

Product catalog

- Small Animal
- Equine
- Bovine
- Devices
- Disposables



We are changing veterinary endoscopy

Welcome to Dr. Fritz!

Company

Dr. Fritz Endoscopes GmbH was founded in 1993 as an independent manufacturer ofendoscopicequipmentandislocatedin Tuttlingen/SouthernGermanyclosetothe heart of the Black Forest.



The company's aim is to develop and to distribute high-quality endoscopes and instruments for minimal invasive surgery with the serious ambition to produce and manufacture high-precision equipment offering both functionality and ergonomic qualities.

Surgeons and staff in practices and hospitals will benefit from instruments produced for the user, which in turn will offer better patient care. We place great emphasis on continuing research and development, offering new solutions under strict quality control.

Quality Control

This combination of product development and quality control enables the company as an independent manufacturer to produce affordable state-of-the-art technology with quality assurance. We supply a fast and reliable service and repair system for all of our products. The staff receive both in-house training as well as external education to continue providing quality products applicable to the latest standards.

Business Partners

Dr. Fritz GmbH has a well-established network of business partners at its disposal, covering a widespread range within the European Union and neighbouring countries as well as North and South America and the Far East.

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Dr. Fritz Endoscopes GmbH 88637 Buchheim / Germany



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Small Animal

Otoscopes / Rhinoscopes



- HD LED Endoscope wireless
- OD: 3mm • WL: 6cm
- Working channel: Ø 1,2mm
- Item number: 98-VCS7



- Compact Rhinoscope/Vaginoscope
- OD: 3,4x2,6mm, 8,5 Charr
- WL: 20cm
- Working channel: 1,2mm
- Luer connection, fully immersible
- Item number: TA20-3SET

Bronchoscopes



Video Bronchoscope

ItmNo.:	Length	Ø	Working channel	Transmission
TXBH2-36V	36cm	2,9mm	kein Arbeitskanal	Wireless
TXBH4-54V	54cm	3,9mm	1,2mm	Wireless
TXBH5-76V	75cm	5,9mm	1,8mm	Wireless

Gastroscope





Itm.	-No.:	Length	Ø	Working channel	Transmission
TG1	06-8	105cm	7,9mm	2,8mm	Wireless
TG1	36-9	135cm	9,8mm	2,8mm	Wireless
TG1	76-9	165cm	9,8mm	2,8mm	Wireless

Small Animal

Vaginoscopes



- OD: 4,9x3,6mm, 13 Charr
- WL: 36cm
- Working channel: 2,6mm
- Luer connection
- Item number: SET-GY-5VI
- Compact Video Vaginoscope
 Compact Video Vaginoscope
 - OD: 3,4x2,6mm, 8,5 Charr
 - WL: 20cm
 - Working channel: 1,2mm
 - Luer connection
 - Item number: TA20-3SET

Laparoscopes



- Compact Video Laparoscope
- D: 5,5mm • EL: 27cm
- Item number: TA27-5

Arthroscopes



ItmNo.:	Ø	Length		Transmission
TA071-13	1,9mm	7cm	30°	Wireless
TA110-23	2,7mm	11cm	30°	Wireless

Equine 🔭

Nose, Larynx & Teath



Video Sinus Endoscope

Item. No.:	Length	Ø	Working channel	Transmission
TXBH4-54V	54cm	3,9mm	1,2mm	Wireless
TXBH5-76V	75cm	5,9mm	1,8mm	Wireless



- Dentalstick HD Water Jet
- OD: 12mm
- WL: 46cm
- Field of vision 140°
- With flushing nozzle, Luer connector(fe)
- Item number: TD-92HDS

Laryngoscopes



- Trainings Laryngoscope
- OD: 13mm • WL: 100cm
- Flushing pump
- Item number: ETL4-86SET

Bronchoscopes



Video Bronchoscope

Item. No.:	Length	Ø	Working channel	Transmission
TG106-8	105cm	7,9mm	2,8mm	Wireless
TG136-9	135cm	9,8mm	2,8mm	Wireless
TG176-9	165cm	9,8mm	2,8mm	Wireless

Equine 🔭

Gastroscopes



Video Gastroscope

Item. No.:	Length	Ø	Working channel	Transmission
TG326-12	320cm	12mm	3,2mm	Funk/HD

Laparoscopes



- Video Laparoscope
- OD: 10mm • WL: 50cm
- Item number: TS50-10SET



- Compact Video Vaginoscope
- OD: 28mm • WL: 52cm
- Item number: TQ52-28

Vaginoscopes



- Video Vaginoscope
- OD: 28mm • WL: 52cm
- Item number: TQ52-28

Arthroscopy



Item. No.:	Ø	Length		Transmission
TA182-43	4mm	18cm	30°	Wireless

Bovine M

Teat Endoscopes / Theloscopes



- LED Endoscope wireless
- OD: 3,5mm • WL: 9cm
- Item number: SET-Z6-VIS

Laparoscopes



- Video Laparoscope
- OD: 10mm
- WL: 50cm
- Item number: TS50-10E



- Video transvaginal Laparoscope
- OD: 28mm
- WL: 52cm
- Item number: TQ52-28

Vaginoscope



- Video Vaginoscope
- OD: 28mm
- WL: 52cm
- Item number: TQ52-28



Small Animal



- Postrhinoscopy & Otoscopy
- Vaginoscopy
- Bronchoscopy & Gastroscopy
- Gynecology
- Arthroscopy
- Laparoscopy & Thoracoscopy



We are changing veterinary endoscopy



NEW VCS7 Video Compact System 7

The next generation for your pet practice





Video Compact System 7

Endoscope for general ambulatory use, pets & exotic species

- √ Wireless video transmission
- √ Independent of video tower and light source
- √ Without cable
- √ Easy handling & quick cleaning
- √ Integrated LED light

Chip-in-the-Tip-Technologie robust and unbreakable



General use for small Animal consulting rooms

- Rhinoscopy
- Laryngoscopy
- Dental endoscopy
- Otoscopy
- Vaginoscopy
- Dermoscopy
- Best compliance with the owner

Set 98-VCS7-SE

- VCS7, Ø 3,4mm, WL: 6cm, working channel Ø1,2mm
- 10" monitor receiver
- Application sheaths for ears and oral examination in pets
- Optical grasping forceps
- Flexible grasping forceps Ø1mm, WL: 16cm
- Ear curette
- Charging station, wall mount
- Antifog, cleaning brushes
- Stainless steel stand for silicone sleeves including charging station
- Inflation pump for dental and gyn







Video Compact System 7

Endoscope for general ambulatory use, pets & exotic species

Das Set

VCS 7 Ø 3,4mm, WL:6cm Working channel Ø 1,2mm Completely soakable



Stainless steel stand for silicone sleeves including charging station (981-VK-RA5)



Ear curette, oval, rounded end OD:2mm WL:14cm (B18-121)

Cats sheath OD:4,5mm, WL:6,7cm (98-VCS6-3)



Silicon sheath OD:5mm, WL:7cm (98-VCS6-6S)



Dental sheath OD:8mm, WL:7,3cm (98-VCS6-4)



Tongue spatula OD:7,3mm, WL:8cm (98-VCS6-5)



Laser sheath OD:5,4x5,0mm, WL:6,8cm working channel: 3,6mm (98-VCS6-9)



Optical grasping forceps (98-VCS6-8F)



Antifog fluid (E-22-71)



Flexible grasping forceps OD: 1mm, WL:16cm (F10-160)



Cleaning brushes





Inflation pump, small 4L/min.,max.0,2 bar, incl. silicon tube (H150-1-1)



10" Monitor receiver incl. recorder & accu (TXM10-58R)



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Several applications

√ Multi receiver capable



√ Automatic radio connection, all types of endoscopes (broncho/arthroscopes/laparoscopes)



Receiver - monitor



TXL2-580M

5" Receiver-monitor, recorder

- mSD card slot, automatic scan, battery
- With arm strap

TXM7-60R

7" Receiver-monitor, recorder

mSD card slot, automatic scan, battery

NEW: Time and labelling stamps for patient data

TXM10-58R

10" Receiver-monitor, recorder

mSD card slot, automatic scan, battery

TXM10-60R

10" Receiver-monitor, recorder

mSD card slot, automatic scan, battery

NEW: Time and labelling stamps for patient data





M-LCD-22PC

21" LCD PC

· With in-built receiver and recorder

TXL1-7-NO2

Receiver for Apple & Windows

Incl. USB grabber





M-LCD-21SK

21" Video monitor HD

• With in-built receiver for scopes

TXL1-583

TV receiver for monitor

Video-Out

TGR-40

Multi HD radio receiver

HDMI out

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Additional equipment

Video Compact System 7

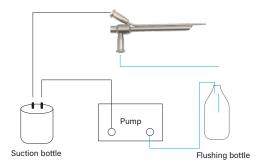
Suction-/irrigation pump

For lens cleaning, inflation and suction. For small and large animal practice.

H140-3S

- Suction & irrigation pump (H140-3)
- 1 li. suction bottle (H160-AB-43)
- 1 li. flushing bottle (H160-AB-7)
- Tubes & transformer
- Sterile filter (AR-10-922)





Optical suction & irrigation sheath

Suction & irrigation sheath for VCS 6 & 7 (98-VCS6-11)





Flexible biopsy forceps

- Ø1mm, WL:15cm
- Premium quality (B10-150)





Silicon tips

Silicon tips Autoclavable 20 pcs. (981-VK-S)





Working funnel

- Big (98-VCS6-7T)
- 9mm
- To take swab samples (gyn) and large foreign body graspers



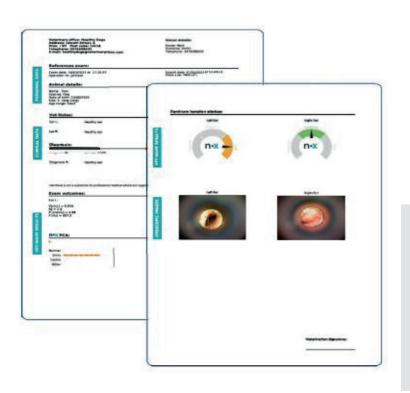


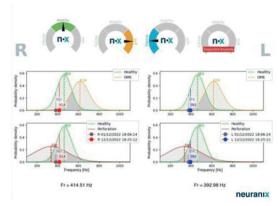
Small Animal Middle ear diagnostic

Measurement of middle ear function in seconds for daily routine



- Examination and visual video representation of the external auditory canal with creation of a report in conjunction with the VCS
- Measurement of eardrum/middle ear function using a mini sound probe Confirmation of correct positions within seconds
- Comparative documentation, tympanogram, and photo output





The set for immediate use

TY25-SET-BA

- Basis unit with display
- Wall mount plate
- Power supply
- Foot switch
- Measurement hand piece
- Accessory kid with soft ear caps

⇒ Expandable with Video Compact System 6&7

For veterinary use only



Compact Rhinoscope-/Vaginoscope

Classic endoscopic equipment for pets- and small animals



Compact Rhinoscope/ Vaginoscope

One of the smallest units with working channel worldwide





Compact Rhinoscope/Vaginoscope

Classic endoscopic equipment for pets and small animals



- √ Battery replaceable
- √ Control display on the endoscope
- √ Integrated sender 5,8 GHz
- ✓ Integrated LED light
- √ Easy handling & quick cleaning
- √ Fully immersible



Control display



Battery replaceable

Set (TA20-3SET)

Cordless generation with exchangeable battery, in-built LED's, video camera, HD sender for video transmission & 1,5" control display.

- Compact Rhinoscope/Vaginoscope
- 2 spare batteries
- Charging station
- Charger
- Biopsy forceps
- 3 way stopcock
- Catheter, 1,0mm
- Cleaning brush
- Protection sheath

NEW: enables circulation flushing

• 10" monitor receiver



> Several applications

see page 13

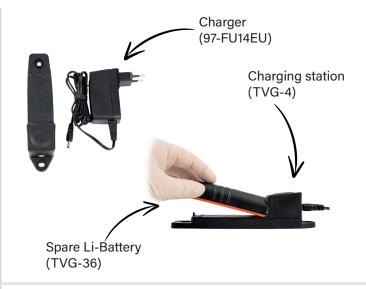


Compact Rhinoscope/Vaginoscope

Classic endoscopic equipment for pets and small animals

Set (TA20-3SET)





Biopsy forceps OD: 1,0 mm WL: 35cm (B10-351)



Flushing & protection cannula enables 2 way suction & irrigation (TV20-3SP)





3 way stopcock (Y-LL-1273H)



Catheter OD: 1,0 mm WL: 100cm (F13-102A)



10" Monitor receiver incl. recorder & accu (TXM10-58R)





Additional equipment

Compact Video Rhinoscope/Vaginoscope

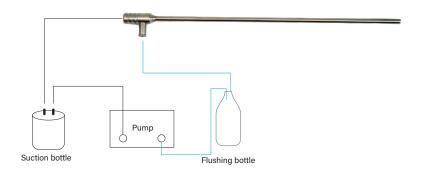
Suction-/irrigation pump

H140-3S

- Suction & irrigation pump (H140-3)
- 1 li. suction bottle (H160-AB-43)
- 1 li. flushing bottle (H160-AB-7)
- Tubes & transformer
- Sterile filter (AR-10-922)

For lens cleaning, inflation and suction. For small and large animal practice.





NEW! Post rhino video mirrow

TA20-3P18

OD: 18mm, WL: 20cm With soft palate hook

Until now examination of retro pharynx was only possible for clinics and hospitals with appropriate endoscopic equipment. The newly developed video mirror system allows the general practiciones to perform retro pharyngoscopy. Grasping of foreign bodies or biopsies under visual control are possible.





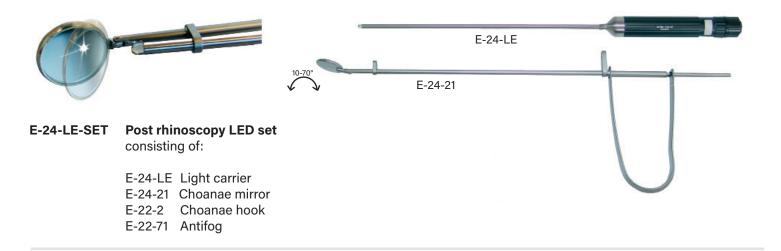


Post rhinoscopy LED mirror system

for cats and dogs



Choanae mirror with LED light, independent of endoscopes



Zubehör





Antifog fluid E-22-71

for endoscopes and mirrors, 50 ml

K-3325-61 Special transportation case

33x25x6 cm (without picture)

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Professional bronchoscopes



With integrated video camera and LED light





Video Bronchoscope

Professional bronchoscopes



- ✓ Integrated sender for wireless video transmission
- ✓ Easy handling, quick cleaning & disinfection
- √ Fully immersible
- √ Up/down controled
- ✓ Working channel

Item No.	Length	Ø	Working channel	Transmission
TXBH2-36V	36cm	2,9mm	No working channel	wireless
TXBH4-54V	54cm	3,9mm	1,2mm	wireless
TXBH5-76V	75cm	5,9mm	1,8mm	wireless

Set TXBH4-54V

- Bronchoscope TXBH4-54
- Charger
- Cleaning brush
- Density tester
- Grasping forceps
- Storage case
- 7" Monitor receiver

> Several applications









Set TXBH4-54V







7" Monitor receiver (TXM7-58R)



Case 56x41x11cm (K-5041-11)







Video- Gastroscope

Professional gastroscopes - connection for insufflation, irrigation and suction



Video Gastroscope

- NextGen4 -

Tips & tricks Device care for flexible endoscopes









Professional gastroscopes - connection for insufflation, irrigation and suction



New Generation - NextGen4

- Integrated control display
- Integrated SD card slot
- Fully soakable
- Truely mobile

Set TG136-9G

- Gastroscope TG136-9
- Charger
- Cleaning adaptors
- Cleaning brush
- Density tester
- Biopsy forceps
- 10" receiver-monitor, recorder
- Air/water pump
- Transportation case Option

onal: wall mount	Air/water valve
Suction valve	/ / water valve
On/Off	Working channel
Record	U/D wheel
Brake U/D	
Blake 0/D	Brake L/R
SD card slot (DVR)	L/R wheel
Suction channel	\ Air/water coupling
	All / water coupling







VELV



Set TG136-9G



Charger magnetic (TV27-NET)





Cleaning adaptors (TW132-24S)



5x Cleaning brush (F28-280E)





Density tester (EF-23)



Air/water pump (TW4-250SE)



10" Receiver-monitor, recorder (TXM10-58R)



Case for NextGen4 size: 56x41x11cm (K-5641-10)







Several applications

Multi receiver capable



Automatic radio connection, all types of endoscopes (broncho/arthroscopes/laparoscopes)



Receiver - monitor



TXL2-580M

5" Receiver-monitor,recorder

- mSD card slot, automatic scan, battery
- With arm strap

TXM7-60R

7" Receiver-monitor, recorder

mSD card slot, automatic scan, battery

NEW: Time and labelling stamps for patient data

10" Receiver-monitor, recorder

mSD card slot, automatic scan, battery

TXM10-60R

10" Receiver-monitor,recorder

mSD card slot, automatic scan, battery

NEW: Time and labelling stamps for patient data



M-LCD-22PC

21" LCD PC

· With in-built receiver and recorder

TXL1-7-NO2

Receiver for Apple & Windows

Incl. USB grabber





M-LCD-21SK

21" Video monitor HD

With in-built receiver for scopes

TXL1-583

TV receiver for monitor

Video-Out

TGR-40

Multi HD radio receiver

HDMI out

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Additional equipment

Video Gastroscope

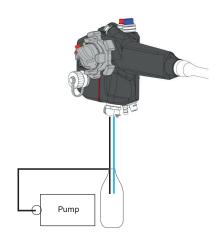
Air/water pump

For lens cleaning and inflation

TW4-250SE

- Air/water pump (H150-1-1)
- Air/water twin tube (TW4-133)
- Fixation for bottle (TW4-261H)
- Bottle 250ml (TW4-250)





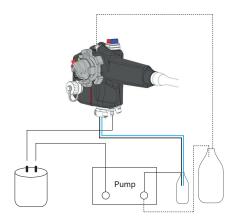
Suction-/irrigation pump

For lens cleaning, inflation and suction. For small and large animal practice.

H140-3S

- Suction & irrigation pump (H140-3)
- 1 li. suction bottle (H160-AB-43)
- 1 li. flushing bottle (H160-AB-7)
- Tubes & transformer
- Sterile filter (AR-10-922)





Wall mount

Wall mount for inductive charging - always ready for use, perfectly stored and optimally drying.

