

## Laparoscopy and Thoracoscopy in Small Animals



## Laparoscopy and Thoracoscopy in Dogs and Cats

The 5 mm HOPKINS® telescope from KARL STORZ provides the small animal practitioner with bright, enlarged views of all abdominal and thoracic organs through a tiny incision.

Biopsy and/or aspiration of the following organs can be achieved: liver, kidney, pancreas, spleen, gall bladder, lymph nodes, lung and gastrointestinal tract.



**Fig. 1**  
Adrenal gland

**Fig. 2**  
Cirrhotic liver

**Fig. 3**  
Cryptorchid testicle

**Fig. 4**  
Feline gallbladder:  
hepatic lipidosis

**Fig. 5**  
Laparoscopic-assisted  
gastropexy

**Fig. 6**  
Pericardial resection

**Fig. 7**  
Liver biopsy

**Fig. 8**  
Pancreatic biopsy

**Fig. 9**  
Thoracic mesothelioma

**Fig. 10**  
Urinary bladder

Endoscopic photographs courtesy of Dr. David Twedt, Colorado State University.



Ancillary instrumentation, such as biopsy forceps, graspers and scissors may be placed through additional 5 mm portals. This allows not only documentation and biopsy of abnormalities, but also a number of therapeutic minimally invasive surgical interventions including the following:

- Cryptorchid castration
- Prophylactic gastropexy
- Ovariohysterectomy
- Cystotomy
- Jejunostomy/gastrostomy tube placement
- Adrenalectomy
- Pericardectomy
- Partial lung lobectomy
- Nephrectomy
- Insulinoma removal
- Partial pancreatectomy
- Resolution of gastric dilatation with volvulus
- Lap-assisted cystostomy
- Lap-assisted cystopexy

Laparoscopy and thoracoscopy will vastly improve your diagnostic and surgical accuracy, while reducing patient recovery time and improving client satisfaction.



Register now to start receiving FREE client referrals for endoscopy procedures.

# HOPKINS® Laparoscopes/Thorascopes

Multiple Puncture Approach  
Telescopes, diameter 5 mm  
Trocars size 6 mm



62046AA **HOPKINS® Straight Forward Telescope 0°**, enlarged view, diameter 5 mm, length 29 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



62046BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 5 mm, length 29 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

## TERNAMIAN Endotip Cannula with Multifunctional Valve



60160TKR **TERNAMIAN ENDOTIP Cannula**, with thread and rotating insufflation stopcock, size 6 mm, working length 8.5 cm, color code: black including:  
**Cannula**  
**Multifunctional Valve**  
**Seal Set 50/4**  
**Mandrel**, for opening automatic valves

60103TMR **TERNAMIAN ENDOTIP Cannula**, with thread and rotating insufflation stopcock, size 11 mm, working length 10.5 cm, color code: green including:  
**Cannula**  
**Multifunctional Valve**  
**Seal Set 60/10**  
**Mandrel**, for opening automatic valves



62141DB **Reducer**, 11/5 mm

## Trocar with Multifunctional Valve



- 62160WZ    **Trocar**, with pyramidal tip, with insufflation stopcock, size 6 mm, working length 8.5 cm  
color code: black-white  
including:  
**Cannula**, without valve,  
**Trocar only**  
**Multifunctional Valve**
- 62103WZ    **Trocar**, with pyramidal tip, with insufflation stopcock, size 11 mm, working length 8.5 cm,  
color code: green-white  
including:  
**Cannula**, without valve,  
**Trocar only**  
**Multifunctional Valve**

## Lightweight Ribbed Trocar and Cannula

Ribbed cannula reduces slippage out of the body wall



- 62160GSK    **Trocar**, with sharp tip, with LUER-Lock connector for insufflation, size 6 mm, working length 6 cm,  
color code: black-green  
including:  
**Cannula**, with thread  
**Trocar only**  
**Silicone Leaflet Valve**
- 62160GBK    **Same**, with blunt tip

# Diagnostic Instruments



62175T

**Palpation Probe**, with cm-markings,  
size 5 mm, length 36 cm



66321DB

**CLICKLINE Dissecting and Biopsy Forceps**,  
rotating, dismantling, with connector pin for  
unipolar coagulation, with LUER-Lock irrigation  
connector for cleaning, single action jaws,  
size 5 mm, length 36 cm  
including:  
**Plastic Handle**, without ratchet  
**Metal Outer Sheath**, insulated  
**Forceps Insert**



