

Endoscopic Enucleation and Morcellation from KARL STORZ

All from a single source



Endoscopic Enucleation of the Prostate (EEP)

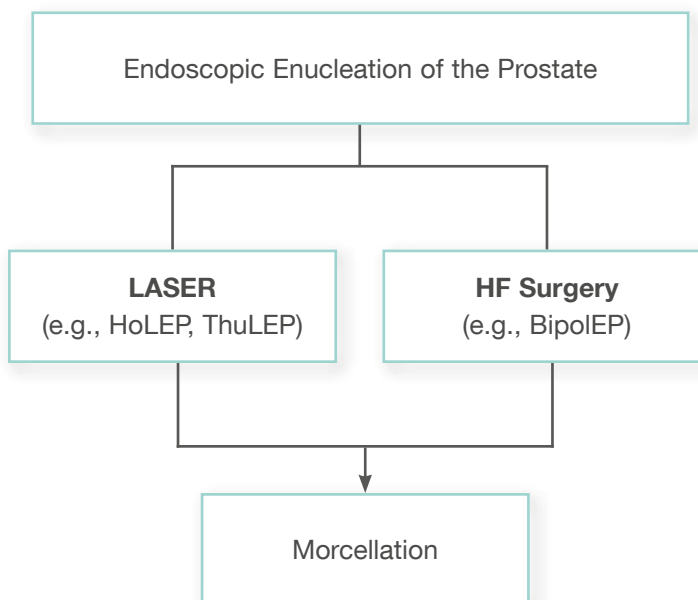
Instruments for all endoscopic enucleation techniques – “everything from a single source”

Treatment of benign prostate syndrome (BPS) is one of the most important fields of treatment in endourology. In the last 20 years, various OR techniques for transurethral endoscopic enucleation have been developed and implemented in the market. Endoscopic enucleation of the prostate (EEP) competes with the classic method of open adenoma enucleation as well as the gold standard, transurethral resection of the prostate (TUR-P).

In a publication of the EAU Guidelines in 2016, laser enucleation (e.g., HoLEP) and bipolar enucleation are grouped under enucleation of the prostate (EEP). Similar to classical transurethral resection, EEP is thus regarded as a treatment of choice for benign prostate syndrome (BPS).

To meet the requirements of this development, KARL STORZ presents variable configuration possibilities which enable you to perform both laser and HF-based applications using one basic instrument.

KARL STORZ provides you with a flexible system for all techniques and energy sources and, at the same time, expands its product line for enucleation with effective instrumentation for the removal of prostate tissue following enucleation.



Laser Enucleation and Bipolar Enucleation Formed Under the Acronym EEP

KARL STORZ concept conforming to EAU guidelines

The European Association of Urology (EAU) recommends various OR techniques in accordance with the size of the prostate. The “EAU Guidelines on the Management of Non-neurogenic Male Lower Urinary Tract Symptoms (LUTS), incl. Benign Prostatic Obstruction (BPO)” recommends endoscopic enucleation of the prostate (EEP) as the treatment of choice for significant enlargement of prostate adenoma (e.g., > 80 ml) as well as moderate to severe LUTS, whereby the choice of energy source is a secondary matter.

In line with these guidelines, KARL STORZ offers you a highly flexible, basic system that provides both ideal and economic prerequisites for performing the enucleation technique of your choice.