TGX-25S

- Wall mount
- Power supply
- Mounting material







Catheter, injection needle, guttural pouch probe



F20-220

Teflon catheter with luer-lock connector

- OD: 2 mm, WL: 235 cm
- autoclavable

F20-219

Spare catheter

- OD: 2 mm, WL: 10 m
- autoclavable

LLW-1220

Luer-lock connector

- Female OD: 2 mm
- Autoclavable



F22-16045

Guttural pouch probe

• OD: 2,2 mm, WL: 165 cm

F22-22046

Guttural pouch probe

• OD: 2,2 mm, WL: 230 cm



F231-220

Injection needle with teflon tube, luer- look connector

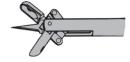
• OD: 2,2 mm, WL: 235 cm, Needle: 0,9x6 mm

Biopsy-grasping forceps, hooks, brush

B22-16011

Biopsy forceps with spike

OD: 2,4 mm WL: 165 cm



B22-22011

Biopsy forceps with spike

OD: 2,4 mm WL: 230 cm

B23-3601

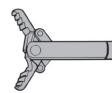
Biopsy forceps with spike

• OD: 2,3 mm WL: 360 cm

F22-16041

Grasping forceps

• OD: 2,2 mm WL: 160 cm



F22-22041

Grasping forceps

OD: 2,2 mm WL: 230 cm

F23-3604

Grasping forceps

• OD: 2,3 mm WL: 360 cm



B23-180E

Disposable biopsy forceps

• OD: 2,3 mm WL: 180 cm



Disposable biopsy forceps steril

• OD: 2,3 mm WL: 230 cm



F23-16042

Grasping forceps "foreign body"

OD: 2,3 mm WL: 160 cm



Grasping forceps "foreign body"

• OD: 2,3 mm WL: 235 cm





Additional equipment

Video Gastroscope

FK23-1635

Basket size: 4,5 x 6cm 6 wires

• OD: 2,2mm WL: 160 cm



FK23-1637

Basket size: 5 x 10cm 6 wires

OD: 2,3mm WL: 160 cm

FK23-2035

Basket size: 4,5 x 6cm

6 wires

OD: 2,3mm WL: 230 cm



F22-16040

Grasping forceps 3 hooks

• OD: 2,2 mm WL: 165 cm



F22-22040

Grasping forceps 3 hooks

• OD: 2,2 mm WL: 230 cm



F28-1709

Cleaning brush

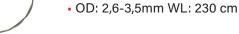
• OD: 2,6-3,5mm WL: 150 cm



F28-280E

Disposable cleaning brush steril, 10pcs./pack

• OD: 1,8-2,8mm WL: 210 cm



F28-3008

F28-2208

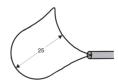
Cleaning brush

Cleaning brush

• OD: 2,6-3,5mm WL: 330 cm



For high frequency surgery



SL23-2310

Asymetric polypectomy snare complete with tube, without handle

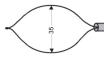
OD: 2,2mm, WL: 230cm wide: 25mm



SL23-1612

Symetric polypectomy snare complete with tube, without handle

• OD: 2,2mm, WL: 165cm wide: 35mm



SL23-2312

Symetric polypectomy snare complete with tube, without handle

• OD: 2,2mm, WL: 220cm wide: 35mm



HF22-1601

Suction-coagulation electrode monopolar, luer-lock connctor

• OD: 2,2 mm, WL: 165 cm



HF-301-ER

HF- connecting cord monopolar, com. to Erbe units 4mm

Lenght: 3 m



HF22-2301

Suction-coagulation electrode monopolar, luer-lock connctor

• OD: 2,2 mm, WL: 235 cm



HS11-1200

Handle for polypectom, HF snares

standard connections



Video Gastroscope

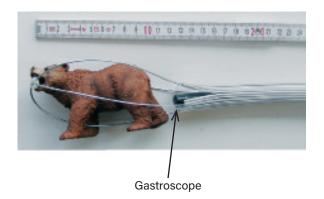
Brugman's foreign body catcher

for removing of foreign bodies compatible to gastroscopes

FK-15-90 Brugman's foreign body catcher, short 90cm, OD:24mm, single use, 1 piece

FK-15-135 Brugman's foreign body catcher, long 135cm, OD:24cm, ID:15mm, 1 piece

> compatible to gastroscopes different manufacturers with OD <13mm







- * patent pending
- Attention: disposable product return shipment not accepted.

X-46-00 Foreign body protection cap for gastroscopes Ø 9-11 mm







Additional equipment

Video Gastroscope

For rigid and flexible endoscopes

DE-10-702 Dr. Fritz enzymatic cleaning flex,

1,5%, 1 litre, 7 enzymes, 0,5%, for daily manual and automated cleaning



DE-10-300 Disinfection solution,

for flexible and rigid endoscopes. for manual and automated use. 1-3% dilutions, 5 litres



Option for cleaning of flexible endoscopes in the field

Disinfection-, transortation & storage basin

for flexible endoscopes



- Can also be used for cleaning machines
- Favourable
- For all endoscope types
- Can be integrated as a drawer
- With air vent
- Stackable





Stackable

DE-17-44S

Basin for cleaning, transportation and storage for flexible endoscopes 50x44x16 cm,

consisting of: Basin (DE-17-44)

Cover, transparent (DE-17-41)







Video hook grasper

The first video foreign body forceps for small and large patients

- For large item retrieval
- Rounded and self closing jaws
- Distal end curved

NEW!

- Easy connectable to any video monitor
- Luer air connection







FK106-21S

- Ø 22mm, WL: 1,1m
- 3m video-/power cabel & power adapter (110-230VAC;50/60Hz)
 - -Video cable with cinch
- Not soakable

Set consisting of:

- Video 3-hook grasper (FK106-21)
- Inflation pump (H150-1-1)
- 7" monitor with accu (TXM7-59A)



FK187-19S

- Ø 25x19mm, 65 Charr, WL: 87cm
- 3m video-/power cabel & power adapter (110-230VAC;50/60Hz)
 - -Video cable with cinch
- Not soakable

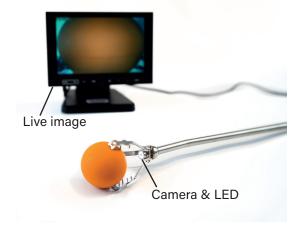
Set consisting of:

- Video 2-hook grasper (FK187-19)
- Inflation pump (H150-1-1)
- 7" monitor with accu (TXM7-59A)





Video hook grasper also available individually







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Compact Video-Vaginoscope TCI

Set universal for all dog sizes - transcervical insemination acc. to Blendinger



Compact Video-Vaginoscope

Special TCI system for transcervical insemination acc. to Blendinger



Compact Video-Vaginoscope TCI

Small Animal

Set universal for all dog sizes - transcervical insemination acc. to Blendinger



Compact Video-Vaginoscope & special TCI system for transcervical insemination, acc. to Blendinger, 36cm micro endoscope with integrated video camera and LED light and wireless video transmission.

Set (SET-GY-5VI)

- Compact Video-Vaginoscope
- 2 spare batteries
- Charging station
- Charger
- Sheath D:7mm
- Sheath D: 13mm
- Protection sheath
- 3 way stopcock
- Silicon cap
- · Catheter, 1,6mm
- Cleaning brush
- 10" monitor receiver

> Several applications

see page 13







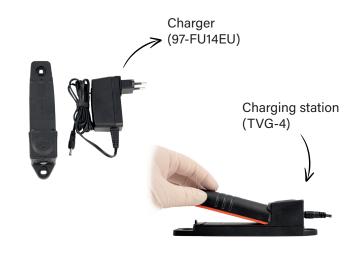


Compact Video-Vaginoscope TCI

Set universal for all dog sizes - transcervical insemination acc. to Blendinger

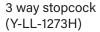
Set





Sheath for vaginoscopy OD:7mm, 29cm (TA36-45S)

Sheath for vaginoscopy OD:13mm, 30cm (TA36-49S)





Special catheter OD: 1,6 mm, WL: 69cm Angled tip, olive end (F12-69)



10" Monitor receiver incl. recorder & accu (TXM10-58R)



Cleaning brush OD: 2,0 mm WL: 115cm (F20-181E)



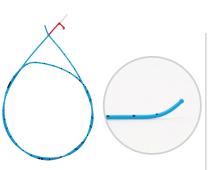


Video Vaginoscope

Special catheter OD: 1,3 mm, WL: 69cm angled tip, olive end (F11-69)

Special catheter OD: 1,6 mm, WL: 69cm angled tip, olive end

(F12-69)



Special catheter for insemination OD: 1,6 mm, WL: 50cm straight end, connection LL(f) (F16-50)



Flexible biopsy forceps OD: 2 mm, WL: 35cm (B18-33)



Three way stopcock plastic, disposable, non steril Package of 10 pieces (LL-1273H)



One way stopcock plastic, disposable, non steril Package of 10 pieces (LL-1271H)



Sealing cap for working channel opening 1mm, Package of 5 pieces (TR-60-1D)



Transportation case for vaginoscope without picture (K-3325-62)





Gynecology, Vaginoscopy & Al

Rigid endoscopes for medium and large dogs

Video Vaginoscope with sheath

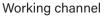


TV27-5SET

Video Vaginoscope/Laparoscope 0°, OD: 5mm, WL: 27cm, cordless generation with exchangeable battery, with LED light, 5,8 Ghz

Consisting of:

- Compact Vaginoscope/Laparoscope (TA27-5)
- Charging station (TVG-4)
- 2x battery (TVG-36)
- Outer sheath 12mm (STV27-51) working channel: 5,6mm, WL: 27cm
- Vaginoscope sheath (STV27-5V)
- Small air pump (H150-1-1)
- Power adapter (TV27-NET)
- 10" Receiver monitor (TXM10-58R)





LED light





Endoscopes and instruments for minimally invasive surgery



Video-Laparoscope

for small animals





Telescopes for diagnostic and surgery

Video Laparoscope, wireless

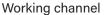


TV27-5SET

Video Laparoscope/ Vaginoscope 0°, OD: 5mm, WL: 27cm, cordless generation with exchangeable battery, with LED light, 5,8 Ghz

Consisting of:

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- Charging station (TVG-4)
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- Outer sheath 12mm (STV27-51) working channel: 5,6mm, WL: 27cm
- Vaginoscope sheath (STV27-5V)
- Small air pump (H150-1-1)
- Power adapter (TV27-NET)
- 10" Receiver monitor (TXM10-58R)





LED light







Trocar cannulas with magnetic valve, safety trocars

Trocar cannulas are designed with different types of valves to reduce or to avoid CO2 loss when changing instruments and telescope during laparoscopy and thoracoscopy. Our reusable and patented magnetic valve trocar system has several advantages compared to other valve types. First of all they are light in weight and because of the valve construction, the insertion of instruments and scopes will pass smoothly through with out scratching or touching the front lens like in a ball system or in a so called automatic valve system. In addition there is nearly no gas loss even when changing instruments. There are no mechanical parts to clean inside except the magnetic flap itself which is a great help to your staff.

Inner diameter 5,5mm

for standard 5mm instruments

231-213V Cannula only with magnetic valve, ID: 5,5 mm,

7 cm, stainless steel, stopcock, 40 g

Cannula only with magnetic valve, ID: 5,5 mm, 231-212V

7 cm, 30 g (without picture)

Safety trocar only "Cavi Safe" 231-137V

cork screw handles, compatible with cannulas

ID: 5,5 mm, WL: 7 cm, fully dismantable

231-105V Trocar only with sharp tip, compatible with

Canully only ID: 5,5 mm, WL: 7 cm (without picture)







Tissue pressure exposes the sharp tip

Inner diameter 10mm

for telescopes and 10,, instruments

Cannula only with magnetic valve, 230-212V

ID:10 mm,WL: 7 cm, inflation stopcock, 55 g

Cannula only with magnetic valve, 230-213V

ID: 10 mm, WL: 7 cm, 45 g, (without picture)

230-137V Saftey trocar only with cork screw handles,

compatible to cannulas ID: 10 mm, WL: 7 cm,

fully dismantable

230-105V Trocar only with pyramidal tip for cannulas

ID: 10 mm, NL: 7 cm

Inner diameter 13mm

for telescopes and 13mm instruments

637-232 Cannula only with magnetic valve,

ID:13 mm, WL: 10 cm, inflation stopcock, Trinox

Canulla only with pyramidal tip for cannulas 237-173

ID: 13 mm, WL: 10 cm





237-173





Accessoriers, Trocar disposable



Canula only Magnetic valve flap Sealing caps			
231-211 Sealing caps for Ø 5,5mm, blue Package of 10 pieces	631-901 Magnetic valve body, Ø 5mm With Magnetic Head-/valve flap & sealing caps		
234-211 Sealing caps for Ø 8mm, white Package of 10 pieces	634-901 Magnetic valve body, Ø 8mm With Magnetic Head-/valve flap & sealing caps		
230-211 Sealing caps for Ø 10mm, red Package of 10 pieces	630-901 Magnetic valve body, Ø 10mm With Magnetic Head-/valve flap & sealing caps		
231-215 Magnetic valve flap for Ø 5,5mm cannulas Package of 2 pieces	630-902 Spare stopcock Complete with spring nut		
230-215 Magnetic valve flap for Ø 8/10/11/12/13 mm cannulas Package of 2 pieces	630-903 Spare spring nut		
236-217 Sealing ring for Trinox trocar cannulas for Ø 3,5mm & 5,5mm Package of 5 pieces	230-217 Sealing ring for Trinox trocar cannulas for Ø 8, 10, 11, 12, 13mm Package of 5 pieces		
230-505 Snap reducer for cannulas from Ø 10mm to 5,5mm	237-510 Snap reducer for cannulas from Ø 13mm to 10mm		

Trocar disposable 5,5mm & 12,5mm



TR-59-54

Trocar disposable, ID: 5,5mm, WL: 7 cm, with spike, LL(f), inflation stopcock,

package of 8 pieces

TR-60-121 Trocar disposable, ID: 12,5mm, WL: 10cm,

with optical spike, no blade, 12-8/-5 mm, LL(f) inflation stopcock,

package of 6 pieces

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Palpation and Puncture

Laparoscopy first puncture needle

L-19-100 Veress needle

OD: 2,1 mm, 10 cm, LL(f)





Injection cannula

Injection system and probe

L-210 Injection cannula

thin, 1x26 mm, 2 pieces

L-218 Injection cannula

large, 1,9x26 mm, 2 pieces

L-218R Injection cannula

rounded, 1,9x28 mm, 2 pieces

L-33-210 Injection system and probe

5 mm, 33 cm, protected interchangable needle,

consisting of:

Inside tube, LL, connector L-33

L-33-2 Outer tube/probe

L-210 Needle, 1 piece (1x26mm)

Mini instrument for two portal technique in laparosopy, 2,4mm

L-24-23 Needle with mini grasping forceps

OD: 2,4 mm, WL: 23 cm





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Standard instruments, 5mm

We are currently optimizing our 5 mm instruments for you. Individual components may be available upon request — feel free to contact us!

Plastic handles

- With or without lock
- HF connector
- Colour coding for scissors

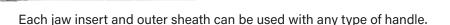
H 01/H 05



- Long life span
- **■** Compatible to 5mm trocar cannulas

Tubular sheaths

- 5 mm Ø
- Different working lengths
- Rotatable through 360° oder feststehend
- Insulated



Complete instruments, fully dismantable

Scissors

531.04H05V

Hook scissors, 5mm, 33cm, single action jaws, insulated, rotatable, dismantable, high quality, consisting of: jaws insert (53M04), sheath (53 R 1) handle (H05), color code:white



Biopsy forceps

531.61H01V

Biopsy forceps, 5mm, 33cm, double action jaws, dismantable, consisting of: jaws insert (53M60), sheath (53R1) handle (H01), color code:black







Standard instruments, 5mm

We are currently optimizing our 5 mm instruments for you. Individual components may be available upon request — feel free to contact us!

Universal dissection forceps

531.40H01V

Dissection forceps (Maryland) Ø 5 mm, WL: 33 cm

curved, insulated, rotatable, dismantable, consitsting of:

jaws insert (53M40), sheath (53R1) handle (H01) colour code: black



Dissecting forceps, strong Ø 5mm, WL: 33cm

curved, for use with 8 & 10mm trocars consitsting of: jaws insert (53M37), sheath (53R1) handle (H01) colour code: black



531.22H01V

Grasping forceps, universal Ø 5 mm, WL: 33 cm

insulated, rotatable, zerlegbar, dismantable

consitsting of:

jaws insert (53M22), sheath (53R1) handle (H01) colour code: black



Bowel grasping forceps Ø 5 mm, WL: 33 cm

insulated, rotatable, zerlegbar, dismantable

consitsting of:

jaws insert (53M36), sheath (53R1) handle (H01) colour code: black



Grasping forceps insert Ø 5 mm, WL: 33 cm

front hooks consitsting of:

jaws insert (53M24), sheath (53R1) handle (H01) colour code: black



Atraumatic grasper Taccun, Ø 5 mm, WL: 33 cm

insulated, rotatable, zerlegbar, dismantable

consitsting of:

jaws insert (53M25), sheath (53R1) handle (H01) colour code: black



DeBakey grasping forceps Ø 5mm, WL: 33cm

consitsting of:

jaws insert (53M35), sheath (53R1) handle (H01) colour code: black





Palpation

Knot tier and cutter



Easy handling, easy to tighten, additional cutting

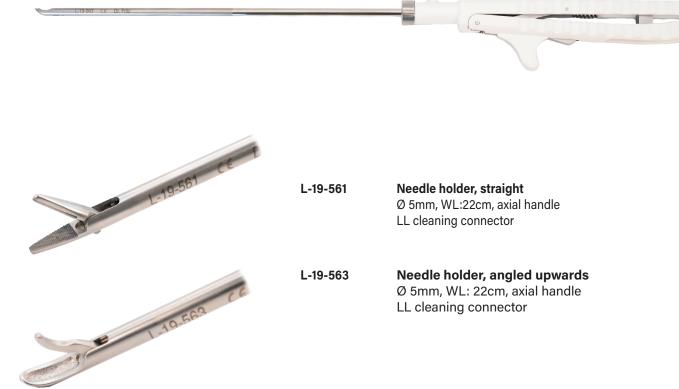
L-19-534

Knot tier, standard version, OD: 5 mm, WL: 29 cm, easy filling, suture size up to 1metric

Needle holders

Axial handle, ergonomic, stable, O D: 5mm

- Easy Clean System
- Needle self positioning







Special devices - High Frequency Surgery

High frequency unit, High speed, Typ Atom

High frequency unit, High speed - with vessel sealing technique. Parallel usage of all outputs.