66322ML

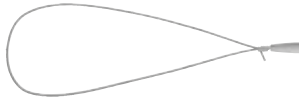
**CLICKLINE KELLY Dissecting and Grasping  
Forceps**, rotating, with connector pin for unipolar  
coagulation, double action jaws, long, size 5 mm,  
length 36 cm  
including:  
**Plastic Handle**, with ratchet  
**Outer Sheath**, insulated  
**Forceps Insert**

# Suture, Ligature



66321EH

**CLICKLINE Hook Scissors**, rotating, dismantling,  
with connector pin for unipolar coagulation, with  
LUER-Lock irrigation connector for cleaning,  
single action jaws, size 5 mm, length 36 cm  
including:  
**Plastic Handle**, without ratchet  
**Metal Outer Sheath**, insulated  
**Scissors Insert**



26172AE

**Endo-Loop Ligature**, with ROEDER knot,  
for bleeding stumps, with absorbable synthetic  
suture, for single use, sterile, USP 0, size 3 mm,  
length 33 cm, package of 12



26596SK

**KÖCKERLING Knot Tier**, for extracorporeal knotting,  
size 5 mm, length 36 cm

For instruments in longer and shorter versions, see the Veterinary Endoscopy, Small Animals catalog.

## Surgical Instruments



66322BA

**CLICKLINE BABCOCK Grasping Forceps**, rotating, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, atraumatic, with multiple teeth, fenestrated, size 5 mm, length 36 cm  
including:  
**Plastic Handle**, with ratchet  
**Metal Outer Sheath**, insulated  
**BA Forceps Insert**



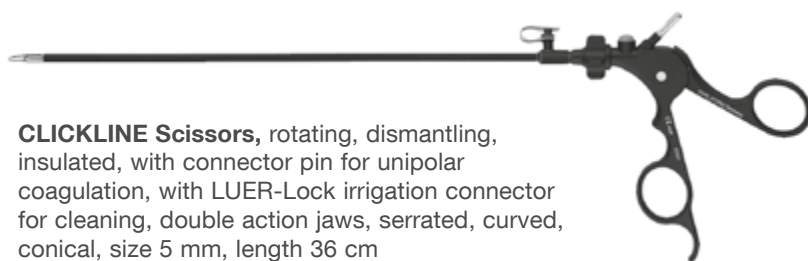
33321FG

**CLICKLINE Grasping Forceps**, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, atraumatic, size 5 mm, length 36 cm  
including:  
**Plastic Handle**, without ratchet  
**Metal Outer Sheath**, insulated  
**Forceps Insert**



66321MW

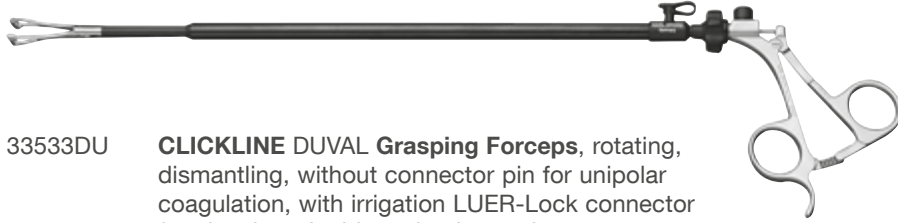
**CLICKLINE Scissors**, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, serrated, curved, conical, size 5 mm, length 36 cm  
including:  
**Plastic Handle**, without ratchet  
**Metal Outer Sheath**, insulated  
**Scissors Insert**





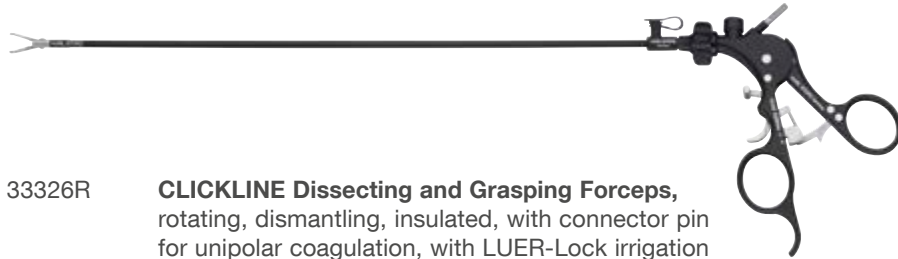
33533DU

**CLICKLINE DUVAL Grasping Forceps**, rotating, dismantling, without connector pin for unipolar coagulation, with irrigation LUER-Lock connector for cleaning, double action jaws, size 10 mm, length 36 cm  
including:  
**Metal Handle**, with hemostat style ratchet  
**Outer Sheath**, insulated  
**Forceps Insert**