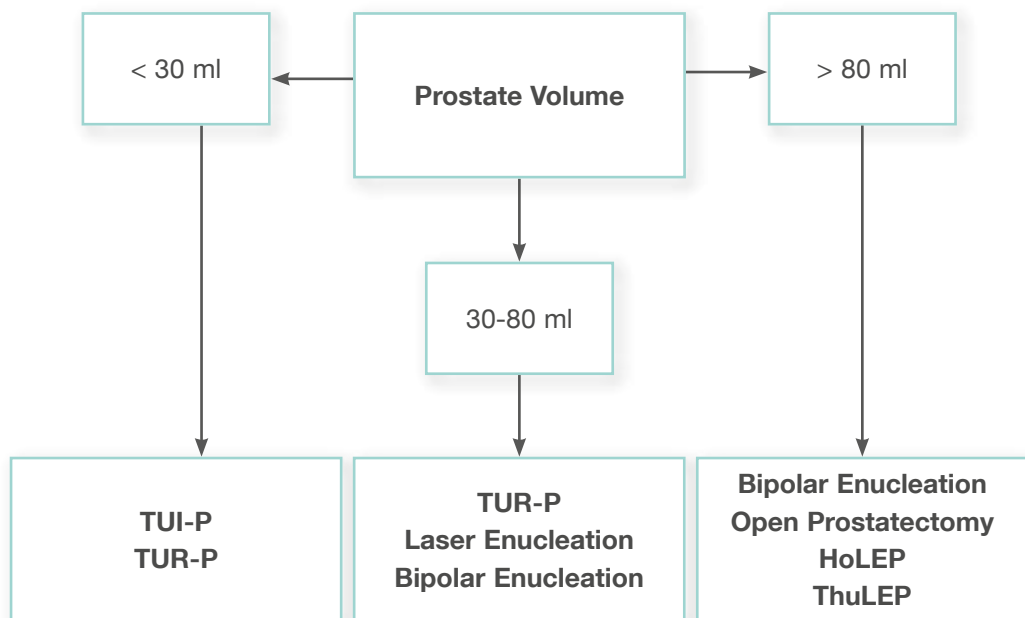


Diagram based on the European Association of Urology (EAU) Guidelines from 2016

Customized Concept for all Requirements

Compatible system for endoscopic enucleation of the prostate

Standard Instruments

The standard instruments for performing endoscopic enucleation of the prostate correspond to those used for resection – telescopes, sheaths and obturators are identical for both procedures – only the working element used is different depending on the technique used. Instrumentation for EEP can therefore be conveniently adapted to your existing product portfolio.

The compatibility of our sheaths makes a fast changeover to the morcellator system possible (no need to exchange sheaths). This reduces mechanical stress on the urethra and sphincter; the changeover is faster; and the entire procedure is more gentle on the patient.

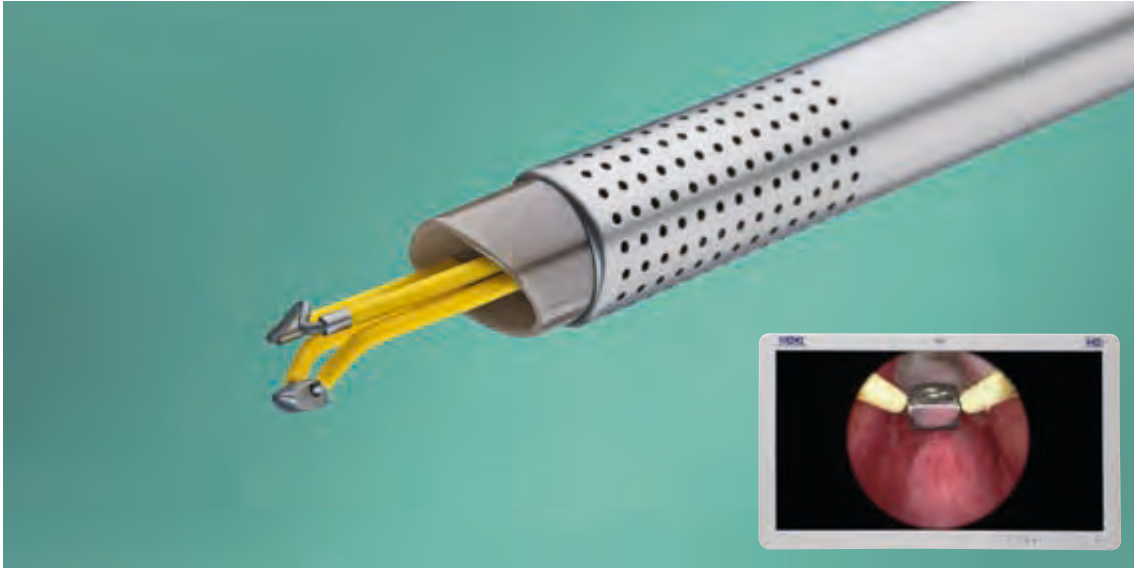
Instruments for Laser Enucleation

KARL STORZ offers various instruments for laser enucleation. In addition to the classic KUNTZ laser working element, a modular working element with exchangeable guide inserts for laser probes can be used. Exchangeable laser probes allow the instrument to be optimally adapted to the diameter of the laser fiber used. The outcome is precise guidance and fixation of the laser fiber for optimal OR conditions. The laser probes of the modular working element are optionally available with retracting beaks. These hold back the prostate tissue and guarantee a clear view during enucleation.