- Adapter for instruments other manufacturers on request
- uncomplicated use
- up to date safety regulation
- vessel sealing with confirmation signal
- compatible to all instruments on the market
- program via Touch Screen
- SDS self detecting system



HF-401-TH HF/Radio frequency unit, High End Thermo Stapling (vessel sealing), touch-screen programmable, latest mono & bipolar technique SDS - self detecting system incl. high speed vessel sealing delivery without accessories, 400W, 230VAC, 50/60Hz

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Sn	ecif	いつさ	ION	יסו
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opeomediene.			
Monopolar	Cutting Coagulation Soft/Forced	400 W 200 W + / +	
Bipolar	Cutting Coagulation Auto Start/Stop	400 W 200 W + / +	
Bipolar	Thermo-Stapling Thermo sealing Auto Stop	+ 300 W + +	
Weight	7 kg		
max. power		420 W	



Special devices - Inflator

CO₃Inflator, electronically monitored

- small and large animal
- reusable tubing
- bacterial filter
- economical



741-025V

CO₂ Inflator, electronically monitored, max. 20 litre, complete without bottle automatic pressure reduction system, DIN gas connection type, 115-230 VAC, 50-60Hz, DIN IEC 601/1, DIN VDE 871

Accessories





741-009-1 Spare Silicon tube, 3m, for CO, inflation,

incl. connector, autoclavable

741-009-FF Sterile filter system for CO₂ -inflator

disposable, box with 50 pcs. medical connection D:22mm

741-002 CO, high pressure tube, 1m

DIN connector, screw both sides

741-009V-PN CO, high pressure tube, 0,8m

compatible to PIN Index bottle (without picture)

Sterile product return shipment not accepted





Complete set with video laparoscope - wireless

Basic set without camera system and light source

SET-K-LA-B1

Laparoscopy set, small animals, conventional for stndard 2 portal technique complete, but without video camera and light source

consisting of:

- Wide angle telescope 30°/5mm/28cm (T281-5030)
- Safety trocar complete, 5,5mm (231-213V & 231-137V)
- Safety trocar complete, 10mm (230-212V & 230-137V)
- Trocar reducer 10/5 (230-505)
- Veress needle, 10cm (L-19-100)
- Grasping forceps, 5mm
- Metzenbaum scissors, 5mm
- Preparation forceps, 5mm
- CO2 Inflator, electronically monitored 20l (741-025V)



Option:

SET-K-LA-B2

same as SET-K-LA/VA1 + HF vessel sealing, type Atom incl. sealing MIC instrument 5mm

Complete set with video Laparoscope - wireless

SET-K-LA/VA1

Universal Laparo-/Vaginoscope SET, for all laparoscopic aproaches in small animals, for 1 & 2/3 portal technique and transvaginal laparoscopy

consisting of:

- LED Video Laparo. 0°/5mm/28cm (TA27-5)
- Working sheath 12mm (STV27-51)
- Safety trocar complete, 5,5mm (231-213V & 231-137V)
- Trocar disposable (TR-60-121)
- Veress needle, 10cm (L-19-100)
- Needle with mini grasping forceps (L-24-23)
- Grasping forceps, 5mm
- Metzenbaum scissors, 5mm
- Preparation forceps, 5mm
- CO2 Inflator, electronically monitored 20I (741-025V)
- 22" receiver/PC/recorder



Option: SET-K-LA/VA2

same as SET-K-LA/VA1 + HF vessel sealing, type Atom incl. sealing MIC instrument 5mm



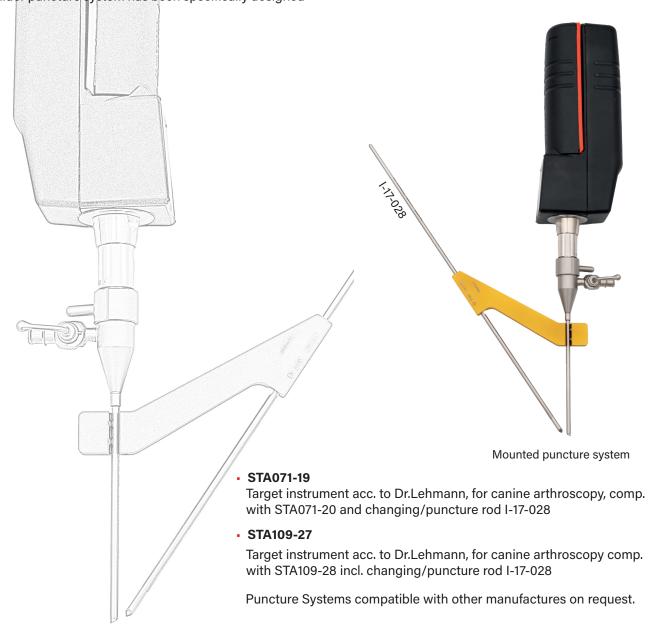


Puncture System acc. to Dr.Lehmann for the canine shoulder joint

Innovation in small animal arthroscopy

Developed an tested at the Veterinary Faculty of Vienna, Austria

During recent years, as arthroscopy in small animals has developed, researchers realized the necessity of a specific puncture system to create an instrument portal in the larger joints. Due to the dense muscle mass in shoulder joints, creating a puncture for a working cannula is often quite difficult. If a clean puncture allowing access directly to the joint is not achieved the first time, the risk of a subsynovial oedema increases greatly, thus decreasing the time frame to complete the surgery with each failed puncture. The shoulder puncture system has been specifically designed to help eliminate this risk. The system allows you to align your arthroscope accurately in the joint space. Simply attach the puncture system to the arthroscopic sheaths and maintain your arthroscopic vision in a parallel direction to the shoulder joint rim. At this point you will find the working triangulation portal in an ideal position. After a puncture is created with the desired trocar, simply replace the trocar with a working cannula and start working with your instruments.





Irrigation and Working Cannulas, Trocar Changing System acc. to VAN BREE

The trocar changing system acc. to VAN BREE allows the specific exchange of different working cannulas. Beginning with the smallest diameter, the surgeon can always change to a bigger diameter by using the changing rods. According to the different joints a so called "elbow set" (working lengh 3,5-5 cm) and a "shoulder set"(7-7,5 cm) is differentiated. In addition it is possible to change the working portal with the telescope portal using the changing rod. The color code system allows easy size differentiation.

Set I-17-755

Working cannula set "shoulder and elbow" acc. to van BREE consisting of:

- Set I-17-500
- Set I-17-700





Set I-17-500

Working cannula set "elbow" acc. to van Bree, consisting of:

- I-17-524

Working cannula incl. sharp obturator ID: 2,3mm WL 5,5cm, gold

Working cannula ID: 2,9mm WL 4,8cm, metal

- I-17-535

Working cannula ID: 3,5mm WL 3,5cm, schwarz

Changing rod 2,3mm round / pointed, gold



I-17-024

Set I-17-700

Working cannula set "shoulder" acc. to van Bree, consisting of:

- I-17-728

Working cannula incl. sharp obturator ID: 2,9mm WL 7,5cm, metal

Working cannula ID: 3,5mm WL 6,8cm, black

- I-17-028

Changing rod 2,9mm round / pointed, metal



I-17-028

I-17-535-G

Working cannula with thread ID:3,5mm, WL:3cm (can replace I-17-535)



I-17-002

Sealing caps for small trocar cannulas opening: 2mm 5pcs.

I-17-735-G

Working cannula with thread ID:3,5mm, WL:6,8cm (can replace I-17-735)



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Hand instruments with colour coding are easy to recognize and perfectly to use in small and in large joints according to the patient sizes.

- **Easy handling**
- **Ergonomic design**
- For universal use
- Suitable for Dr. Frizu working cannulas



- AR-17-03S Bajonett knife 2,7mm, silicon handle, autoclavable



- AR-17-05S Banana knife, 2,7mm, silicon handle, autoclavable



- AR-17-06S Currette, small 2,7mm, silicon handle, autoclavable



- AR-17-07S Ring currette, 2,7mm, silicon handle, autoclavable



- AR-17-09S Hook probe, 2,2mm, silicon handle, autoclavable



- AR-17-11S Smilie knife, 2,7mm, silicon handle, autoclavable



- AR-17-12S Mikro picking knife, acc. to Dr. Beale, 2,7mm, silicon handle, autoclavable







Hand instruments

Elevator

AR-17-13

Special elevator, 2,7mm, with handle, metal



Milling Drill acc. to VAN RYSSEN & VAN BREE

The latest development allows cartilage and bone curretage even through the smallest working cannula

I-17-822

Milling drill for arthroscopy, acc.to van RYSSEN D: 2,2mm, WL: 12cm with rotating handpiece, long lasting drill steel, dismantable Constisting of: handpiece (I-17-820) and milling drill (I-17-821) Changeable drill

Rotating handpiece

Instruments for high frequency

Mono-/Unipolar HF/RF cutting electrodes, the electric knife

HF-200-055

High frequency connecting cord comp. to arthroscopic cutting electrodes, handles length: 5 m, for units with 4 mm connector



HF-200-45

High frequency cutting electrode for arthroscopy, 45°, fine tip 4 mm connector, 12 cm



HF-200-90

High frequency cutting electrode for arthroscopy, 90°, heavy version 4 mm connector, 12 cm





Punches, Biopsy Forceps, Rongeurs and Grasping Forceps

2mm Instruments

- AS-17-521

Mini scissors - high performance -D: 2mm, WL:11cm



2,2/2,7 mm Instruments

AT-19-231

Mini-Rongeur - high performance -D: 2,2/2,7mm, WL:11cm Overstraining protection, cleaning connector



2,7 mm Instruments

- AS-17-632

Universal rongeur and grasping forceps D: 2,7 mm, WL:12cm

- with overstraining protection -



- AS-17-641

Rongeur and biopsy forceps, D: 2,7 mm, WL: 12cm

- with overstraining protection -



- AS-17-672

Arthroscopic punch, D: 2,7 mm, WL:12cm

- with overstraining protection -



- AS-17-621

Arthroscopic punchh, D: 2,7 mm, NL:12cm



- AS-17-662 - mit Sperre -

Alligator grasping forceps,

D: 2,7 mm, WL:12cm

small grip



- Overstraining protected
- Wasp waisted design
- Long life span



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Punches, Biopsy Forceps, Rongeurs and Grasping Forceps

3,4 mm Instruments

- AT-19-343

Maxi-Rongeur -high performance-D:3,4 mm,WL:12 cm, with overstraining protection, cleaning connector



- AS-17-762

Rongeur, universal & grasping D:3,4mm,WL:12cm, with overstraining protection



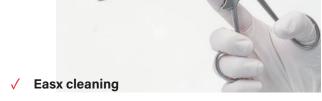
3,5 mm Instruments

- AY-19-463

Arthro grasper, grooves, D:3,5 mm, WL:10 cm, conical pointed, with maximum power U-shaped construction







- Fine and extremely strong
- **Ergonomically adapted with lock**

- AY-19-451 Arthro punch, straight, D:3,5 mm, W L:10 cm conical pointed, with maximum power cut

U-shaped construction





4,0 mm Instruments

AY-19-452

Arthro punch, bent upwards, D:4 mm, WL:10cm conical pointed, with maximum power cut U-shaped construction



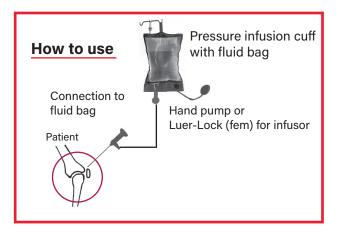






Manual fluid supply system

One of the cheapest options for liquid supply



Pressure Infusion Cuffs



> For high flow fluid supply, please use big infusion tubes

AR-08-100N Pressure infusion cuff

for 500-1000ml with manometer and hand pump reusable high quality manufacturing

Roller pump for fluid supply

Large and small animal arthroscopy



- Quick and easy fluid flow
- Simple speed control
- No disposable accessories

ARR-20

Roller pump

Noise level: max. 50 dBa, very low Pump type: 3-roller peristaltic Flow parameters: up to 525ml/min.

Pneumatic foot switch

Weight: 4,4kg

Size: 190 x 230 x 330mm

Accessories



I-18-518 **Egress cannula**

> with sharp trocar stopcock, ID: 2,7mm, WL: 7cm





Connection: Fluid bag to arthroscope

AR-10-948 Silicon tube

D: 6x2 mm, WL:3 m, autoclavable, Luer-Lock (m), needle f. sterile bags/bottles,

large inner diameter

X-7-20-10 Silicon spare tube

Silicon spare tube, 100cm, large

inner diameter, size: 6x2mm, color: natur

AR-10-9 Needle for infusion bottles/bags

ID: 4 mm, compatible to silicon tubes 3,5-5 mm

LLM-1258 Luer-Lock connector, male

10 mm

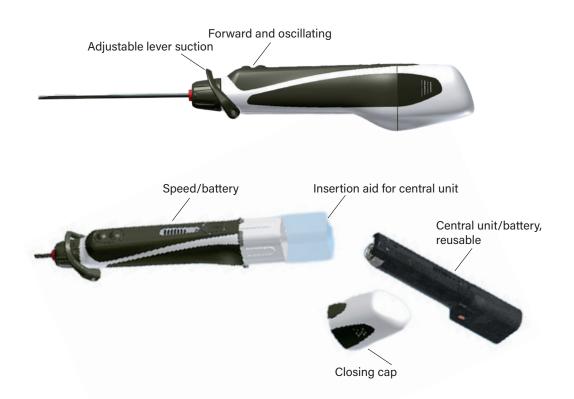
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Cordless single use shaver system for arthroscopy



Starter set (SFR-205SET)

Set consistinf of:

- Central unit motor (SFR-206M)
- Charging station (SFR-205B)
- Burr shaver Ø 4,5mm (SFR-104C)



SFR-206M Central unit - motor

The reusable central unit, the heart of the system, is equipped with state-of-the-art electronics and a rechargeable battery. It provides the surgeon with both standard and advanced features: a powerful brushless motor ensures optimal torque for all arthroscopic procedures, while the durable battery supports even the longest surgeries.

- 6000 rpm
- Approx. 40min. runnig time



SFR-205B Charging station

The charging station accommodates up to four central units, though the central units (motors) are not included with the charging station. When a central unit is inserted, it is checked by an intelligent control system. A display then indicates the battery's charge status.





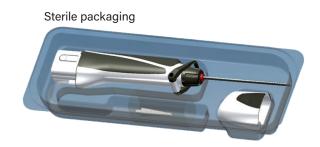




Cordless single use shaver system for arthroscopy

Disposable shaver

- No preparation or sterilization required
- Ready for immediate use
- Integrated tube connection
- Minimum order quantity: 5 pieces



- Aggressive meniscus resection, fast removal of soft tissue during shoulder surgeries.
- Suitable for a combination of soft tissue and bone resection.

Ø	Item No.
3,5mm	SFR-103L
5,0mm	SFR-104L



Versatile aggressive cutting blade: Ideal for extensive tissue removal.

Ø	Item No.
2,9mm	SFR-102N
5.0mm	SFR-104N



- Oval Burr: Fast bone resection.
- Suitable for subacromial decompression.

Ø	Item No.
4,5mm	SFR-104E



 Serrated inner blade and smooth outer blade for effective resection of meniscus, cartilage, and synovium.

Ø	Item No.
3,5mm	SFR-103P



Ball Burr: Ideal for notchplasty and osteochondral cleaning.

Ø	Item No.
4,5mm	SFR-104C





Camera Covers

DE-10-25 **Camera Covers**

> disposable, 1 pcs, polyethylen, 1 3x250 cm, minimal amount 50 pcs





Cleaning accessories

DE-5-17 Cleaning brush, small, 17 cm

for tubes, ID:2-4 mm, autoclavable

DE-10-300 **Disinfection solution IP**

> for flexible and rigid endoscopes. manual and automated use, 1-3% dilution, 5 litres



Soak basin DE-10-425

> for chemical solution disinfection, cons. of basin (perforated) tray & cover for basin, size: 42x16x9,5 cm







Video cart

Completely mounted

- √ 50cm unit size
- ✓ Camera fixation knob
- ✓ Drawer
- ✓ Ask for additional accessories

WV-54043 Video cart, H: 143 cm

size: 62x63 cm, completely mounted, basic version,

color: grey, partly blue, **drawer inbuilt

**fixation knob for video camera head

**specially rust protected max. weight: 150kg/330lbs

(Gastroscope bracket, fixation system. devices and monitor are separate accessory)

WV-53022 Video cart

as above but height 110 cm (without pictures)



WV-54043

WV-45111

Video cart, H: 112 cm,

size:54x58cm,

completely mounted, basic version,

drawer inbuilt with handle max.weight:50kg/110lbs max. unit size: 45cm color:grey, partly blue,



Accessories for Video cart

WV-99619 **Fixation system for infusion bottles**

mounting set

WV-99618G **Gastroscope mount for Dr. Fritz TG series**

inductive charging, with telescope rod

WV-01601 Fixation system for CO² bottles

> mounting set, comp.to video carts for 5-10 litre bottles, max OD: 14,5 c

WV-02851 Fixation system for CO² bottles

> mounting set, comp to video carts for big bottles, max OD: 20,5 cm







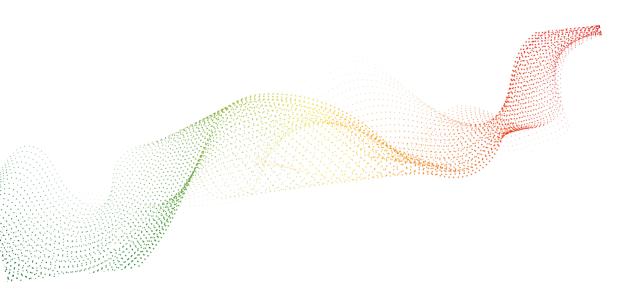
Dogs, Cats, Birds & Exotic Species

Endoscopic equipment



Endoscopy

in Pets, Birds and Exotic Species





Dogs, Cats, Birds & Exotic Species

Endoscopic equipment

Video Compact System 7

More information on page 10

- √ Wireless video transmission
- √ Independent of video tower and light source
- √ Without cable
- √ Easy handling & quick cleaning
- √ Integrated LED light

Chip-in-the-Tip-Technologie robust and unbreakable



General use for small Animal consulting rooms

- Rhinoscopy
- Laryngoscopy
- Dental endoscopy
- Otoscopy
- Vaginoscopy
- Dermoscopy
- Best compliance with the owner

Set 98-VCS7-SE

- VCS7, Ø 3,4mm, WL: 6cm, working channel Ø1,2mm
- 10" monitor receiver
- Application sheaths for ears and oral examination in pets
- Optical grasping forceps
- Flexible grasping forceps Ø1mm, WL: 16cm
- · Ear curette
- Charging station, wall mount
- Antifog, cleaning brushes
- Stainless steel stand for silicone sleeves including charging station
- Inflation pump for dental and gyn







Dogs, Cats, Birds & Exotic Species

Endoscopic equipment

Compact Rhinoscope/Vaginoscope

More information on page

Set (TA20-3SET)

- Compact Rhinoscope/Vaginoscope
- 2 spare batteries
- Charging station
- Charger
- Biopsy forceps
- 3 way stopcock
- Catheter, 1,0mm
- Cleaning brush
- Protection sheath NEW: enables circulation flushing
- 10" monitor receiver

Cordless generation with exchangeable battery, in-built LED's, video camera, HD sender for video transmission & 1,5" control display.



Video Bronchoscope

More information on page

Set TXBH4-54V

- Bronchoscope TXBH4-54
- Charger
- Cleaning brush
- Density tester
- Grasping forceps
- Storage case
- 7" Monitor receiver





Item No.	Length	Ø	Working channel	Transmission
TXBH2-36V	36cm	2,9mm	No working channel	wireless
TXBH4-54V	54cm	3,9mm	1,2mm	wireless



Equine



- Endoscopy of the Nose, Larynx, Teeth
- Dynamic Laryngoscope
- Bronchoscopy
- Gastroscopy
- Laparoscopy / Thoracoscopy
- Vaginoscopy
- Arthroscopy



We are changing veterinary endoscopy



Endoscopic equipment

Nose, Larynx, Teeth



Endoscopy

for large Animals, Equine, Bovine & Camels. Nose, Larynx, Teeth.





