Energy Cart**

TC-E400 Energy cart

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Instrument compatibility
- USG-400, ESG-400, MAJ-1869, MAJ-1870, WB950356, WB950355

Do not place any device other than specified by Olympus on the shelves.

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**TURis Working Elements**

WA22366A Working element, active

WA22367A Working element, passive

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**Monopolar Working Elements**

WA220066A Working element, active

WA220067A Working element, passive

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**HF Cables**

WA00014A HF cable, bipolar, 4 m, for ESG-400

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**TURis HF-Resection Electrodes**

WA22301D HF-resection electrode, loop, 12°, small

WA22302D 12°, medium

WA22503D 12°, large

WA22305D 30°, small

WA22306D 30°, medium

WA22507D 30°, large

WA22521C HF-resection electrode, band, medium, 12°

WA22523C medium, 30°

WA22557C HF-resection electrode "PlasmaButton™", button, for plasma vaporization, 12° and 30°

WA22558C HF-resection electrode, angled loop, for TUEB "Transurethral Enucleation", 12° and 30°

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**Monopolar HF-Resection Electrodes**

WA0391 for UES-10/-20, Valleylab (old)

WA0392 for Erbe T series, Martin, Berchtold

WA0393 for UES-30/-40, Erbe Int., Valleylab (new)

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**Monopolar HF-Resection Electrodes**

WA02201C HF-resection electrode, loop, 12°, 0.35 wire

WA02201D 12°, 0.2 wire

WA02205C 30°, 0.35 wire

WA02205D 30°, 0.2 wire

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**Monopolar HF-Resection Electrodes**

WA02251A 12° and 30°

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**Monopolar HF-Resection Electrodes**

WA02255A HF-resection electrode, 45° needle, 12° and 30°

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**Monopolar HF-Resection Electrodes**

WA02211C 12°

WA02259C 30°