Instruments for HF Enucleation

Bipolar enucleation is the most cost-effective entry to EEP as no acquisition or service costs are necessary for laser and the same working element is used as in bipolar resection. The passive working element in conjunction with the bipolar enucleation electrode permits mechanical-anatomical enucleation with excellent resection, coagulation and vaporization properties combined in one instrument. The flat cuneiform electrode head, which protrudes slightly over the sheath, allows purely mechanical detachment of the inner prostate gland from the outer gland (surgical capsule) thereby reducing manipulation with the sheath and pressure on the urethra. The optimal electrode design allows, under the effect of the HF current, precise incisions at sites with adhesions between the inner and outer glands. Furthermore, excellent vaporization properties permit excellent smoothing of the tissue.





A physician's opinion on the bipolar vapo-enucleation electrode

The new HERRMANN bipolar vapo-enucleation electrode for mechanical anatomical enucleation of the prostate is a successful combination between a vaporization electrode and a mechanical dissection probe. The flat cuneiform probe allows detachment of the inner prostate gland (TI) from the outer gland (surgical capsule) through axial advancement of the electrode via the working element. This reduces the necessary mechanical stress on the urethra. Detachment of the interior prostate gland by means of mechanical ablation allows anatomically correct dissection under visual control. The excellent coagulation and vaporization properties of the electrode ensure good hemostasis and precise dissection in areas with adhesions between the interior and exterior prostate glands. In areas that require dissection, e.g. anterior fibromuscular stroma, the excellent vaporization properties of the electrode permit convenient smoothing of the wound base. Thanks to its mechanical stability, the probe can be used up to five times on medium-sized adenoma without compromising effectiveness.

Conclusion

The new HERRMANN electrode for bipolar vapo-enucleation is a convenient multi-use probe for the anatomical enucleation of the prostate. Experience to date shows that the electrode is just as effective for anatomical (mechanical) enucleation as laser enucleation (HoLEP, ThuLEP). The only difference is that the electrode uses bipolar energy as an energy source for dissection (cutting) and coagulation rather than laser. The new vapo-enucleation electrode has the potential to provide a global response to the trend towards transurethral, cost-effective enucleation.

*Prof. Dr. med. Thomas R. W. Herrmann, Department of Urology,
Spital Thurgau AG, Switzerland*

*Development partner of KARL STORZ for the
bipolar VapoEnucleation Electrode (27040 VE)*

To view the
application video, please
scan the QR code



Morcellator System for Urology

Efficient removal of the prostate tissue

With the morcellator system, KARL STORZ has expanded its product line for enucleation with effective instrumentation for the removal of prostate tissue following enucleation.