Dental - Large Animals

special instruments

LED illuminated mirror

for dental and pharyngeal examination in large animals

- With integrated LED light
- Robust
- Easy handling



Standard version D: 50mm

EB-95-5SET

LED Dental mirror Set large

D: 50 mm, WL:49 cm, complete with bag, anti-glare construction

EB-95-3SET

LED Dental mirror Set, small

D: 38 mm, WL:49 cm, complete with bag, anti-glare construction

Special Elevator

- Robust
- Easy cleaning



I-18-538

Special elevator long

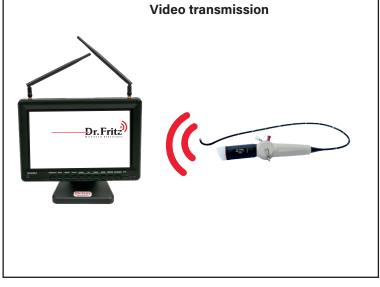
D: 3mm, WL:20 cm, strong version



Flexibles LED Video Sinus Endoscope Wireless video transmission for monitors or PC (<20m)

- Integrated video transmitter
- 2 way defecting
- 1,8 mm working channel

- Towerless application
- Fully immersible
- Easy and quick reprocessing



TXBH5-76V

Wireless video bronchoscope,

OD: 5,9mm, WL: 75cm in-built 5,8 GHz sender for wireless video transmission and Li Ion battery resolution (400x400)

Set consisting of:

- Bronchoscope
- Charger
- Cleaning brush
- Density tester, case
- 7" receiver monitor







LED Dentalstick HD "Water Jet"

wireless, digital transmission



Luer connection for manual and automatic flushing

- Wireless
- 5,8 GHz sender
- HD video quality
- 3 LEDS for perfect illumination
- Integrated flushing
- Luer connection
- 90° side view und 140° field of vision

The first dental endoscope with integrated irrigation



Dentalstick professional HD complete set



TD-92HDS

Dentalstick HD "Water Jet" set

• Ø 12mm, NL:46cm, Wireless Cordless high end video endoscope, in-built LED light and 5,8GHz sender

resolution: PAL,HD 1280x720pxs

- 140° field of vision
- with integrated flushing

rechargeable Li battery,

Luer connector (f)

Set consisting of:

- Dentalscope HD
- Charger
- Short silicone tube with Luer connection on both sides (m/f)
- 7" receivers monitor, DVR
- 7" Empfänger-Monitor mit Rekorder
- Transportkoffer

Wireless transmission Ðr. Fritz[®]



68 2025

LED-Dentalstick ECO

Equine

wireless, digital transmission



Dentalstick ECO complete set



TD-93ECS

Dentalstick ECO SET

- Ø 14mm, WL:46cm, wireless Resolution: PAL 768x756px
- Length: 70cm
- 120° field of vision

Set consisting of:

- Dentalstick ECO
- Charger
- 5" Monitor
- Case







Equine Training Laryngoscope

NextGen4 Dynamic and Overground Endoscopy



Training Laryngoscope

- NextGen4 -





Equine Training Laryngoscope

NextGen4 dynamic and overground endoscopy



- √ Self-holding fixation
- **Head mounted system**
- Direct video and audio recording
- No data reduction
- Wireless video control
- Flushing pump with control
- Remote controlled recording and flushing
- Mucus resistant video head

The dynamic laryngeal examination even easier

Our invention and first publication of an equine training laryngscope in 2007 was followed by many market requests. Taking our experiences from the first generation, we have developed a completely head mounted and modular system. It will allow even very young horses to be examined.

Additional weight is just 950g on each side of the cheeks. The rider is not involved at all during the exam.

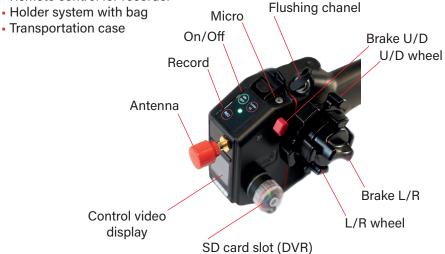
Our recording and video transmission includes automatic audio.

Mounting, fixation and dismounting is fast and uncomplicated.

Service and replacements can be done immediately due to the modular construction.

Set ETL4-86SET

- Trainings-laryngoscope ETL4-86
- Charger
- Flushing pump with control
- 5" video controle unit
- Remote control for recorder







71 2025



Set ETL4-86SET



Charger magnetic (TV27-NET)





Video controle unit (TXM7-60R-ETL)



Flushing pump (ETL4-4NS)



Holder system with bag (ETL4-85HT)





Case for NextGen4 Size: 56x41x11cm (K-5641-10)



Literatur

S.H. Franklin (2009)

Endoscopy of the upper airways during exercise: Technique and clinical applications. 11th Geneva Congress on Equine Medicine and Surgery. Geneva(CH), 15-17 December 2009

L-M. Desmaizieres & N. Serraud & B. Plainfosse & A. Michel & Y. Tamzali (2009)

Dynamic respiratory endoscopy without treadmill in 68 performance Standardbred, Thoroughbred and saddle horses under natural training conditions. Equine Vet. J. 41, 347-352

S.H. Franklin & J.F. Burn & K.J. Allen (2008)

Clinical trials using a telemetric endoscope for use during over-ground exercise: a preliminary study. Equine Vet J. 40 (7):712-5.

R.M. Fritz (2007)

New possibilitis of laryngoscopy in the field. 10th Geneva Congress, 11.-13.12.2007





Video- Bronchoscope

Professional bronchoscopes - connection for insufflation, irrigation and suction



Video Bronchoscope

- NextGen4 -

Tips & tricks Device care for flexible endoscopes







Video- Bronchoscope

Professional bronchoscopes - connection for insufflation, irrigation and suction



- √ Integrated sender for wireless video transmission
- √ Integrated video camera with LED light
- ✓ Integrated DVR
- ✓ Ergonomic body
- √ Easy handling, quick cleaning and disinfection

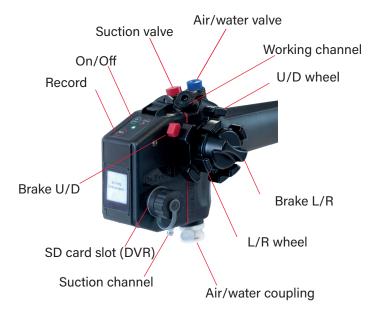
New Generation - NextGen4

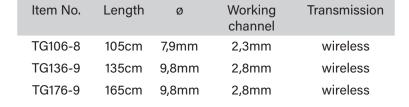
- Integrated control display
- Integrated SD card slot
- Fully soakable
- Truely mobile

Set	TG176-9B
-----	-----------------

- Bronchoscope TG176-9
- Charger
- Cleaning adapters
- Cleaning brush
- Density tester
- Guttural pouch probe
- 5" Receiver-monitor, recorder
- Transportation case

Optional: wall mount











Set TG176-9B



Charger magnetic (TV27-NET)





Cleaning adapters (TW132-24S)



5x Cleaning brush (F28-280E)



Density tester (EF-23)



Guttural pouch probe (F22-22046)



5" Receiver-monitor, recorder (TXL2-580M)





Case for NextGen4 Size: 56x41x11cm (K-5641-10)





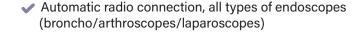
Several applications

Equine

Multi receiver capable



Receiver - monitor





TXL2-580M

5" Receiver-monitor, recorder

- mSD card slot, automatic scan, battery
- With arm strap

TXM7-60R

7" Receiver-monitor, recorder

• mSD card slot, automatic scan, battery

NEW: Time and labelling stamps for patient data

TXM10-58R

10" Receiver-monitor,recorder

· mSD card slot, automatic scan, battery

TXM10-60R

10" Receiver-monitor,recorder

mSD card slot, automatic scan, battery

NEW: Time and labelling stamps for patient data







M-LCD-22PC

21" LCD PC

· With in-built receiver and recorder

TXL1-7-NO2

Receiver for Apple & Windows

· Incl. USB grabber





M-LCD-21SK

21" Video monitor HD

• With in-built receiver for scopes

TXL1-583

TV receiver for monitor

Video-Out

TGR-40

Multi HD radio receiver

HDMI out





Additional equipment Video Bronchoscope

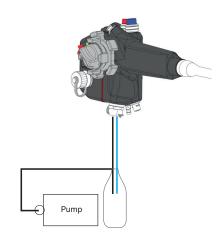
Air/water pump

For lens cleaning and inflation

TW4-250SE

- Air/water pump (H150-1-1)
- Air/water twin tube (TW4-133)
- Fixation for bottle (TW4-261H)
- Bottle 250ml (TW4-250)





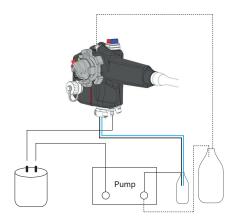
Suction-/irrigation pump

For lens cleaning, inflation and suction. For small and large animal practice.

H140-3S

- Suction & irrigation pump (H140-3)
- 1 li. suction bottle (H160-AB-43)
- 1 li. flushing bottle (H160-AB-7)
- Tubes & transformer
- Sterile filter (AR-10-922)





Wall mount

Wall mount for inductive charging - always ready for use, perfectly stored and optimally drying.

TGX-25S

- Wall mount
- Power supply
- Mounting material







Catheter, injection needle, guttural pouch probe



F20-220

Teflon catheter with luer-lock connector

- OD: 2 mm, WL: 235 cm
- Autoclavable

F20-219

Spare catheter

- OD: 2 mm, WL: 10 m
- Autoclavable

LLW-1220

Luer-lock connector

- Female OD: 2 mm
- Autoclavable



F22-16045

Guttural pouch probe

• OD: 2,2 mm, WL: 165 cm

F22-22046

Guttural pouch probe

• OD: 2,2 mm, WL: 230 cm



F231-220

Injection needle with teflon tube, luer- look connector

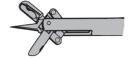
• OD: 2,2 mm, WL: 235 cm, Needle: 0,9x6 mm

Biopsy-grasping forceps, hooks, brush

B22-16011

Biopsy forceps with spike

• OD: 2,4 mm WL: 165 cm



B22-22011

Biopsy forceps with spike

• OD: 2,4 mm WL: 230 cm



Biopsy forceps with spike

• OD: 2,3 mm WL: 360 cm



Grasping forceps

• OD: 2,2 mm WL: 160 cm



F22-22041

Grasping forceps

OD: 2,2 mm WL: 230 cm

F23-3604

Grasping forceps

• OD: 2,3 mm WL: 360 cm



B23-180E

Disposable biopsy forceps steril

• OD: 2,3 mm WL: 180 cm



Disposable biopsy forceps steril

• OD: 2,3 mm WL: 230 cm



F23-16042

Grasping forceps "foreign body"

• OD: 2,3 mm WL: 160 cm



F23-22042

Grasping forceps "foreign body"

• OD: 2,3 mm WL: 235 cm





Additional equipment

Video Bronchoscope

FK23-1635

Basket size: 4,5 x 6cm 6 wires

• OD: 2,2mm WL: 160 cm



FK23-1637

Basket size: 5 x 10cm 6 wires

OD: 2,3mm WL: 160 cm

FK23-2035

Basket size: 4,5 x 6cm

6 wires

OD: 2,3mm WL: 230 cm



F22-16040

Grasping forceps 3 hooks

• OD: 2,2 mm WL: 165 cm

F22-22040

Grasping forceps 3 hooks

• OD: 2,2 mm WL: 230 cm



F28-1709

Cleaning brush

• OD: 2,6-3,5mm WL: 150 cm



• OD: 2,6-3,5mm WL: 230 cm



F28-3008

Cleaning brush

• OD: 2,6-3,5mm WL: 330 cm



F28-280E

Disposable cleaning brush, steril, 10pcs./pack

• OD: 1,8-2,8mm WL: 210 cm

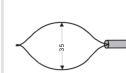




SL23-2310

Asymmetric polypectomy snare complete with tube, without handle

• OD: 2,2mm, WL: 230cm wide: 25mm



SL23-1612

Symmetric polypectomy snare complete with tube, without handle

• OD: 2,2mm, WL: 165cm wide: 35mm

SL23-2312

Symetric polypectomy snare complete with tube, without handle

• OD: 2,2mm, WL: 220cm wide: 35mm



Suction-coagulation electrode monopolar, luer-lock connctor

• OD: 2,2 mm, WL: 165 cm



HF-301-ER

HF- connecting cord monopolar, com. to Erbe units 4mm

Lenght: 3 m



HF22-2301

Suction-coagulation electrode monopolar, luer-lock connctor

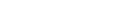
• OD: 2,2 mm, WL: 235 cm



HS11-1200

Handle for polypectom, HF snares

Standard connections







Cleaning accessories

Video Bronchoscope

■ For rigid & flexible endoscopes / instruments

DE-10-702 Dr. Fritz enzymatic cleaning FLEX 1,5 %,

1 x 1 l, 7 enzymes, 0,5% specially for flexible endoscopes for daily manual cleaning



DE-10-300 "IP" Disinfection solution

for flexible and rigid endoscopes, manual and automated use, 1-3% dilution, 5 litres



Option for cleaning of flexible endoscopes in the field



- √ Close the lid and ready for transport
- √ Fast and easy pre-cleaning after the last examination
- √ For semi- or fully automatic cleaning
- √ For all flexible endoscope types
- √ Usefull in drawer cabinets
- √ With airing



Stackable



DE-17-44S

Transportation & storage basin

for flexible endoscopes, 50x44x16 cm, set with cover

consisting of:

- Basin (DE-17-44)
- Cover transparent (DE-17-41)



Hygiene, cleaning and care

Pre-cleaning in the external practice



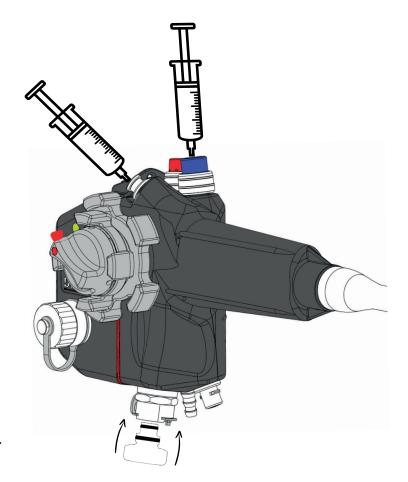
Disinfection without prior pre-cleaning is counterproductive, as it only fixes dirt particles on the surface instead of removing them.

1. Preparation

- Cleaning wipes
- Cleaning solution (DE-10-702)
- Alcohol wipes
- Distilled water
- Syringe
- Gloves

2. Cleaning

- Fill syringe with cleaning solution. Flush channels through:
 - Air/water valve
 - Working channel
- Soak the cleaning wipe with cleaning solution.
- Wipe the exterior with the soaked cleaning wipe. Make sure to carefully clean the lens.
- Fill the syringe with distilled water. Flush channels through:
 - Air/water valve
 - Working channel
- Wipe the exterior with alcohol wipes.
- Fill the syringe with air and flush the channels.



The main cleaning in the evening is essential





Professional gastroscopes - connection for insufflation, irrigation and suction



Video Gastroscope

- NextGen4 -





Professional gastroscope - connection for insufflation, irrigation and suction



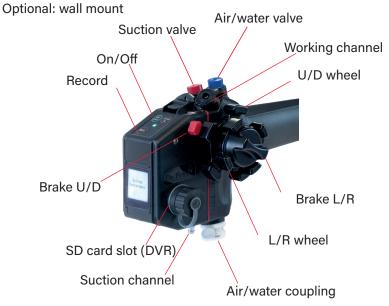
New Generation - NextGen4

- Integrated control display
- Integrated SD card slot
- Fully soakable
- Truely mobile

It	tem No.	Length	Ø	Working channel	Transmission
T	G326-12	320cm	12mm	3,2mm	Wireless

Set TG326-12G

- Gastroscope TG326-12
- Charger
- Cleaning adapters
- Cleaning brush
- Density tester
- Biopsy forceps
- 10" Receiver-monitor, recorder
- Air/water pump
- Transportation case







Set TG326-12G



Charger magnetic (TV27-NET)





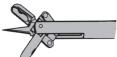
Cleaning adapters (TW132-24S)



Cleaning brush (F28-3008)



Biopsy forceps (B23-3601)



Density tester (EF-23)



Air/water pump (TW4-250SE)



10" Receiver-monitor, recorder (TXM10-58R)



Case for NextGen4 Size: 56x41x11cm (K-5641-10)





Additional equipment Video Gastroscope

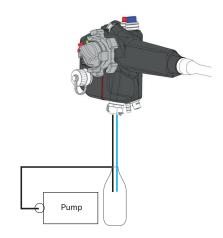
Air/water pump

For lens cleaning and inflation

TW4-250SE

- Air/water pump (H150-1-1)
- Air/water twin tube (TW4-133)
- Fixation for bottle (TW4-261H)
- Bottle 250ml (TW4-250)





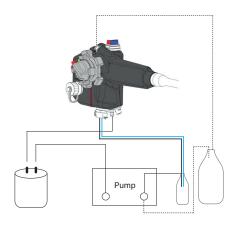
Suction-/irrigation pump

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H140-3S

- Suction & irrigation pump (H140-3)
- 1 li. suction bottle (H160-AB-43)
- 1 li. flushing bottle (H160-AB-7)
- Tubes & transformer
- Sterile filter (AR-10-922)





Wall mount

Wall mount for inductive charging - always ready for use, perfectly stored and optimally drying.