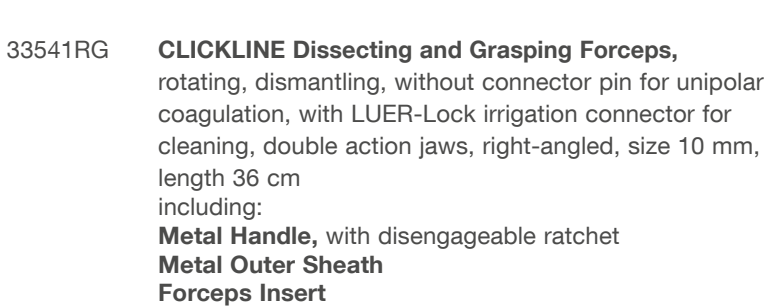
33326R

**CLICKLINE Dissecting and Grasping Forceps**, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, right-angled, size 5 mm, length 36 cm  
including:  
**Plastic Handle**, with disengageable ratchet  
**Metal Outer Sheath**  
**Forceps Insert**



33541RG

**CLICKLINE Dissecting and Grasping Forceps**, rotating, dismantling, without connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, right-angled, size 10 mm, length 36 cm  
including:  
**Metal Handle**, with disengageable ratchet  
**Metal Outer Sheath**  
**Forceps Insert**







30623F

**Fan Retractor**, dismantling, distendable, size 5 mm,  
length 36 cm



30623FP

**Same**, size 10 mm

# Suction and Irrigation Tubes



37360LH     **Suction and Irrigation Tube**, with lateral holes, size 5 mm, length 36 cm, for use with suction and irrigation handles



37370SC     **Coagulating and Dissecting Electrode**, with suction channel, insulated sheath, with connector pin for unipolar coagulation, size 5 mm, length 36 cm

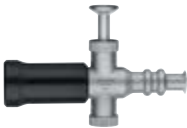


37370DL     **Same**, L-shaped



26173BN     **Suction and Irrigation Tube**, with lateral holes, with two-way stopcock for single-hand control, size 5 mm, length 36 cm

## Optional Suction Tube Accessories



30804     **Handle with Trumpet Valve**, for suction or irrigation, autoclavable, for use with 5 mm coagulating suction tubes, 3 and 5 mm suction and irrigation tubes



20300042     **Silicone Tubing Set**, for suction, sterilizable

## Insufflation



62432501

**CO<sub>2</sub> ENDO-ARTHROFLATOR-VET**,  
power supply 100-240 VAC, 50/60 Hz,  
including:

**Silicone Tubing Set**, sterilizable

**Universal Wrench**

**Gas Filter**, sterile, package of 10

The pressure hose and CO<sub>2</sub> bottles must be ordered  
separately



62120J

**VERESS Pneumoperitoneum Needle**,  
with spring-loaded blunt stylet, LUER-Lock,  
**autoclavable**, diameter 2.1 mm, length 10 cm

Electrosurgery

AUTOCON® III VET

The AUTOCON® III VET is a versatile electrosurgical unit that can be used in bipolar or unipolar mode for a variety of surgical procedures. It delivers precise coagulation and cutting in both endoscopic and open procedures.

KARL STORZ provides AUTOCON® III VET with an assortment of instruments for use in a wide range of veterinary applications.



UH301E     **AUTOCON® III VET**, BIVASCULAR, power supply 220-240 VAC, 50/60 Hz, including mains cord

**HF connecting sockets unipolar:**

- 1x 3-pin US type
- 1x 5 mm connector KARL STORZ/Erbe VIO

**HF connecting sockets bipolar:**

- 1x 2-pin US type (28.58)
- 2x KARL STORZ/Erbe VIO

**Connecting socket:**

Neutral electrode 2-pol

Can be integrated into OR1™ with KARL STORZ OR1™ SCB control WU300

System requirements: SCB R-UI Software Release 20090001-46 or higher

UH301U     **Same**, power supply 100-127 VAC, including mains cord, US version

Instrument for Vessel Sealing



60651VS     **BIVASCULAR VET**, laparoscopic ligation instrument, single action jaws, size 5 mm, length 34 cm, sterile, for single use, package of 5



UF902     **Two-Pedal HF Footswitch**, with button for switchover function, for use with HF generators

See *ENDOWORLD® VET 42 AUTOCON® III VET* for a full range of instruments and high frequency cords for use with the AUTOCON® III VET