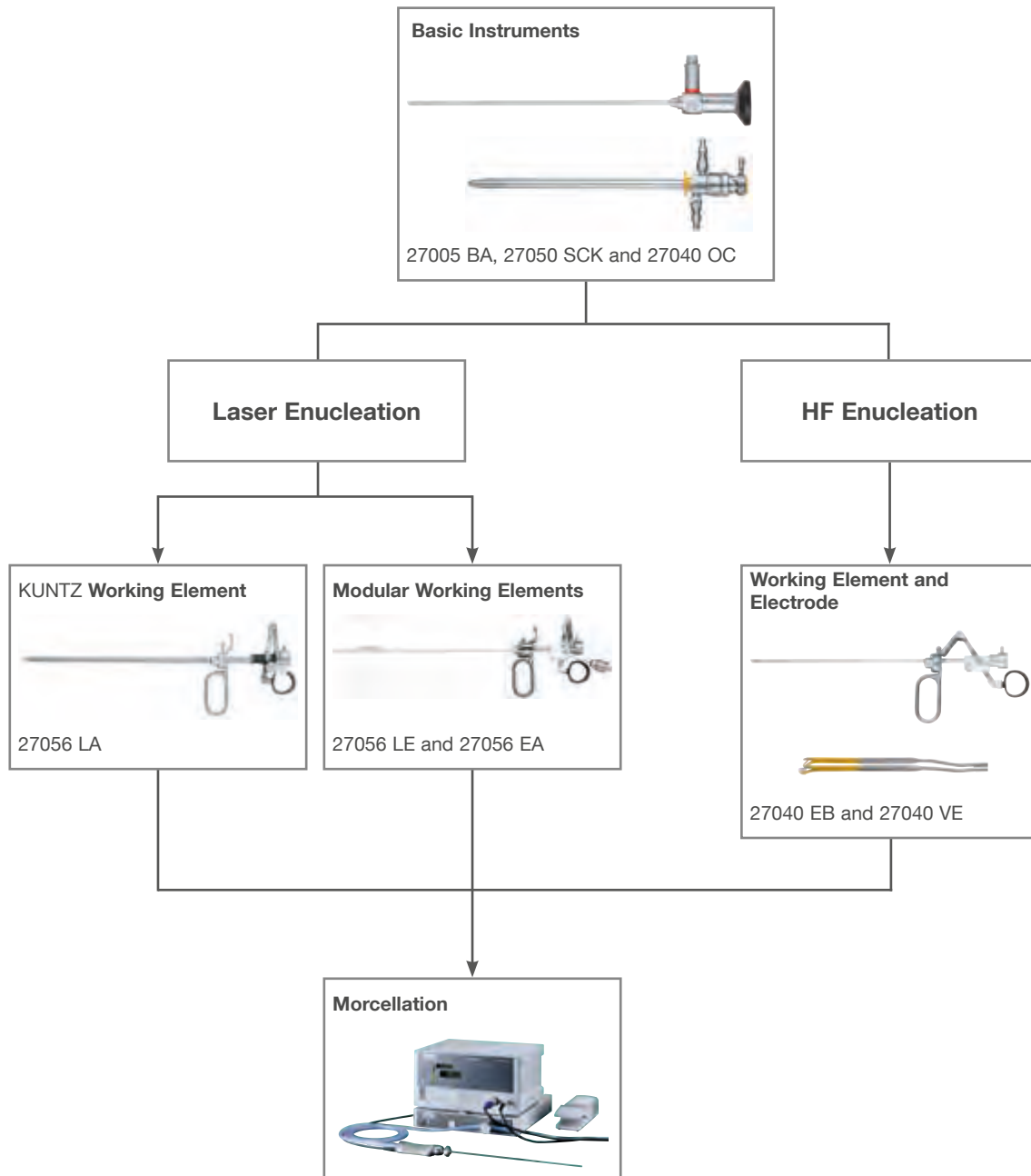
The high degree of patient safety in the bladder during the morcellation process as well as effective suctioning of tissue particles enable fast and efficient comminution of the prostate tissue. Continuous removal of the comminuted tissue during morcellation provides undisturbed endoscopic viewing.

A major advantage of the system is that the S-PILOT® vacuum control unit and the UNIMAT® 30 suction pump can both be used with the existing central suction system, which presents a cost-effective solution.

- Efficient and time-saving tissue morcellation after enucleation of the prostate thanks to effective suctioning of tissue
- Intelligent communication between the motor and the suction systems via footswitch for maximum user comfort
- Straightforward, individual installation in existing suction systems