TGX-25S

- Wall mount
- Power supply
- Mounting material







Cleaning accessories

Video Bronchoscope

For rigid & flexible endoscopes / instruments

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1 x 1 l, 7 enzymes, 0,5% specially for flexible endoscopes for daily manual cleaning



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- √ For semi- or fully automatic cleaning
- √ For all flexible endoscope types
- √ Usefull in drawer cabinets
- √ With airing



Stackable



DE-17-44S

Transportation & storage basin

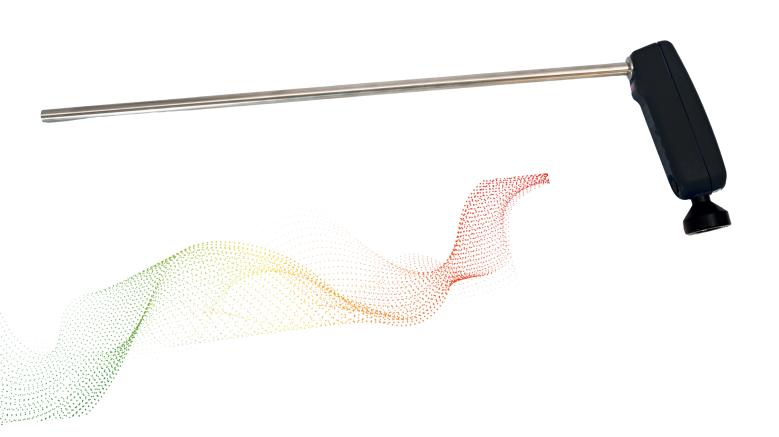
for flexible endoscopes, 50x44x16 cm, set with cover

consisting of:

- Basin (DE-17-44)
- Cover transparent (DE-17-41)



Endoscopes and instruments for laparoscopic/thoracoscopic surgery



Video Laparoscope

in Large Animals





/ Thoracoscopy Laparoscopy

Endoscopes for diagnostic and surgical laparoscopy

Video Version

WL: 50 cm

- Integr. 5,8GHz Videosender
- Ideal for the mobile surgery
- Easy handling
- Fully immersible
- Magnetic self positioning connector



TS50-10ES Video laparoscope, 0°, 10 mm, 50 cm, SET

cordless HD-PAL endoscope for large animals with 5,8 HGz radio transmission built-in LED light, rechargeable Li battery, fully immersible Set consisting of:

- video laparoscope (TS50-10E)
- power adapter (TV27-NET)
- 5" monitor receiver (TXL2-580M)









Trocar cannulas with magnetic valve, safety trocars

Trocar cannulas are designed with different types of valves to reduce or to avoid CO2 loss when changing instruments and telescope during laparoscopy and thoracoscopy. Our reusable and patented magnetic valve trocar system has several advantages compared to other valve types. First of all they are light in weight and because of the valve construction, the insertion of instruments and scopes will pass smoothly through without scratching or touching the front lense like in a ball system or in a socalled automatic valve system. In addition there is nearly no gas loss even when changing instruments. There are no mechanical parts to clean inside except the magnetic flap itself which is a great help to your staff.

Safety trocar







Tissue pressure exposis the sharp tip



Inner diameter 5,5mm

for standard 5mm instruments

231-265V Cannula only, magnetic valve

> ID:5,5mm, WL:20cm, inflation stopcock

231-161V Safety trocar only comp. to cannulas

ID:5,5mm, WL: 20cm,

fully dismantable, with cork screw handles

231-129 **Trocar only**

with pyramidal tip for

trocar with ID: 5.5mm, WL:20cm



231-129

Inner diameter 10mm

For optical and 10mm instruments

230-264V Cannula only, magnetic valve

> ID: 10 mm, WL: 20 cm, inflation stopcock

230-161V Safety trocar "Cavi Save"

> ID: 10 mm WL: :20 cm only comp. to cannulas,

with cork screw handles, fully dismantable

(without picture)





Trocar cannulas with magnetic valve, safety trocars

235-111

Trocar only with sharp tip for trocars

ID: 16 mm, WL: 15 cm (without picture)

Inner diameter 16mm

For stapler and tissue extraction or biopsy

635-203 Cannula only, magnetic valve

ID: 16 mm, WL: 15 cm, without stopcock,

trinox (without picture)

Special trocar acc. to Dr. Marien

Closing of the spleen-kidney-space in equine

TR-23-250 Working trocar acc. to Dr. Marien

ID: 23 mm, WL: 16 cm, without valve,

consisting of:

cannula (TR-250), sharp trocar (TR-23)

Accessories



Caridia Offiy Wagnetic Valve flap Sealing Caps					
231-211 Sealing caps for Ø 5,5mm, blue Package of 10 pieces	631-901 Magnetic valve body, Ø 5mm With Magnetic Head-/valve flap & sealing caps				
234-211 Sealing caps for Ø 8mm, white Package of 10 pieces	634-901 Magnetic valve body, Ø 8mm With Magnetic Head-/valve flap & sealing caps				
230-211 Sealing caps for Ø 10mm, red Package of 10 pieces	630-901 Magnetic valve body, Ø 10mm With Magnetic Head-/valve flap & sealing caps				
231-215 Magnetic valve flap for Ø 5,5mm cannulas Package of 2 pieces	630-902 Spare stopcock Complete with spring nut				
230-215 Magnetic valve flap for Ø 8/10/11/12/13 mm cannulas Package of 2 pieces	630-903 Spare spring nut				
236-217 Sealing ring for Trinox trocar cannulas for Ø 3,5mm & 5,5mm Package of 5 pieces	230-217 Sealing ring for Trinox trocar cannulas for Ø 8, 10, 11, 12, 13mm Package of 5 pieces				
230-505 Snap reducer for cannulas from Ø 10mm to 5,5mm	237-510 Snap reducer for cannulas from Ø 13mm to 10mm				



Palpation, Dissection and Puncture Instruments

Thoracoscopy first puncture needle

Puncture needle for thoracoscopy, TR-03-201

ID:3 mm, WL:20 cm, incl. sharp trocar

L-47-210 Injection system and probe

5mm, WL: 47cm protected interchangable needle with outer tube, complete, consisting of:

Inside tube, LL(f) connector (L-47) Outer tube/probe L-47-2 Needle, 1x26mm, 1 piece (L-210)

L-210 Injection cannula

spare needle, thin

size: 1x26 mm, compatible to L-33/47,

2 pieces

L-218 Injection cannula

spare needle, large

size:1,9x26 mm, compatible to L-33/47

2 pieces

L-218R Injection cannula

spare needle, rounded

size: 2x28 mm, compatible to L-33/47

2 pieces

Knot tier

Knot tier, standard version L-19-544

D: 5mm, WL: 40cm

easy filling, suture size up to 1metric



Easy handling, easy to tighten, additional cutting





Standard instruments, 5mm

We are currently optimizing our 5 mm instruments for you. Individual components may be available upon request — feel free to contact us!

Handles

- With or without lock
- HF connector
- Plastic or standard handles



- Long life span one system
- Compatible for 5mm trocar cannulas

Tubular sheaths

- 5 mm Ø
- Different working lenghts
- Rotatable through 360°
- Or fixed
- Insulated

Each jaw insert and outer sheath can be used with any type of handle.

Instrument can be completely dismantled

Scissors

531.04H05V Hook scissors, 5mm, 33cm, single action

jaws, insulated, rotatable, dismantable, high quality,

consisting of:

jaws insert (53M04), sheath (53 R 1) handle (H05), color code:white

Biopsy forceps

531.61H01V Biopsy forceps, 5mm, 33cm,

double action jaws, dismantable,

consisting of:

jaws insert (53M60), sheath (53R1) handle (H01), color code:black







Equine

Standard instruments, 10mm



141.11H05B Large surgery scissors, Ø 10mm, WL: 45cm

Robust, straight, rotatable,

Handle isolated



141.25H21B Grasping forceps Pennington, Ø 10mm, WL: 45cm

Rotatable, handle isolated with ratchet



141.26H21B Babcock grasping forceps, Ø 10mm, WL: 45cm

Rotatable, handle isolated with ratchet



141.48H21B Mixter grasping forceps, long, Ø 10mm, WL: 45cm

Rotatable, handle isolated with ratchet



146.32H21B Claw grasping forceps, Ø 10mm, WL: 45cm

Rotatable, handle isolated with ratchet



Needle holders

Axial handle, ergonomic, stable, OD: 5mm

- Extremely stable
- Needle self positioning



straight, OD: 5mm, WL: 43cm axial handle, LL connector

L-19-563 Needle holder

> angled upwards, OD: 5mm, WL: 43cm axial handle, LL cleaning connector

- needle self positioning jaw -







Special devices - suction and irrigation

Suction-/irrigation pump

For lens cleaning, inflation and suction. For small and large animal practice.

- ✓ Easy handling
- ✓ Quiet
- ✓ Fine setting option
- ✓ Ideal for small and large animal practices



Especially suitable for gastroenterology

H140-3S Suction-/irrigation pump

consisting of:

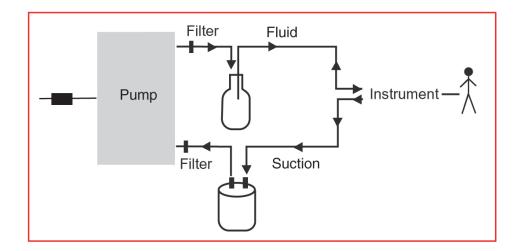
Suction & irrigation pump (H140-3) 1 li. suction bottle (H160-AB-43) 1 li. flushing bottle (H160-AB-7) Tubes & transformer Sterile filter (AR-10-922)

H160-AB-43 Spare suction bottle

1 litre with lid

H160-AB-7 Spare flushing bottle

1 litre with lid





CO₃Inflator, electronically monitored

- small and large animal
- reusable tubing
- bacterial filter
- economical



741-025V CO₂ Inflator, electronically monitored,

max. 20 litre, complete without bottle automatic pressure reduction system, DIN gas connection type, 115-230 VAC, 50-60Hz, DIN IEC 601/1, DIN VDE 871

Accessories



Spare Silicon tube, 3m, for CO₂ inflation, 741-009-1

incl. connector, autoclavable

741-009-FF Sterile filter system for CO₂ -inflator

> disposable, box with 50 pcs. medical connection D:22mm

741-002 CO, high pressure tube, 1m

DIN connector, screw both sides

741-009V-PN CO, high pressure tube, 0,8m

compatible to PIN Index bottle (without picture)

Sterile product return shipment not accepted





High frequency unit, High speed, Typ Atom

High frequency unit, High speed - with vessel sealing technique. Parallel usage of all outputs.

- Adapter for instruments other manufacturers on request
- uncomplicated use
- up to date safety regulation
- vessel sealing with confirmation signal
- compatible to all instruments on the market
- program via Touch Screen
- SDS self detecting system



HF-401-TH HF/Radio frequency unit, High End Thermo Stapling (vessel sealing), touch-screen programmable, latest mono & bipolar technique SDS - self detecting system incl. high speed vessel sealing delivery without accessories, 400W, 230VAC, 50/60Hz

Specifications:

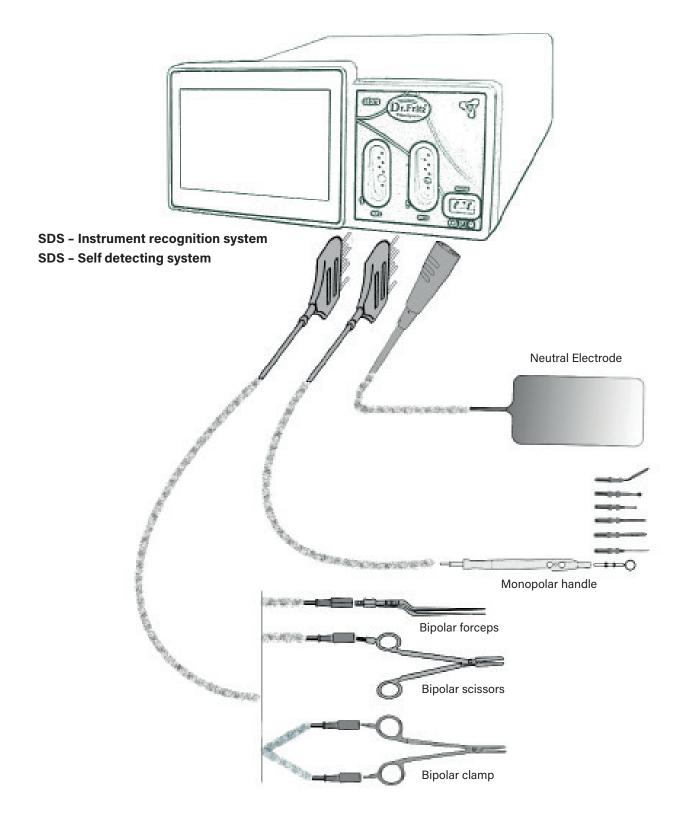
0,000000		
Monopolar	Cutting Coagulation Soft/Forced	400 W 200 W + / +
Bipolar	Cutting Coagulation Auto Start/Stop	400 W 200 W + / +
Bipolar	Thermo-Stapling Thermo sealing Auto Stop	+ 300 W + +
Weight	7 kg	
max. power		420 W





High End with thermo sealing

Surview







Recommended Set

SET-LAP PF BASIC

- T501-1030 Wide angle telescope for large animals
- 231-265V Cannula only, magnetic valve ID: 5,5mm, 20cm
- 231-161V Safety trocar only comp. to cannulas
- Cannula only, magnetic valve, ID: 10mm, 20cm
- 230-161V Safety trocar only comp. to cannulas
- 637-202 Cannula only, magnetic valve, ID: 13mm, 15cm
- 237-103 Trocar only with pyramidal tip
- TR-23-250 Working trocar acc. to Dr. Marien, 23mm, 16cm
- 230-505 Reducer adapter for trocars 5,5mm

- 237-505 Reducer adapter for trocars 10mm
- 237-510 Reducer adapter for trocars 15mm
- L-47-210 Injection system and probe, 5mm, 47cm
- Puncture and irrigation needle, 3mm, 20cm
- 141,48H01V Dissection forceps (Maryland), 10mm, 37cm
- 141.26H11V Babcock grasping forceps, 10mm, 37cm
- 141.32H11V Grasping forceps, 10mm, 37cm
- 141.11H05V Mayo-scissors, 10mm, 37cm, - Super cut -

SET-LAP PF VIDEO

- TV50-10S Video-Laparoscope, wireless, 10mm, 50cm
- TSM10-58N 10" Receiver monitor
- 231-265V Cannula only, magnetic valve, ID: 5,5mm, 20cm
- 231-161V Safety trocar only comp. to cannulas
- 230-264V Cannula only, magnetic valve, ID: 10mm, 20cm
- 230-161V Safety trocar only comp. to cannulas
- Cannula only, magnetic valve, ID: 13mm, 15cm
- 237-103 Trocar only with pyramidal tip
- TR-23-250 Working trocar acc. to Dr. Marien, 23mm, 16cm,

- Reducer adapter for trocars 5,5mm
- 237-505 Reducer adapter for trocars 10mm
- 237-510 Reducer adapter for trocars 15mm
- L-47-210 Injection system and probe, 5mm, 47cm
- TR-03-201 Puncture and irrigation needle, 3mm, 20cm
- 141.48H01V Dissection forceps (Maryland), 10mm, 37cm
- 141.26H11V Babcock grasping forceps, 10mm, 37cm
- 141.32H11V Grasping forceps, 10mm, 37cm
- 141.11H05V Mayo- scissors, 10mm, 37cm, - Super cut -



Professional video vaginoscope, wireless, for diagonostic use and treatment



Compact Video Vaginoscope

worldwide, unique and up to now unmatched easy in practical use



Control display



Battery replaceable



Compact Video Vaginoscope

Equine

Professional video vaginoscope, wireless, for diagonostic use and treatment

For practicioners and universities



- **Battery replaceable**
- Control display on the endoscope
- Integrated sender 5,8 GHz
- **Integrated LED light**
- Easy handling & quick cleaning
- **Fully immersible**

Set TQ52-28PF

Compact Video Vaginoscope & speculum for equine. Cordless generation with exchangeable battery, built-in camera with 5,8 GHz radio transmission, LED light, 1,5" display. Both completely soakable when vaginoscope and battery are separated.

- Compact Video Vaginoscope
- Obturator, blunt
- 2 spare batteries
- Charging station
- Charger
- Reducer adapter
- 21" monitor receiver

Accessories to be used as transvaginal laparoscope

TQ52-65

Fornix perforator / cross trocar, 26x570mm. Compatible with TQ52-28PF.

- Trocar & blade guide (TQ52-65-1/2)
- Spare blades, 12 pcs./pack (TQ52-66KL)
- Spare part set, hexagonal wrench, spring, protection caps (TQ52-65ER)



Spare parts

Reducer adapter

for TQ52-28, Luer (fem), cap w.5-10mm (234-211), opening and cover cap (234-600) (TQ52-E)

Scalpel blades

No.20 for trocar TQ52-65, individuallypacked, 12pcs/pack (TQ52-66KL)





Individual parts TQ52 series

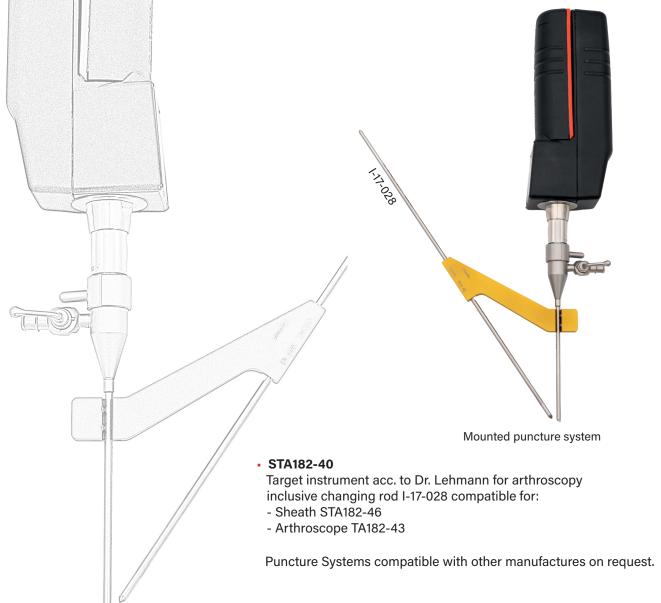




Innovation in arthroscopy

Developed an tested at the Veterinary Faculty of Vienna, Austria

During recent years, as arthroscopy has developed, researchers realized the necessity of a specific puncture system to create an instrument portal in the larger joints. Due to the dense muscle mass in , creating a puncture for a working cannula is often quite difficult. If a clean puncture allowing access directly to the joint is not achieved the first time, the risk of a subsynovial oedema increases greatly, thus decreasing the time frame to complete the surgery with each failed puncture. The shoulder puncture system has been specifically designed to help eliminate this risk. The system allows you to align your arthroscope accurately in the joint space. Simply attach the puncture system to the arthroscopic sheaths and maintain your arthroscopic vision in a parallel direction to the shoulder joint rim. At this point you will find the working triangulation portal in an ideal position. After a puncture is created with the desired trocar, simply replace the trocar with a working cannula and start working with your instruments.





