

OLYMPUS

Your Vision, Our Future

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

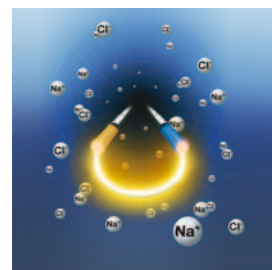
The new ESG-400 supports you in your urology suite with intuitive touchscreen, specialized modes and high performance with tissue-adaptive power output.

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

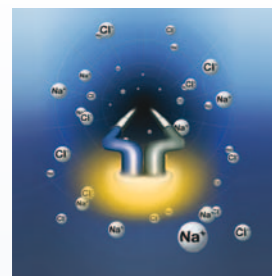
THE MOST VERSATILE SURGICAL TISSUE MANAGEMENT TECHNOLOGY

RESECTION



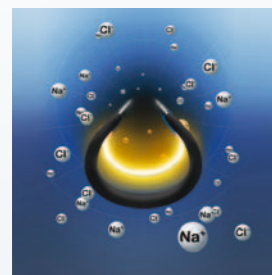
Start with resection. Get to know the system. Feel comfortable with the procedure.

VAPORIZATION



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

ENUCLEATION



With experience add enucleation to your procedural portfolio.

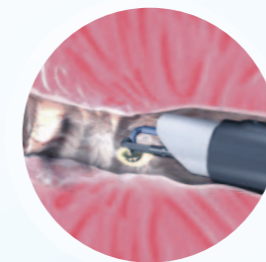
Resection
Large loop
electrode



Vaporisation
PlasmaButton™
electrode



Enucleation
TUEB electrode



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

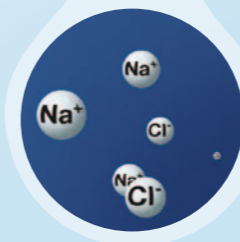


Wide application range

- Perform open, laparoscopic and endoscopic surgery procedures

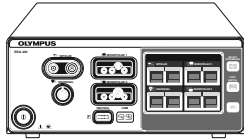
Maximum patient safety

- 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



Technical Data

Dimensions

Size370 W x 465 D x 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 frequency430 kHz ± 20 %
Maximum high frequency power320 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

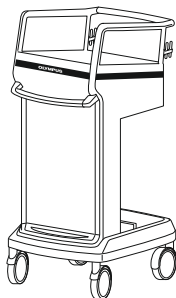
BIPOLAR
1 x 2-pin (Ø 4 mm, pin spacing 28.8 mm),
International standard,
1 x coaxial (Ø inner 4 mm / Ø outer 8 mm),
Erbe standard

UNIVERSAL
1 x 7-pin, Olympus standard

Neutral electrode
2-pin standard, single or split

Energy Cart

TC-E400 Energy cart



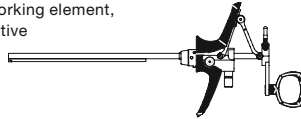
Instrument compatibility

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

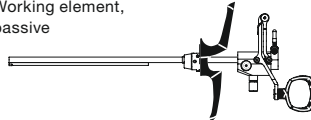
Do not place any device other than
specified by Olympus on the shelves.

TURis Working Elements

WA22366A Working element,
active

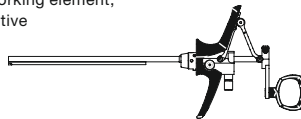


WA22367A Working element,
passive

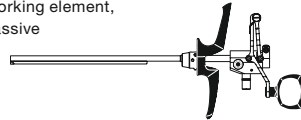


Monopolar Working Elements

WA22066A Working element,
active

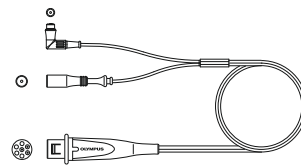


WA22067A Working element,
passive



HF Cables

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



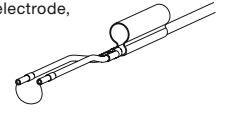
HF cable,
monopolar,
4 m,

A0391 for UES-10/-20, Valleylab (old)
A0392 for Erbe T series, Martin, Berchtold
A0393 for UES-30/-40, Erbe Int., Valleylab (new)

TURis HF-Resection Electrodes

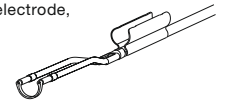
HF-resection electrode,
loop,

WA22301D 12°, small
WA22302D 12°, medium
WA22503D 12°, large
WA22305D 30°, small
WA22306D 30°, medium
WA22507D 30°, large

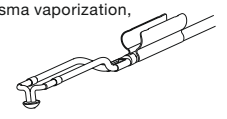


HF-resection electrode,
band,

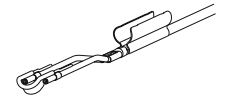
WA22521C medium, 12°
WA22523C medium, 30°



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



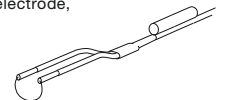
WA22558C HF-resection electrode,
angled loop,
for TUEB "Transurethral Enucleation",
12° and 30°



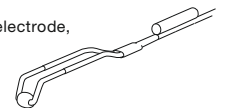
Monopolar HF-Resection Electrodes

HF-resection electrode,
loop,

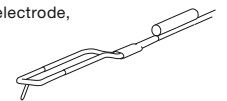
A22201C 12°, 0.35 wire
A22201D 12°, 0.2 wire
A22205C 30°, 0.35 wire
A22205D 30°, 0.2 wire



HF-resection electrode,
roller,
A22251A 12° and 30°



HF-resection electrode,
45° needle,
A22255A 12° and 30°



HF-resection electrode,
loop, runner,
A22211C 12°
A22259C 30°