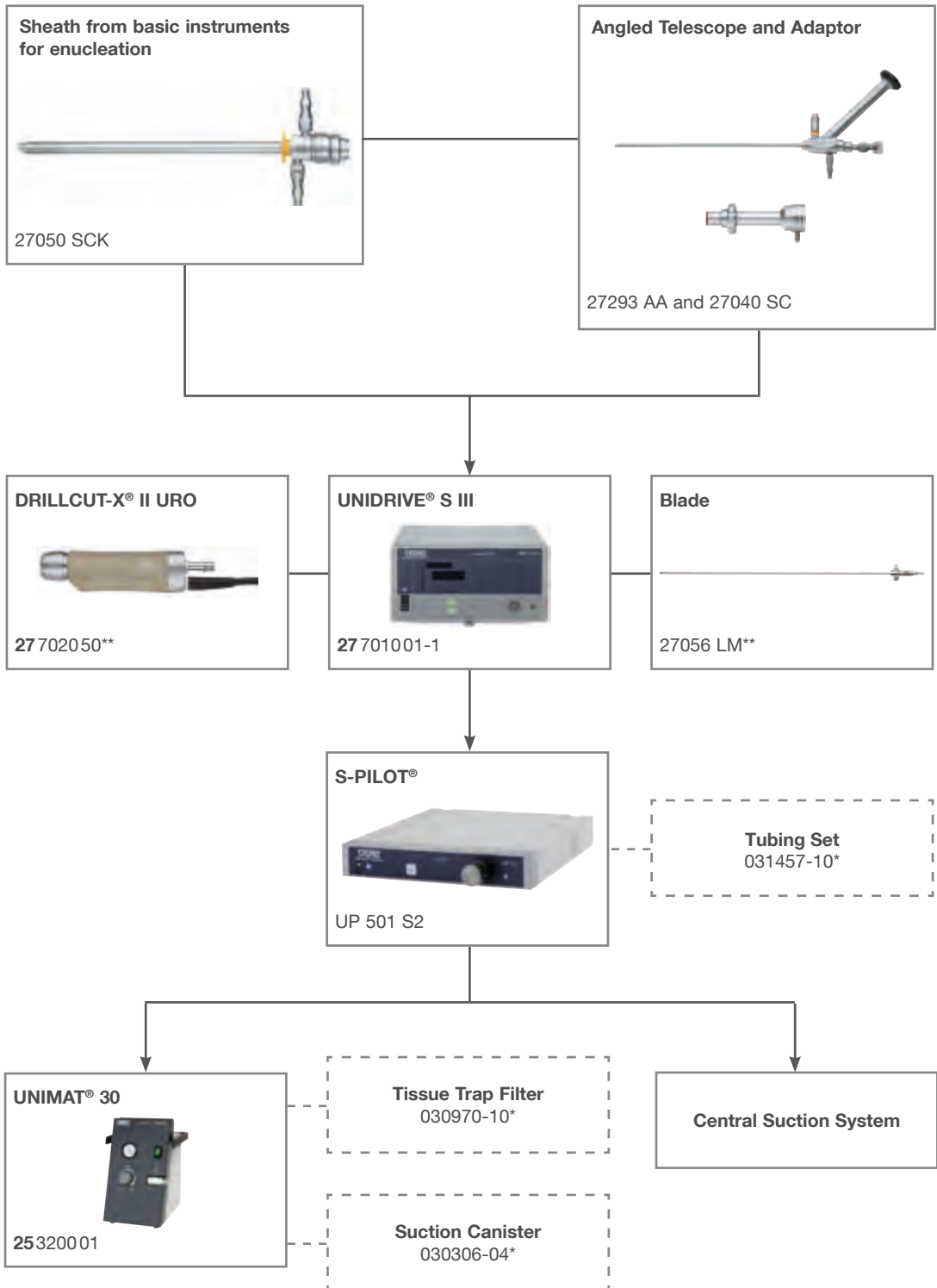


System Components for Enucleation



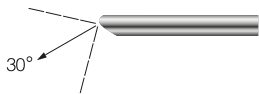
Alternatives for the instruments selected in the diagram can be found on the following pages or in the UROLOGY catalog.