Hand instruments

Dr. Fritz hand instruments are especially designed for large animal arthroscopy

Basic instrument set

- Special design
- Long life span

I-18-520 Hook probe

for arthroscopy, OD: 3mm, WL: 12cm strong version, heavy handles



I-18-521 Special knife

for arthroscopy, OD: 3mm, break safe special cut, heavy handles



I-18-601 Curette

straight, strong version, cup oval, size: 6x4mm



I-18-517 Elevator

extra strong, curved 6mm



I-18-110 Osteotome

straight, 4mm







Special hand instruments

I-18-518 Irrigation cannula with sharp trocar

stopcock, ID: 3 mm, WL: 7 cm



Irrigation cannula with sharp trocar

stopcock, ID: 4 mm, WL: 7 cm



TR-03-201 Puncture needle, big

ID: 3 mm, WL: 20 cm incl. sharp trocar



I-18-635 Special curette

straight, strong version, oval cup: 5,5 mm, 3 mm opening and LL(f) suction connector, WL:12cm





- Extremely durable
- Easy cleaning
- Bypass opening

I-18-621 Curette, 35°

oblique left, strong version, cup oval, size: 6x4 mm



I-18-622 Curette, 35°

oblique right, strong version, cup oval, size: 6x4 mm





Rongeurs High quality instruments with long life span, extremely durable, especially designed for arthroscopy

Power line, the strong

- Heavy handles
- Extremely durable

Rongeur "Power line", oval cup, straight, I-18-973

5x10 mm, WL:15 cm, extremely durable,

heavy handles

I-18-974 Rongeur "Power Linie", small tip, straight,

fenestrated, 5 x 10 mm, WL: 15 cm, extremely durable, heavy handles



Instruments for high frequency

Instruments for high frequency

Mono-/Unipolar HF/RF cutting electrodes, the electric knife

• HF-200-055

High frequency connecting cord comp. to arthroscopic cutting electrodes, handles length: 5 m, for units with 4 mm connector



HF-200-45

High frequency cutting electrode for arthroscopy, 45°, fine tip 4 mm connector, 12 cm



• HF-200-90

High frequency cutting electrode for arthroscopy, 90°, heavy version 4 mm connector, 12 cm





- Robust
- Easy cleaning

I-18-536 Special elevator for the roof joint,

acc. to Dr. Zöttl, 3mm, WL: 8cm, strong version



AR-17-19S **Hook knife**

2,7 mm, silicon handle autoclavable, colour code



I-18-534 **Special elevator** for sesamoide fractures acc. to Dr. Foerner, 4 mm curved, long



Rongeurs instruments with long life span, extremely durable, especially designed for arthroscopy

Standard line, the optimally adapted ones

I-18-662 Rongeur "standard line"

cup size: 4x8 mm, oval, angled upwards, fenestrated

WL: 11 cm



I-18-661 Rongeur "standard line"

cup size: 4x8 mm, oval, straight, fenestrated, WL: 11 cm

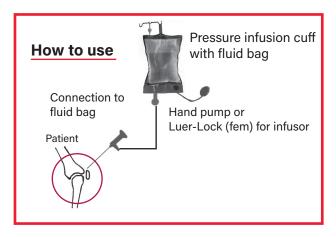






Manual fluid supply system

One of the cheapest options for liquid supply



Pressure Infusion Cuffs



> For high flow fluid supply, please use big infusion tubes

■ AR-08-100N Pressure infusion cuff

for 500-1000ml with manometer and hand pump reusable high quality manufacturing

Roller pump for fluid supply

Large and small animal arthroscopy



- Quick and easy fluid flow
- Simple speed control
- No disposable accessories

ARR-20

Roller pump

Noise level: max. 50 dBa, very low Pump type: 3-roller peristaltic Flow parameters: up to 525ml/min.

Pneumatic foot switch Weight: 4,4kg

Size: 190 x 230 x 330mm

Automatic fluid supply

The innovative infusion solution for horses

The state-of-the-art system can be effortlessly attached to the horse using a girth strap, allowing the animal to remain fully mobile during the infusion. Particularly practical is the use of the pressure infusor both in the stable and in the operating room: it can be used flexibly without an IV stand, providing added flexibility in the operating room as well as on the premises.

- √ Constant fluid delivery
- √ Energy free
- ✓ No maintenance
- ✓ No altitude impact

ARM-10

Mechanical pressure infusor

337 mm x 252 mm x 116 mm Dimensions:

Weight:

Infusion pressure: 100 to 200 mbar (depending on the bag size)

Flow range: 0 bis 8,3 litres/hour

(nach ISO 8536-4), 5 litres/hour

95% bis 100% Empty rate:

Norms: ISO 8536-4 and ISO 28620



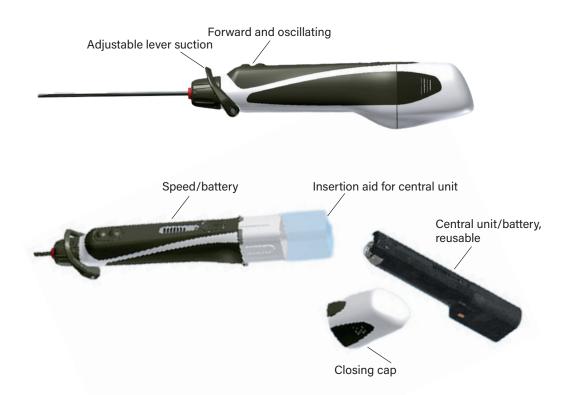


Dr. Frit





Cordless single use shaver system for arthroscopy



Starter set (SFR-205SET)

Set consistinf of:

- Central unit motor (SFR-206M)
- Charging station (SFR-205B)
- Burr shaver Ø 4,5mm (SFR-104C)



SFR-206M Central unit - motor

The reusable central unit, the heart of the system, is equipped with state-of-the-art electronics and a rechargeable battery. It provides the surgeon with both standard and advanced features: a powerful brushless motor ensures optimal torque for all arthroscopic procedures, while the durable battery supports even the longest surgeries.

- 6000 rpm
- Approx. 40min. runnig time



SFR-205B Charging station

The charging station accommodates up to four central units, though the central units (motors) are not included with the charging station. When a central unit is inserted, it is checked by an intelligent control system. A display then indicates the battery's charge status.





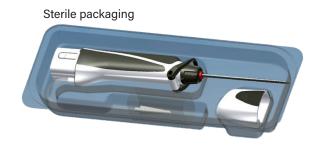




Cordless single use shaver system for arthroscopy

Disposable shaver

- No preparation or sterilization required
- Ready for immediate use
- Integrated tube connection
- Minimum order quantity: 5 pieces



- Aggressive meniscus resection, fast removal of soft tissue during shoulder surgeries.
- Suitable for a combination of soft tissue and bone resection.

Ø	Item No.
3,5mm	SFR-103L
5,0mm	SFR-104L



 Versatile aggressive cutting blade: Ideal for extensive tissue removal.

Ø	Item No.
2,9mm	SFR-102N
5,0mm	SFR-104N



- Oval Burr: Fast bone resection.
- Suitable for subacromial decompression.

Ø	Item No.
4,5mm	SFR-104E



 Serrated inner blade and smooth outer blade for effective resection of meniscus, cartilage, and synovium.

Ø	Item No.
3,5mm	SFR-103P



- Ball Burr: Ideal for notchplasty and osteochondral cleaning.

Ø	Item No.
4,5mm	SFR-104C



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Accessories







Camera covers

DE-10-25

Camera covers, disposable, 1pcs. polyethylen, 13x250 cm minimum order 25 pieces



Cleaning accessories

DE-5-17 Cleaning brush for small cannulas with ID: 2-4 mm, WL: 17 cm

DE-10-300 **Disinfection concentrate IP**

for rigid and flexible endoscopes. For manual and automated use, 1-3%ige dilution, 5 litres



for chemical solution disinfection, consisting of basin (perforated) tray&cover for basin, size: 42x16x9,5 cm I-18-518 Irrigation cannula with sharp trocar

stopcock, ID: 2,7 mm, WL: 7 cm,

luer connection

Connection: Fluid bag to arthroscope

AR-10-948 Infusion tube, set complete,

> with needle for sterile bags/bottles, Luer-Lock (m), silicon, 6x2 mm, 3 m, large inner diameter, autoclavable

X-7-20-10 Spare infusion tube,

silicon, 1 m,

size: 6 x 2 mm, color: natural

AR-10-9 Spare needle

for infusion bottles/bags

ID: 4 mm compatible to tubes ID: 3,5-5 mm

LLM-1258 **Spare Luer-Lock connector**

male, 10 mm











Accessories

Video cart

Completely mounted

- √ 50cm unit size
- ✓ Camera fixation knob
- ✓ Drawer
- Ask for additional accessories

WV-54043 Video cart, H: 143 cm

size: 62x63 cm, completely mounted, basic version,

color: grey, partly blue, **drawer inbuilt

**fixation knob for video camera head

**specially rust protected max. weight: 150kg/330lbs

(Gastroscope bracket, fixation system. devices and monitor are separate accessory)

WV-53022 Video cart

as above but height 110 cm (without pictures)



WV-54043

WV-45111

Video cart, H: 112 cm,

size:54x58cm,

completely mounted, basic version,

drawer inbuilt with handle max.weight:50kg/110lbs max. unit size: 45cm color:grey, partly blue,



Accessories for Video cart

WV-99619 **Fixation system for infusion bottles**

mounting set

WV-99618G **Gastroscope mount for Dr. Fritz TG series**

inductive charging, with telescope rod

WV-01601 Fixation system for CO² bottles

> mounting set, comp.to video carts for 5-10 litre bottles, max OD: 14,5 c

WV-02851 Fixation system for CO² bottles

> mounting set, comp.to video carts for big bottles, max OD: 20,5 cm















Dr. Fritz



Pre OR safety Sling

A new development of a protection and handling sling system for equine general surgery

To be mounted before surgery To take down patient during sedation and anethesia To handle during surgery To assist during recovery/standing after surgery



EP1-6170S

Pre OR safety belt, 170cm, small, max.weight: 600kg set incl.bag, washable (EP1-63)

EP1-6140S

Pre OR safety belt, 150cm, small, max.weight: 500kg set incl.bag, washable (EP1-63)

EP-R-63S

Carrying frame for OR safety belt set with foam buffer, saftey hooks, max. weight: 750kg size: 101 x 40 x 15cm, 8,5kg



In combination with a 4 point carrying frame it will be an ideal safety accessory for any equine hospital with typical hoisting cranes





4 point carrying frame

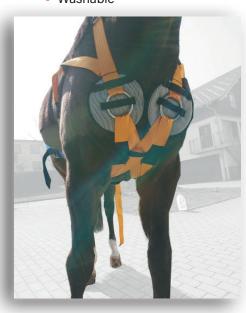


On-load operation



Belt elongation

- Easy mounting
- 4 point lifting/carrying system
- Individually adjustable
- Two sizes
- Washable





Bovine



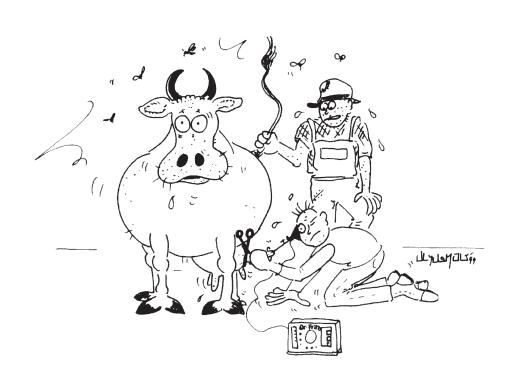
- Teat Endoscopy, Theloscopy
- Teat Products/Keratelin
- Laparoscopy/Thoracoscopy
- Vaginoscopy



We are changing veterinary endoscopy



Minimal invasive treatment of teat disorders



Video Teat Endoscopy

Equipment for endoscopic and diagnosis in cattle



115 2025



Treatment of teat disorders using minimal invasive techniques with teat endoscopy

The use of a lateral portal techniques in teat endoscopy by Maximilian Medl and Klaus Querengässer in 1994 has created a renaissance in research into teat disorders and treatment. Following their findings specific endoscopic equipment was developed to improve diagnosis and treatment.





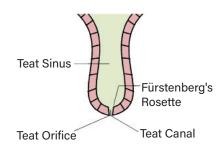
A further new generation of instruments completes the set: first a teat clamp to enable endoscopy, secondly a new teat knife with disposable blades and thirdly our stenosis cutter acc. to Eisenhut. We supply a suitable transport case to protect the scope and the instruments with additional parts. With our new Keratelin

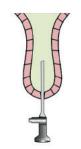
products we offer excellent and professionel after care service.

Teat Set standard, SET-ZIZ-3

With battery handle, air pump and instruments

T141-3000	Wide angle telescope, 0°, OD: 3mm, WL: 14cm
S140-3001	Sheath, OD: 4mm,WL: 12cm
LED-8-32	Light handle, mignon battery AA, 1,5 VDC
ZB-5-3	Inflation pump, battery operated,
Z-40-05	Special teat probe
Z-44-85	Special teat clamp, with ratchet, size 12cm
Z-55	Teat knife acc.to Dr.Ebner,
Z-47-030	Stenosiscutter D: 3,0 mm
Z-47-033	Stenosiscutter D: 3,3 mm
DE-5-17	Cleaning brush, small,17cm
DE2014-41	Sterilizing & storing case, 200x140x40mm
A79-IP6-SET	DIN Okular Lense with cover adaptor
K-4530-10	Special transportation case, for teat endoscop





Conventional Technique:

Examination via teat canal An examination of the teat sinus is possible but you can not see the Fürstenberg's Rosette, where 95% of the internal lesions occur. Parallel treatment through the teat canal is difficult.



Medl-Technique:

Examination and treatment via lateral teat wall. Only lateral perforation of the teat wall enables easy examination of the whole teat lumen and especially of the Fürstenberg's Rosette. Via teat canal treatment is possible under endoscopic control.

Please ask us or your customer service for a special quotation for your practice.

Literature: MEDL, M., K. QUERENGÄSSER et al.: Zur Abklärung und Behandlung von Zitzenstenosen mittels Endosko pie, Tierärztl. Prax. 1994, 22:532-7 / QUERENGÄSSER, K.,: Diagnose u. Therapie v. Zitzenstenosen beim Rind mittels Endoskopie, Univers. Zürich, Diss. 1998 / SEEH, C., R. HOSPES: Erfahrungen mit einem Theloresektoskop, Tierärztl. Prax. 1998, 26(G):110-8





Treatment of teat disorders using minimal invasive techniques with teat endoscopy

- Wireless video transmission
- For TV, notebook, PC
- Li battery
- Resolution 400x400



SET-Z6-VE

Video teat endoscopy set Basic, 3,5 mm

wireless video endoscope with radio transmission 5,8GHz:

97-FU17 Wireless endoscope (VCS3), charger

TXL2-580M 5" monitor, receiver&recorder,

battery operated

TR-04-84S Sheath and trocar K-4530-10 Transportation case

(without picture)

SET-Z6-VIS

Video teat endoscopy set Plus, 3,5 mm

wireless video endoscope with radio transmission 5,8GHz:

97-FU17 Wireless endoscope (VCS3), charger TXL2-580M 5" monitor, receiver & recorder,

battery operated

TR-04-84S Sheath and trocar ZB-5-3 Battery air pump/tube Z-40-05 Palpation probe Z-44-85 Teat clamp, 12 cm Z-55 Teat knife acc. to Ebner Z-47-030 Stenosiscutter D: 3,0 mm Z-47-033 Stenosiscutter D: 3,3 mm DE-5-17 Cleaning brush, 17 cm

DA2110-5 Storing case

K-4530-10 Transportation case



SET-Z6-EW Additional equipment (only in connection with VCS3, small animals)

to be used in teat endoscopy, consisting of:

TR-04-84S Sheath and trocar ZB-5-3 Battery air pump/tube Z-40-05 Palpation probe Z-44-85 Teat clamp, 12 cm Teat knife acc. to Ebner Z-55 Z-47-030 Stenosiscutter D: 3,0 mm Z-47-033 Stenosiscutter D: 3,3 mm DE-5-17 Cleaning brush, 17 cm

Storing case DA2110-5

K-4530-10 Transportation case





Standard instruments

The new standard





Teat knife acc. to EBNER

- handle with disposable blade
- blades easy to change and safe
- for each large animal practice
- Teat knife acc. to Dr. Ebner, pat. locking system, **Z-55** handle and 1 blade (disposable)
- Z-55-2 Teat knife acc. to Dr. Ebner, pat. locking system, const. of: handle (Z-55) and 10 spare blades (Z-55-1)
- Z-55-1 Scalpel blades f. teat knife, 10pcs/b individually packed, sterile, comp. to handle type Z-55

The second generation

Stenosis cutter acc. to EISENHUT

- high quality tissue punch
- easy to clean



Z-47-030

Stenosiscutter acc. to EISENHUT, small

OD: 3mm, WL: 4,5cm, color code: metal



Z-47-033

Stenosiscutter acc. to EISENHUT, large

OD: 3,3mm, WL: 4,5cm, color code: gold



Special teat probe for teat canal measurement and palpation

DE-5-17

Cleaning brush small, 17cm, for tubes ID:2 - 4mm, autoclavable, 1 pc.

minimize and a second



Keratelin® Products

Keratelin® Teat products for teat care

Suture-Bandage Plug the natural solution

Z-99025-TH **KERATELIN** "Thelasel"

teat dilator, OD: 3 mm, box 24 pcs.,

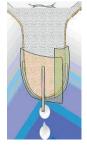
- The revolution in teat dairy care -



Breakage safe and stable. Latest generation of natural teat canal plugs - first choice in any fresh cases of distal teat injuries - plug and tape it -

KERATELIN "P2-Cath" Permanent Catheter





Z-99027

KERATELIN "P2-Cath" acc. to Schlederer,8 pcs., OD: 2,8mm, LL(w), individually packed, sterile*



- For easy day milk relase
- Easy and gentle to insert
- Fast milk flons

KERATELIN Milk Cannula professional teat care

Z-99055 KERATELIN Milk Cancula,

disposable, 100 pcs. individually packed, sterile*



Extra large inner diameter, available every time.



^{*}Attention: sterile product return shipment not accepted



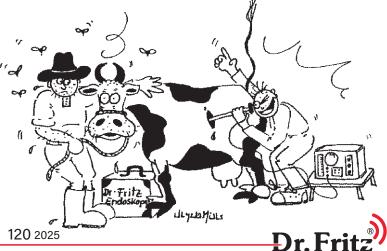
Laparoscopy / Thoracoscopy

Equipment for laparoscopic repositioning and fixation of abomasal displacement (acc. to Dr. Janowitz), accessories for standing upright position (acc. to Dr. Christiansen)



Video-Laparoscopy

in Cattle





Telescope, Trocars and Accessories



T420-8000V



Video-Laparoscope, integrated camera and LED light T420-8000V TS40-8S

TS40-8S

Wide angle telescope,

0°, OD: 8 mm, WL: 46 cm. large image and safety version, for large animal practices

Video telescope, 0°, wireless, OD: 8 mm, WL: 40 cm, in-built LED light & 5,8Ghz sender, rechargeable Li battery, fully immersible, resolution: 720x640pxs, robust veterinary version, set consisting of: video laparoscope (TS40-8), charger(TV27-NET)

234-200V Cannula only, magnetic valve, ID: 8mm,

WL:12cm, stainless steel, stopcock

234-166V Trocar, only, cork screw handle, special

sharp tip, for cannulas ID: 8mm, WL: 12cm

231-201V Cannula only, magnetic valve, ID: 5,5mm, WL:12cm, stainless steel, stopcock

Trocar, only, cork screw handle, special

sharp tip, for cannulas ID: 5,5mm, WL: 12cm





Accessories:

231-166V

234-211 Spare sealing caps, for trocar cannula 8 mm, p. of 10 pcs.

231-211 **Spare sealing caps,** for trocar cannula 5,5 mm, p. of 10 pcs.

230-215 Spare magnetic valve flap 8/10/11/12/13 mm, p. of 2 pcs.