### Connecting Cable for use with Unipolar Instruments



26005M

**Unipolar High Frequency Cord**, with 5 mm plug, length 300 cm, for use with AUTOCON® II 400 SCB system (111, 115, 122, 125), AUTOCON® III 300/400, AUTOCON® II 200, AUTOCON® II 80, AUTOCON® system (50, 200, 350), AUTOCON® III VET, Erbe type ICC and Erbe VIO 300,

### Neutral Electrode for use with Unipolar Instruments



27802

**Neutral Electrode**, for single use, contact surface divided into two, A = 169 cm<sup>2</sup>, package of 50, for use with AUTOCON® 50/200/350 and AUTOCON® II 400 all versions (Connecting Cable 27806US), AUTOCON® III 400/AUTOCON® III 300 (Connecting Cable 27806US)



27806US

**Connecting Cable, Neutral Electrode**, for use with Neutral Electrode 27805

### Connecting Cable for use with ROBI PLUS® Instruments

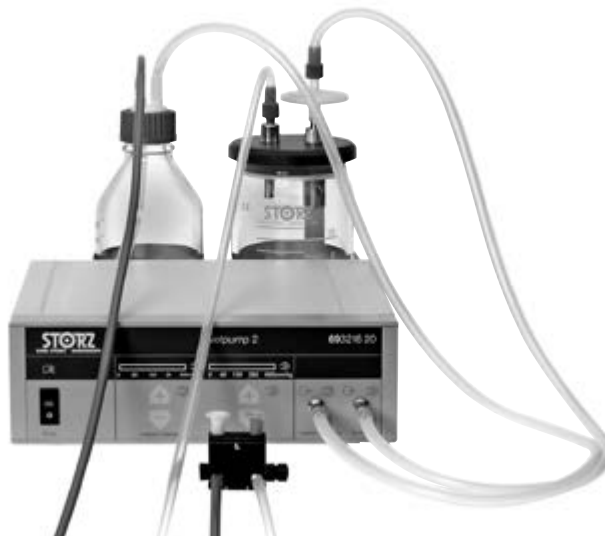
26176LE

**Bipolar High Frequency Cord**, length 300 cm, for use with AUTOCON® III 300/400, AUTOCON® II 400 SCB series (111, 113, 115, 122, 125), AUTOCON® II 200, AUTOCON® II 80, Coagulator 26021B, 26021C, 26021D, 860021B, 860021C, 860021D, 27810B, 27810C, 27810D, 28810B, 28810C, 28810D, AUTOCON® series (50, 200, 350), AUTOCON® III VET, Erbe-Coagulator, T and ICC series

## Suction and Irrigation Device

The VETPUMP® 2 suction and irrigation device makes abdominal and thoracic lavage easier than ever before.

More powerful, more precise and safer than other units, the VETPUMP® 2 is the ultimate device for flushing and suction during otoscopy, gastroscopy, laparoscopy and more.



- 69321601 **VETPUMP® 2**, adjustable suction-irrigation pump,  
power supply: 100/120/230/240 VAC, 50/60Hz  
including:  
**Mains Cord**, EU-version  
**Mains Cord**, US-version  
**Irrigation Bottle Holder**  
**Suction Bottle Holder**  
**Irrigation Bottle**  
**Suction Bottle**  
**Bottle Cap**, for irrigation bottle  
**Bottle Cap**, for suction bottle

## VETPUMP® 2 Accessories for Abdominal/Thoracic Lavage



69320033 **Silicone Tubing Set**, irrigation-suction from unit to bottles, **autoclavable**



69811 **Instrument Tubing Set, autoclavable**, to connect VETPUMP® 2 bottles to Handle 37112A



37112A **Handle**, straight, with clamping valve, for suction and irrigation, **autoclavable**, for use with 5 and 10 mm suction and irrigation tubes



69811LAP **Adaptor**, package of 5, for use with Handle 37112A for suction and irrigation as well as Instrument Tubing Set 69811



031121-10 **Gas Filter**, for single use, with male LUER-Lock connector for attachment to irrigation connector on unit, sterile, package of 10

More than  
**75**  
*Years*

*Shaping the Future  
of Endoscopy with you*

**STORZ**  
KARL STORZ — ENDOSKOPE  
THE DIAMOND STANDARD

KARL STORZ SE & Co. KG  
Dr.-Karl-Storz-Straße 34, 78532 Tuttlingen/Germany  
Postbox 230, 78503 Tuttlingen/Germany  
Phone: +49 7461 708-0  
Fax: +49 7461 708-105  
E-Mail: [vet@karlstorz.com](mailto:vet@karlstorz.com)  
[www.karlstorz.com](http://www.karlstorz.com)