System Components for Morcellation

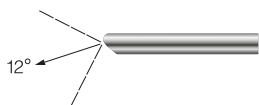


Standard Instruments for Enucleation

HOPKINS® Telescopes



27005 BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



27005 FA **HOPKINS® Telescope 12°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: black

Resectoscope Sheaths



27050 SCK **Resectoscope Sheath**, quick-release lock, including connecting tube for in- and outflow, 26 Fr., oblique beak, rotating inner sheath with ceramic insulation, color code: yellow

27050 SLK **Resectoscope Sheath**, including connecting tube for in- and outflow, 26 Fr., oblique beak, rotating inner sheath with ceramic insulation, color code: yellow

Obturator



27040 OC **Standard Obturator**, for 24/26 Fr. sheaths

27050 BK SCHMIEDT **Visual Obturator**, for 24/26 Fr. sheaths, 27040 BK/BO/SD/SL, 27240 BO, 27241 BK/BO, 27042 B, 27242 BZ, 27050 SL

Laser Enucleation

KUNTZ Working Elements



27056 LA **KUNTZ Working Element**, for use with 24/26 Fr. resectoscope sheaths 27040 SL, 27050 SL and laser probes up to 0.8 mm

27056 LB **Same**, laser probes up to 1.5 mm

Modular Working Elements



27056 LE **Laser Working Element**, for use with exchangeable laser probes with 24/26 Fr. resectoscope sheaths

27056 EA **Laser Guide Probe**, inner diameter 0.8 mm, exchangeable, for use with Laser Working Element 27056 LE

27056 EB **Same**, inner diameter 1.5 mm

27056 EC **Laser Guide Probe**, with retracting beaks, inner diameter 0.8 mm, exchangeable, for use with Laser Working Element 27056 LE

27056 ED **Same**, inner diameter 1.5 mm

HF Enucleation

Working Element (bipolar)



27040 EBH **Electrotome**, bipolar, passive (cutting by means of a spring), movable thumb ring. In rest position the electrode tip is inside the sheath including:

Working Element

2x **Cutting Loops**, bipolar

2x **Coagulation Electrodes**, bipolar

High Frequency Cord

Protection Tube

For bipolar enucleation, only the **passive** Working Element (27040 EB) is suitable.

VapoEnucleation Electrodes



27040 VE **VapoEnucleation Electrode**, bipolar, hemispherical, 24/26 Fr., package of 6, color code: yellow

011169-10* **VapoEnucleation Electrode**, bipolar, hemispherical, 24/26 Fr., sterile, for single use, package of 10, color code: yellow

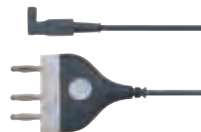
STERILE 

High Frequency Surgery Units



UH 400 **AUTOCON® III 400 High-End**, with KARL STORZ-SCB control NEO, power supply 220-240 VAC, 50/60 Hz, including mains cord

UH 400U **AUTOCON® III 400 High-End**, with KARL STORZ-SCB control NEO, power supply 100-127 VAC, 50/60 Hz, including mains cord



UH 801 **Bipolar High Frequency Cord**, length 400 cm, for KARL STORZ AUTOCON® III 400 SCB, for use with KARL STORZ bipolar resectoscopes



UF 902 **Two-Pedal Footswitch**, with button for switchover function, for use with HF generators

Morcellation

Standard Instruments



27293 AA **HOPKINS® Wide-Angle Straight Forward Telescope 6°**, with **angled eyepiece, autoclavable**, fiber optic light transmission incorporated with working channel, with LUER-Lock connection for inflow, color code: green-red

27292 AMA **HOPKINS® Wide-Angle Straight Forward Telescope 6°**, with **parallel eyepiece, autoclavable**, fiber optic light transmission incorporated with working channel, with LUER-Lock connection for inflow, color code: green-red



27040 SC **Adaptor**, for use with Telescopes 27293 AA and 27292 AMA with resectoscope outer sheaths of 27050 SC/SD



27040 LB **Adaptor**, for use with Telescopes 27293 AA and 27292 AMA with resectoscope outer sheaths of 27040 SL/SD and 27050 SL

Motor Control Unit



27 701001-1 UNIDRIVE® S III, Urology Set, UNIDRIVE® S III motor system, with integrated SCB module, power supply 100-120/230-240 VAC, 50/60 Hz, for use with DRILLCUT-X® II Morcellator Handpiece URO 27 7020 50 and Morcellator Blade 27056 LM including:
Mains Cord
One-Pedal Footswitch, two-stage
SCB Connecting Cable, length 100 cm