231-215 Spare magnetic valve flap 5,5 mm, p. of 2 pcs.

DE-6-21 Cleaning brush for tubes, size: 4 to 7 mm, 20 cm

DE-9-25 Cleaning brush for tubes, size: 7 to 10 mm, 25 cm

DE-6-102 Cleaning brush, flexible, for tubes, size: 5 to 8 mm, 70 cm



DE-6-21



DE-9-25



DE-6-102

Light sources for field practice

LED-8-35 LED light handle, accu power set,

comp.to Fritz/Wolf, handle water resistant,

consisting of:

handle only (LED-8-35G), charger (LED-8-35LA),

Li accu block 3,7Vx 1Ah (LED-8-35B)









Instruments & Accessories

Safety toggle

- Robust and break resistant(material)
- 90 cmdouble suture material
- With markings along the suture
- Increased stiffness of suture material to assist placement in abdomen

LO-40-04 Safety toggle pin acc. to Dr. Janowitz, for laparoscopic abomasal fixation, 5 pcs.



Needle, puncture system

L-33-218 Palpation probe and puncture cannula,

OD 5 mm, 33 cm

L-33-218

TR-40-350 Toggle placing trocar set

acc to Janowitz, OD: 5 mm, WL 35 cm, consisting of: cannula only (TR-40), trocar only (TR-40-3),

obturator (TR-40-35)

TR-40-350



L-19-757 **Suture grasping & preparation forceps**

acc. to Dr. Janowitz, long version, OD: 5mm, WL: 46 cm,

cleaning connector

Suture grasping hook acc. to Dr. Meyer, 5 mm, 40 cm L-19-461







Spieker acc. to Christiansen



Repositioning of LDA, in a standing upright position

Janowitz and Christiansen, Gießen 2003

TR-78-766

Christiansen-Spieker for large animals

Length: 1m

Consisting of:

- Lancet TR-78-761
- Innenr tube only TR-78-762
- Outer tube front part TR-78-763-1
- Grip outer tube TR-78-763-2





TR-78-761 **Lancet only**

Suitable for Grip outer tube TR-78-762

TR-78-762 Inner tube only

Suitable for lancet TR-78-761

TR-78-763-1 Outer tube, front part only

Suitable for Grip outer tube TR-78-763-2



TR-78-763-2 Grip outer tube only

Suitable for Outer tube front part TR-78-763-1



TR-13-145

Working trocar

Ø 13mm, WL: 14cm

Consisting of:

- Cannula TR-145
- Sharp trocar TR-13



237-505

Reducer adapter

For trocars

• From Ø 13mm to Ø 10mm





Laparoscopy

Soak basin



DE-10-426 Soak basin for chemical solution disinfection consisting of basin /perforated), tray & cover

for basin, size:72,5x20x14 cm

Suction & inflation pump





H140-3S Suction & irrigation pump, soft system,

> complete with 2 bottles (suction/ water) 1 litre each, tubing set autoclavable, vacuum: 3 L/min, max: 0,4 bar

pressure: 4 L/min, max.0.5 bar (400mmHg) incl. transformer 115- 240VAC;50/60Hz

H150-1-1 Inflation pump, small, 4 litre/min

silicon tube, LL(m), 3m, 230VAC, 50/60Hz

Transportation case and instruments, container

For safe storage of your cold light source, instruments and telescopes



DE4011-48 Sterilizing and storing case, stainless

steel, 40x11x6 cm, lid perforated,

with textile filter

K-8427-11 Case for storage and transport of

telescopes and instruments, 84x27x11 cm,

Y-K-8427-13 Spare inlay for transportation case

type K-8427-11, washable (without picture)





Set for laparoscopic repositioning and fixation of abomasal displacement in cattle acc. to Dr. Janowitz

Sets with lights handle

This set allows the veterinary surgeon to use a quick, and extremely safe technique with no medication requirements as well as guick recovery of the patient. The basic element in the set is a specially developed robust scope with a length designed specifically for this purpose. Instruments are specifically designed for use in large animal field situations and stored in a practical transport case to guarantee a long life. In research programs it emerged that the traditional toggle system often offered inadequate strength and resulted in either rupture of the suture material or breakage of the plastic toggle material. This has lead to the development of a new safety toggle with a 90 cm long break safe double suture.

Basic set (SET-LAB-231)

Set for endoscopic LDA/RDA repositioning



2-step technique (Janowitz-Technik)

Basic set consisting of:

- Special cattle telescope, Ø 8mm, 0°
- Trocars and trocar cannulas Ø 8mm & 5mm
- Trocars and trocar cannulas Ø 5mm
- Palpation probe and puncture needle
- Abomasal puncture trocar set
- Suture grasping forceps, long
- Suture grasping hook acc.to Meyer
- Safety toggle pins, 5 pieces
- Sterilizing and storage tray
- Inflation pump
- Cleaning brushes
- LED light handle, accu
- Transportation case, can also be used as a disinfection basin

Set also available with video endoscope - SET-LAB-V41

Large set (SET-LAB-232)

Basic set + Spieker acc. to Christiansen





2-step + 1-step technique (Janowitz- + Christiansen Technik)

Large set consisting of:

- Basic set
- Trocar and cannula Ø 13mm, large
- Spieker acc. to Christiansen complete

Set also available with video endoscope - SET-LAB-V42





Set for laparoscopic repositioning and fixation of abomasal displacement in cattle acc. to Dr. Janowitz

Eco Set (SET-LAB-233)



1-step technique (only standing upright position)

Set "Eco" consisting of:

- Special cattle telescope Ø 8mm, 0°
- Trocar and trocar cannula Ø 8mm
- Abomasal puncture trocar cannula, and blunt obturator
- Safety toggle pins (5pcs)
- LED light handle, battery
- Trocar and cannula, 13mm, large
- Spieker acc.to Christiansen
- Transportation case, can also be used as a disinfection basin

Set also available with video endoscope - SET-LAB-V43

All sets also available with video endoscope

Video "Basic" set SET-LAB-V41

Video "Large" set SET-LAB-V42

Video "Eco" set SET-LAB-V43



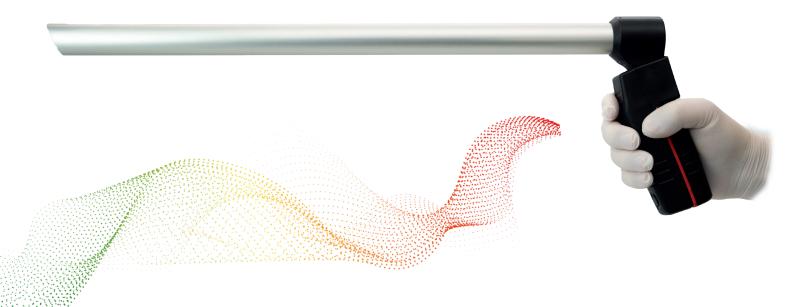






Compact Video Vaginoscope

Professional video vaginoscope, wireless, for diagonostic use and treatment in dairy cattle



Compact Video Vaginoscope

worldwide, unique and up to now unmatched easy in practical use



Control display



Battery replaceable

127 2025





Compact Video Vaginoscope

Professional video vaginoscope, wireless, for diagonostic use and treatment in dairy cattle

For practicioners and universities



- **Battery replaceable**
- Control display on the endoscope
- Integrated sender 5,8 GHz
- **Integrated LED light**
- Easy handling & quick cleaning
- **Fully immersible**

Set TQ52-28RD

Compact Video Vaginoscope & speculum for cattle. Cordless generation with exchangeable battery, built-in camera with 5,8 GHz radio transmission, LED light, 1,5" display. Both completely soakable when vaginoscope and battery a separated.

- Compact Video Vaginoscope
- Obturator, blunt
- 2 spare batteries
- Charging station
- Charger
- Reducer adapter
- 10" monitor receiver

Accessories to be used as transvaginal laparoscope

TQ52-65

Fornix perforator / cross trocar, 26x570mm. Compatible with TQ52-28RD.

- Trocar & blade guide (TQ52-65-1/2)
- Spare blades, 12 pcs./pack (TQ52-66KL)
- · Spare part set, hexagonal wrench, spring, protection caps (TQ52-65ER)

TQ52-64S

Ova ligator, Ring ligator, 64cm. Compatible with TQ52-28RD.

- Main part with handle (TQ52-64G)
- Lifter (TQ52-64H)
- Ligatur rings (TQ52-R50)
- Applicator (TQ52-64Y)





Compact Video Vaginoscope

Bovine

Professional video vaginoscope, wireless, for diagonostic use and treatment in dairy cattle

Complete Set for vaginoscopy and transvaginal laparoscopy and spaying



- **Battery replaceable**
- Control display on the endoscope
- Integrated sender 5,8 GHz
- ✓ Integrated LED light
- √ Easy handling & quick cleaning
- √ Fully immersible

Set TQ52-28RD1

TVC-Set, transvaginal spay/castration. Cordless generation with exchangeable battery, built-in camera with 5,8 GHz radio transmission, LED light, 1,5" display. Both completely soakable when vaginoscope and battery a separated.

- Compact Video Vaginoscope
- Obturator, blunt
- 2 spare batteries
- Charging station
- Charger
- Reducer adapter
- Fornix perforator/ cross trocar
- 2 x ova ligator
- 50 ligatur rings
- 5" arm monitor

Spare parts

Scalpel blades

No.20 for trocar TQ52-65, individually packed, 12 pcs/pack (TQ52-66KL)

Spare rings

Passend zu TQ52-64S, production sterile, FDA biocompatible, 100pcs/pack (TQ52-R100)

Reducer adapter

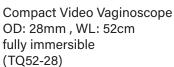
For TQ52-28, 28/10mm, luer (fem), silicon cap 8mm (234-211), and sealing cap (234-600) (TQ52-E)







Individual parts TQ52 series







Obturator, blunt (TQ52-281)



Reducer adapter 28/10mm, luer (fem) (TQ52-E)



Ova ligator, WL:64cm (SET: TQ52-64S)



Fornix perforator/ cross trocar (SET: TQ52-65)



Spare rings, 50pcs. (TQ52-R50) 100pcs. (TQ52-R100)



Scalpel blades, 12pcs. (TQ52-66KL)



Case, Case lid can be used as a disinfection tray Dimensions: 84x27x11cm (Y-K-8427-11-1/ Y-TQ52-SC)



5" Monitor receiver incl. recorder & accu (TXL2-580M)





10" Monitor receiver incl. recorder & accu (TXM10-58R)







Several applications

Multi receiver capable



Automatic radio connection, all types of endoscopes (broncho/arthroscopes/laparoscopes)



Receiver - monitor



TXL2-580M

5" Receiver-monitor, recorder

- mSD card slot, automatic scan, battery
- With arm strap

TXM7-60R

7" Receiver-monitor, recorder

mSD card slot, automatic scan, battery

NEW: Time and labelling stamps for patient data

TXM10-58R

10" Receiver-monitor, recorder

· mSD card slot, automatic scan, battery

TXM10-60R

10" Receiver-monitor, recorder

mSD card slot, automatic scan, battery

NEW: Time and labelling stamps for patient data



M-LCD-22PC

21" LCD PC

With in-built receiver and recorder

TXL1-7-NO2

Receiver for Apple & Windows

• Incl. USB grabber





M-LCD-21SK

21" Video monitor HD

• With in-built receiver for scopes

TXL1-583

TV receiver for monitor

Video-Out

TGR-40

Multi HD radio receiver

HDMI out

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Devices



- Light sources
- Video camera
- Special devices
- Video cart



We are changing veterinary endoscopy



Batterie/LED light Sources

Portable LED light handle

LED light handle, mini, 1,5V

For endoscopy without video camera. Direct coupling with light director.

- Light weight
- Easy handling
- Directly compatible to your telescope

LED-8-32 LED-Endoscope Light Handle,

mini, 1,5V, 90g.comp.to Dr.Fritz/Wolf including mignon battery, AA

Lux: 4.900

Colour temperature 6.100 K About 60min. working time





LED light handle, high power, 3,7V

- Fully immersible
- Waterproof
- Compatible to Dr. Fritz, Wolf

LED-Light Handle, Accu Power Set, LED-8-35

comp. to Dr.Fritz/Wolf handle water resistant

consisting of:

Handle only (LED-8-35G)

LI Accu Block 3,7V x 0,7Ah (LED-8-35AC),

charger (LED-8-35LA)

Lux: 7.000

Colour temperature 5.500 K **About 45min. working time**





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Endoscopy - Cameras

HD-Radio-Videocamera, wireless, axiale Version, DIN Ocular with LED

GO WIRELESS

- √ Wireless video transmission
- ✓ Ideal for mobile surgery
- ✓ Compatible with standard endoscopes
- ✓ Perfect HD image
- √ Fully immersible



51V-C2SET

Radio-Axialcamera with LED-light

built in 5,8 GHz Sender, LI Accu, LED light cable, HD-PAL, DIN Ocular, compatible to standard Endoscopes set complete consisting of:

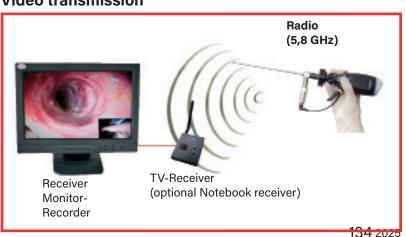
- Camera (51V-C2-D)), weight 295 gr.
- Stop Button (50VC-78)
- Power adapter (TV27-NET)
- 10" Receiver-Monitor/Recorder (TXM10)





Magnetic connector

Video transmission







Endoscopy - Cameras

HD-Radio-Videocamera, wireless, axiale Version, DIN Ocular with LED

TV27-NET Power adapter for Radio laparoscopes, 3m

cable, magnetic end connector, fully immersible

110-240 VAC, 50/60Hz





TXM10-58R 10" Monitor receiver & recorder 5,8GHz

Micro SD-Card slot, foot for monitor, Li-Io battery,

charger, auto scan



Optional:

Monitor-Apple, 22" with image storage M-LCD-22AP

> Flat screen, Tastatur, Processor For picture and video documentation

HDMI FBas Video surface Network compatible 115-230VAC





Recorders and storage systems

Receiver - monitor



TXL2-580M

5" Receiver-monitor, recorder

- mSD card slot, automatic scan, battery
- With arm strap

TXM7-60R

7" Receiver-monitor, recorder

mSD card slot, automatic scan, battery

NEW: Time and labelling stamps for patient data

10" Receiver-monitor, recorder

mSD card slot, automatic scan, battery

TXM10-60R

10" Receiver-monitor, recorder

mSD card slot, automatic scan, battery

NEW: Time and labelling stamps for patient data





M-LCD-22PC

21" LCD PC

· With in-built receiver and recorder

TXL1-7-NO2

Receiver for Apple & Windows

Incl. USB grabber





M-LCD-21SK

21" Video monitor HD

With in-built receiver for scopes

TXL1-583

TV receiver for monitor

Video-Out

TGR-40

Multi HD radio receiver

HDMI out

Digital storage unit

PC-97-HDE Video/HD Recorder for HDMI & video signals,

Foto and video recordings Input: HDMI in, Video in Output: HDMI out, USB Host

Power supply unit, remote control, USB stick







Special devices - Suction and Irrigation

Suction-/irrigation pump

For lens cleaning, inflation and suction. For small and large animal practice.

- ✓ Easy handling
- ✓ Quiet
- ✓ Fine setting option
- ✓ Ideal for small and large animal practices



Especially suitable for gastroenterology

Suction-/irrigation pump H140-3S

consisting of:

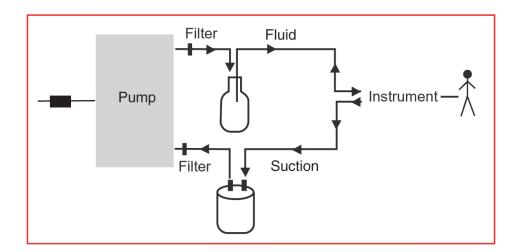
Suction & irrigation pump (H140-3) 1 li. suction bottle (H160-AB-43) 1 li. flushing bottle (H160-AB-7) Tubes & transformer Sterile filter (AR-10-922)

Spare suction bottle H160-AB-43

1 litre with lid

Spare flushing bottle H160-AB-7

1 litre with lid

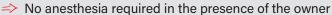






Middle ear diagnostic

Measurement of middle ear function in seconds for daily routine

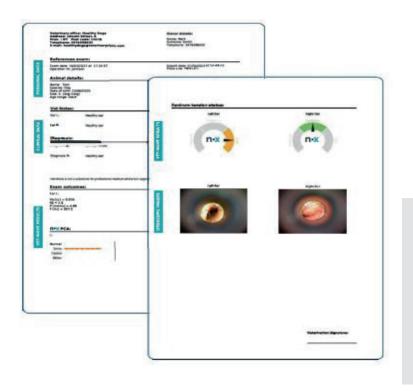


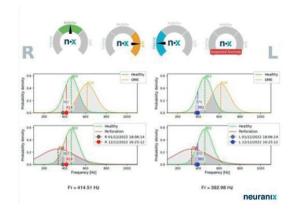
- ⇒ Avoids costly CT scans
- ⇒ Routine diagnostics for breeds with increased susceptibility to ear diseases
- > Improved compliance and acceptance
- ⇒ Fast amortization
- ⇒ Patient history

Can be used as a monitor for Video Compact System 6 & 7



- Examination and visual video representation of the external auditory canal with creation of a report in conjunction with the VCS
- Measurement of eardrum/middle ear function using a mini sound probe Confirmation of correct positions within seconds
- Comparative documentation, tympanogram, and photo output





The set for immediate use

- TY25-SET-BA
- Basis unit with display
- Wall mount plate
- Power supply
- Foot switch
- Measurement hand piece
- Accessory kid with soft ear caps

⇒ Expandable with Video Compact System 6&7

For veterinary use only



Special devices - Inflator

CO₃Inflator, electronically monitored

- small and large animal
- reusable tubing
- bacterial filter
- economical



741-025V

CO₂ Inflator, electronically monitored, max. 20 litre, complete without bottle automatic pressure reduction system, DIN gas connection type, 115-230 VAC, 50-60Hz, DIN IEC 601/1, DIN VDE 871

Accessories





741-009-1 Spare Silicon tube, 3m, for CO, inflation,

incl. connector, autoclavable

741-009-FF Sterile filter system for CO₂ -inflator

disposable, box with 50 pcs. medical connection D:22mm

741-002 CO, high pressure tube, 1m

DIN connector, screw both sides

741-009V-PN CO, high pressure tube, 0,8m

compatible to PIN Index bottle (without picture)

Sterile product return shipment not accepted





Special devices

Fluid supply for arthroscopy

Automatic fluid supply

The innovative infusion solution for horses

The state-of-the-art system can be effortlessly attached to the horse using a girth strap, allowing the animal to remain fully mobile during the infusion. Particularly practical is the use of the pressure infusor both in the stable and in the operating room: it can be used flexibly without an IV stand, providing added flexibility in the operating room as well as on the premises.