27 7020 50 DRILLCUT-X® II Morcellator Handpiece URO, for use with the following accessories:
 Handle **40 712090** and Cleaning Adaptor **41250 RA**



40 712090 Handle, adjustable, for use with DRILLCUT-X® II N shaver handpiece



41250 RA Cleaning Adaptor, LUER-Lock, for cleaning DRILLCUT-X®/DRILLCUT-X® II handpieces



27056 LM Morcellator Blade, straight, sterilizable, drop-shaped cutting window, outer window serrated, inner window double fenestrated and serrated, diameter 4 mm, length 40 cm, for use with DRILLCUT-X® II Shaver Handpiece 27 7020 50



41200 RA Cleaning Adaptor, LUER-Lock, for cleaning the inner and outer blades of DRILLCUT-X® accessories

Suction



UP 501 S2 **S-PILOT® Set**, incl. control cable
including:
Connecting Cable
Tubing Set Suction, sterile, for single use,
package of 10



25320001** **UNIMAT® 30**, suction pump set, power supply 230 VAC,
50/60 Hz
including:
Bacterial Filter
Secretion Bottle
Bottle Cap
Connecting Tube, short
Patient Tube
Overflow Case
Mains Cord, length 300 cm

031457-10* **Tubing Set**, for suction,
sterile, for single use, package of 10,
for use with KARL STORZ S-PILOT®

STERILE 

030306-04* **Guardian Suction Canister**, 12 l,
for single use, package of 4



030970-10* **Tissue Trap Filter**, unsterile, for single use,
package of 10, for use with Suction Canister
030306-04 and other suction bottle systems



030381-01 **Guardian LVC Roll Stand**,
for 1 canister, 12 l



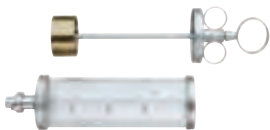
** UNIMAT® 30 is not required when using the central suction system.

Optional Accessories

General



495 NAC **Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, with safety lock, enhanced light transmission, can be used for ICG applications, diameter 3.5 mm, length 230 cm



27218 LO REINER-ALEXANDER **Syringe**, 150 ml



27224 LO ELLIK **Evacuator**, with locking device "LO"



27050 LC **Adaptor**, for use with bladder syringes in outer sheaths of Resectoscopes 27050 SC/SD and 27054 SC

Steri-Trays...



...for Instruments

- 39301 H **Plastic Container**, for sterilization and storage, perforated, with transparent lid, with silicone mat, external dimensions (w x d x h): 515 x 237 x 64 mm including:
Base
Lid
Silicone Mat
- 39502 Z **Metal Wire Tray**, for cleaning, sterilization and storage of instruments, stackable, including hole plate walls and foldaway handles, external dimensions (w x d x h): 480 x 250 x 66 mm

...for Standard Telescopes

- 39301 BS **Plastic Container**, for sterilization, especially suited for hydrogen peroxide (Sterrad®) sterilization and storage, perforated, with lid, for use with two rigid endoscopes up to max. 32 cm working length, external dimensions (w x d x h): 446 x 90 x 45 mm
- 39501 B1 **Metal Wire Tray**, for cleaning, sterilization and storage of instruments, of one rigid endoscope, including holder for light post adaptors, silicone telescope holders and lid, external dimensions (w x d x h): 430 x 65 x 52 mm, for rigid endoscopes up to diameter 10 mm and working length 34 cm

...for Angled Telescopes

- 39314 G **Plastic Container**, for sterilization and storage, perforated, with transparent lid, external dimensions (w x d x h): 515 x 240 x 84 mm, for two angled telescopes of up to 10 mm
- 39501 U **Metal Wire Tray**, for sterilization and storage of telescopes, with lid, tray for small parts and silicone telescope holder, external dimensions (w x d x h): 510 mm x 185 mm x 82 mm, for angled telescopes and uretero-renoscopes up to working length 34 cm



THE DIAMOND STANDARD

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