- √ Constant fluid delivery
- √ Energy free
- ✓ No maintenance
- √ No altitude impact

ARM-10 **Pressure infusor**

> Dimensions: 337 mm x 252 mm x 116 mm

Weight:

Infusion pressure: 100 to 200 mbar (depending on the bag size)

Flow range: 0 bis 8,3 litres/hour

(nach ISO 8536-4), 5 litres/hour

Empty rate: 95% bis 100%

ISO 8536-4 and ISO 28620 Norms:





Roller pump for fluid supply

Large and small animal arthroscopy



- Quick and easy fluid flow
- Simple speed control
- No disposable accessories

ARR-20

Roller pump

Noise level: max. 50 dBa, very low Pump type: 3-roller peristaltic Flow parameters: up to 525ml/min.

Pneumatic foot switch

Weight: 4,4kg

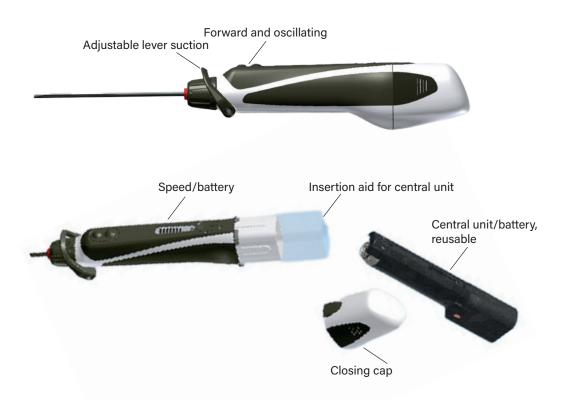
Size: 190 x 230 x 330mm







Cordless single use shaver system for arthroscopy



Starter set (SFR-205SET)

Set consistinf of:

- Central unit motor (SFR-206M)
- Charging station (SFR-205B)
- Burr shaver Ø 4,5mm (SFR-104C)



SFR-206M Central unit - motor

The reusable central unit, the heart of the system, is equipped with state-of-the-art electronics and a rechargeable battery. It provides the surgeon with both standard and advanced features: a powerful brushless motor ensures optimal torque for all arthroscopic procedures, while the durable battery supports even the longest surgeries.

- 6000 rpm
- Approx. 40min. runnig time



SFR-205B Charging station

The charging station accommodates up to four central units, though the central units (motors) are not included with the charging station. When a central unit is inserted, it is checked by an intelligent control system. A display then indicates the battery's charge status.



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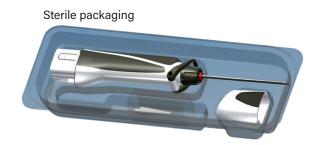




Cordless single use shaver system for arthroscopy

Disposable shaver

- No preparation or sterilization required
- Ready for immediate use
- Integrated tube connection
- Minimum order quantity: 5 pieces



- Aggressive meniscus resection, fast removal of soft tissue during shoulder surgeries.
- Suitable for a combination of soft tissue and bone resection.

Ø	Item No.
3,5mm	SFR-103L
5,0mm	SFR-104L



 Versatile aggressive cutting blade: Ideal for extensive tissue removal.

Ø	item ivo.
2,9mm	SFR-102N
5.0mm	SFR-104N



- Oval Burr: Fast bone resection.
- Suitable for subacromial decompression.

Ø	Item No.
4,5mm	SFR-104E



 Serrated inner blade and smooth outer blade for effective resection of meniscus, cartilage, and synovium.

Ø	Item No.
3,5mm	SFR-103P



Ball Burr: Ideal for notchplasty and osteochondral cleaning.

Ø	Item No.
4,5mm	SFR-104C





Special devices - High Frequency Surgery

High frequency unit, High speed, Typ Atom

High frequency unit, High speed - with vessel sealing technique. Parallel usage of all outputs.

- Adapter for instruments other manufacturers on request
- uncomplicated use
- up to date safety regulation
- vessel sealing with confirmation signal
- compatible to all instruments on the market
- program via Touch Screen
- SDS self detecting system



HF-401-TH HF/Radio frequency unit, High End Thermo Stapling (vessel sealing), touch-screen programmable, latest mono & bipolar technique SDS - self detecting system incl. high speed vessel sealing delivery without accessories, 400W, 230VAC, 50/60Hz

Specifications:	

Monopolar Cutting 400 W Coagulation 200 W Soft/Forced +/+ **Bipolar** 400 W Cutting Coagulation 200 W Auto Start/Stop +/+ **Bipolar** Thermo-Stapling + 300 W Thermo sealing + Auto Stop Weight 7 kg



420 W

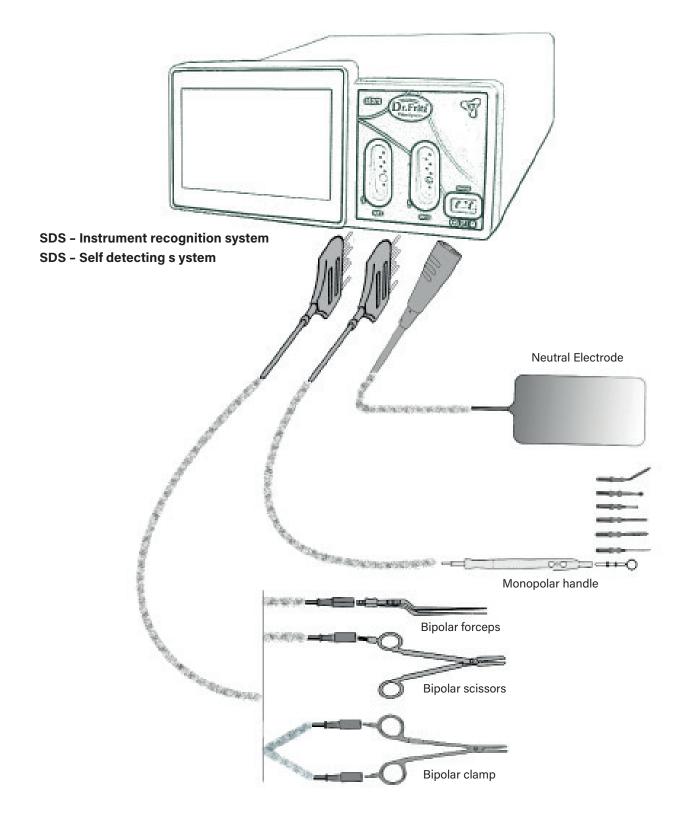
max. power



High Frequency Surgery

High End with thermo sealing

Surview







Accessories for bipolar applications

Devices

HF-350-EP

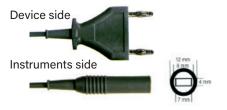
Double foot switch

for HF/RF unit for 350-402 series, multi switch type, 3m cable



BP-361-IT-MA Bipolar cable, 3 m,

device side Emed/ Valleylab/Ellman; instruments side: European/Martin autoclavable



BP-371-IT-BI

Bipolar cable, 3 m,

device side: EMED/VALLEY

Instruments side: bipolar,round (2/4mm)

autoclavable





BP-37-EM-ET

Bipolar cable, 3 m,,

device side: Emed-SDS,

Instruments side: connection (2x3mm),

vessel sealing, autoclavable





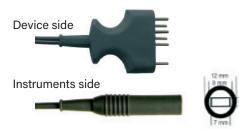
O3 nm

BP-37-EM-MA Bipolar cable, 3 m,

device side: Emed-SDS

Instruments side: Europa/Martin,

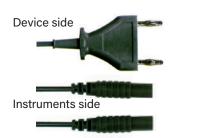
autoclavable



BP-371-IT-ET

Bipolar cable, 3 m,

device side: EMED/VALLEY Instruments side:: 2x 3mm (Ethicon, Val) autoclavable



O3 mm

O3 mm



Bipola High Frequency Surgery

Accessories for bipolar applications

Open surgery

BP-S-18B Bipolar scissors, Metzenbaum, 21cm,

connection: bipolar round (2/4mm)

BP-S-21B Bipolar scissors, Metzenbaum, 21cm, connection: bipolar round (2/4mm)

• suitable to BP-37-EM-ET





BP-901 Bipolar coagulation forceps,

blunt, straight • non stick version (without picture)

BP-902 Bipolar forceps, pointed, straight (without picture)

BP-903 Bipolar forceps, pointed, bayonet model 195mm, 1mm tip • non stick version

- Non Stick: special material to reduce adhesion of tissue
- Suitable to BP-37-EM-MA

Pay attention! Bipolar forceps are available in different qualities.





Thermo Sealing, Vessel Sealing

Open surgery

Bipolar Clamp, 20 cm, for thermo sealing BP-E-K20

connection: 2 x3mm

BP-E-K27 Bipolar Clamp, 27 cm, for thermo sealing

connection: 2 x3mm

Mechanical pressure and higher temparatur seals collagen and elastan tissue of vessels.

Perfect sealing of arterial vessels up to 8 mm diameter.

Field of use: Ovarectomy, Ovar-Hysterectomy Castration, small and large animal.

Thermo sealing Only in conjunction with the device HF-401-TH











Minimal invasive surgery

Coagulating and cutting in one instrument

BP-10-321 Bipolar grasping & cutting forceps,

disposable, 10mm, WL:320mm,

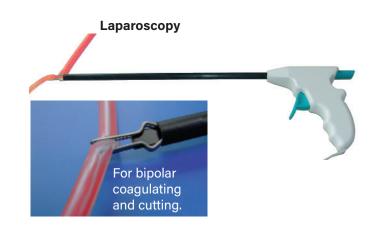
European connector

BP-05-321 Bipolar grasping & cutting forceps,

disposable, 5,6mm, WL:320mm,

European connector

- sterile product return shipment not accepted
- suitable to BP-37-EM-MA





Devices Monopolar **High Frequency Surgery**

Monopolar applications

Grounding

HF-100-12 HF neutral electrode,

silcon, 4m cable, size: 8 x 15cm, autoclavable

Large version:

HF-100-12-2 HF neutral electrode,

silcon, 4m cable, size: 16 x 26cm, autoclavable



Open surgery

HF-301-ER High frequency connecting cord,

3 m, monopolar, comp.to Erbe units (4mm type)

HF-350-145 HF handle,

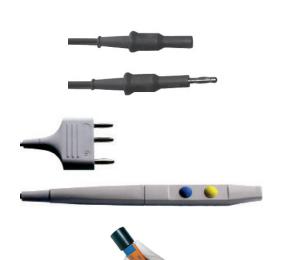
4mm, with button for monop. coagulation,

comp. to Emed/Martin/Bercht

HF-8513 **HF-Test Mate**,

> autoclavable test unit, inactiv, for mono/ unipolar and bipolar instruments

and cables during surgery



Suitable

Suitable electrodes:

HF-100-17SE HF electrode set,

VET, 4mm, monopola incl.8 electrodes and sterilizing box, including fixation device









Monopolar **High Frequency Surgery**

Monopolar applications

Instruments for high frequency

Mono-/Unipolar HF/RF cutting electrodes, the electric knife

High frequency connecting cord comp. to arthroscopic cutting electrodes, handles length: 5 m, for units with 4 mm connector



HF-200-45

High frequency cutting electrode for arthroscopy, 45°, fine tip 4 mm connector, 12 cm



HF-200-90

High frequency cutting electrode for arthroscopy, 90°, heavy version 4 mm connector, 12 cm



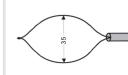
Gastroenterology and Bronchoscopy, flexible instruments



SL23-2310

Asymmetric polypectomy snare complete with tube, without handle

• OD: 2,2mm, WL: 230cm wide: 25mm



SL23-1612

Symmetric polypectomy snare complete with tube, without handle

OD: 2,2mm, WL: 165cm wide: 35mm

SL23-2312

Symetric polypectomy snare complete with tube, without handle

• OD: 2,2mm, WL: 220cm wide: 35mm



Suction-coagulation electrode monopolar, luer-lock connctor

• OD: 2,2 mm, WL: 165 cm



HF-301-ER

HF- connecting cord monopolar, com. to Erbe units 4mm

Lenght: 3 m



HF22-2301

Suction-coagulation electrode monopolar, luer-lock connctor

OD: 2,2 mm, WL: 235 cm



HS11-1200

Handle for polypectom, HF snares

Standard connections



Hygiene, cleaning and care

Special equipment for cleaning of flexible endoscopes

Endoscope Washer

Semi automated cycling pump for flexible endoscopes and tubes

- Suction and circulating pump system
- Auto stop

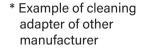
WA42-205

Gastro-Washer, Cleaning pump with timer programs for flexible endoscopes and tubes(<4mm), non-drip connectors, wall fastening, comp.to all major endoscopes, mains adaptor: 110-240VAC, 50/60Hz



Reprocessing room Wall mounting







Wall or cabinet mounting in connection with soak basin



Hygiene, cleaning and care

Special equipment for cleaning of flexible endoscopes

Endoscope Dryer

Easy drying of flexible endoscopes and thin tubes

- Auto stop
- compatible to endoscopes of other manufacturers*

WA41-104 Endoscope-Dryer, air pump with timer

for flexible endoscopes and tubes (<4mm) 1 bar, air filter, wall mounting, comp.to all major endoscopes, mains adapter: 110-240VAC, 50/60Hz

AR-10-922 Sterile filter for CO2 infusor

and air pressure infusor, compatible for tubes with ID: 4-6mm, disposable, 50pcs/box

Cabinet mounting



Storage room, cabinet mounting



Drying reclining

^{*} If original cleaning adapter available



Video cart

Completely mounted

- √ 50cm unit size
- ✓ Camera fixation knob
- Drawer
- ✓ Ask for additional accessories

WV-54043 Video cart, H: 143 cm

size: 62x63 cm, completely mounted, basic version,

color: grey, partly blue, **drawer inbuilt

**fixation knob for video camera head

**specially rust protected max. weight: 150kg/330lbs

(Gastroscope bracket, fixation system. devices

and monitor are separate accessory)

WV-53022 Video cart

as above but height 110 cm (without pictures)



WV-54043

WV-45111

Video cart, H: 112 cm,

size:54x58cm,

completely mounted, basic version,

drawer inbuilt with handle max.weight:50kg/110lbs max. unit size: 45cm color:grey, partly blue,



Accessories for Video cart

WV-99619 **Fixation system for infusion bottles**

mounting set

WV-99618G Gastroscope mount for Dr. Fritz TG series

inductive charging, with telescope rod

WV-01601 Fixation system for CO² bottles

mounting set, comp.to video carts for 5-10 litre bottles, max OD: 14,5 c

WV-02851 Fixation system for CO² bottles

> mounting set, comp.to video carts for big bottles, max OD: 20,5 cm





Disposables



- Hygiene & Cleaning
- Products for daily use
- Keratelin



We are changing veterinary endoscopy



Hygiene, cleaning and storage

Instruction for cleaning and disinfection

We supply suitable cleaning and disinfection products, effective, environmentally proof and practical solutions for hygiene management.

Demineralisation

One of the main conditions for best cleaning results - water treatment

WA-1466-3 Demineralisation container,

> only connection: 3/4 Zoll, total capacity: 1400 Liter

Conductivity mesurement unit WA-1466-2

0-20/ > 20myS, LED control system



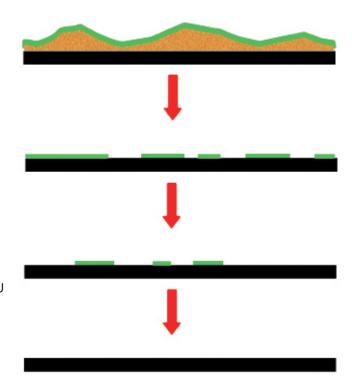
Cleaning and disinfection are a ubiquitous topic of daily medical routine. The basic aim is to minimize the risk of infection for humans and animals. The thorough cleaning and disinfection of your endoscope influence much its optimum function and durability. Drying

is an essential process of the hygiene concept.

During cleaning dirt is removed. This step is frequently underrated, but is essential for the preparation of all other steps. Put your endoscope in an enzymatic detergent solution (e.g. Dr. Fritz enzymatic cleaning UNIVERSAL for rigid endoscopes and instruments or FLEX for flexible endoscopes) and make a mechanical pre-treatment with the special brush (for example, the instrument channel).

Disinfection takes place chemically. Put your endoscope into a disinfectant that is specifically suitable for endoscopes (e.g. InstruPlus). The existing germ-proof is reduced by 1 million cFU to 10 cFU.

There are different procedures for sterilization (e.g. gassterilization, autoclaving). Check that your endoscope is suitable for this procedure. Typically flexible endoscopes are only suitable for gas sterilization but not for steam sterilization. Rigid endoscopes are marked with the word "autoclave" is distinguished if steam sterilization is possible. The existing germ-proof is further reduced by 10 cFU to 1 CFU.







Hygiene, cleaning and care

Special equipment for cleaning of flexible endoscopes

Endoscope Washer

Semi automated cycling pump for flexible endoscopes and tubes

- Suction and circulating pump system
- Auto stop

WA42-205

Gastro-Washer, Cleaning pump with timer programs for flexible endoscopes and tubes(<4mm), non-drip connectors, wall fastening, comp.to all major endoscopes, mains adaptor: 110-240VAC, 50/60Hz



Reprocessing room Wall mounting



Wall or cabinet mounting in connection with soak basin



* Example of cleaning adapter of other manufacturer





Hygiene, cleaning and care

Special equipment for cleaning of flexible endoscopes

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WA41-104 Endoscope-Dryer, air pump with timer

for flexible endoscopes and tubes (<4mm) 1 bar, air filter, wall mounting, comp.to all major endoscopes, mains adapter: 110-240VAC, 50/60Hz

AR-10-922 Sterile filter for CO2 infusor

and air pressure infusor, compatible for tubes with ID: 4-6mm, disposable, 50pcs/box



Cabinet mounting



Storage room, cabinet mounting



Drying reclining

^{*} If original cleaning adapter available



Cleaning accessories

Video Bronchoscope

■ For rigid & flexible endoscopes / instruments

DE-10-702 Dr. Fritz enzymatic cleaning FLEX 1,5 %,

1 x 1 l, 7 enzymes, 0,5% specially for flexible endoscopes for daily manual cleaning



DE-10-300 "IP" Disinfection solution

for flexible and rigid endoscopes, manual and automated use, 1-3% dilution, 5 litres



Option for cleaning of flexible endoscopes in the field



- √ Close the lid and ready for transport
- √ Fast and easy pre-cleaning after the last examination
- √ For semi- or fully automatic cleaning
- √ For all flexible endoscope types
- √ Usefull in drawer cabinets
- √ With airing



Stackable



DE-17-44S

Transportation & storage basin

for flexible endoscopes, 50x44x16 cm, set with cover

consisting of:

- Basin (DE-17-44)
- Cover transparent (DE-17-41)



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Hygiene, cleaning & care

Soak basin

For different instrument sizes

DE-10-426 Soak basin long for chemical disinfection, consisting of: basin, tray (perforated), cover, size: 74x22x13cm



DE-10-425

Soak basin small, for chemical disinfection, consisting of: basin, tray (perforated), cover, size: 42x16x9,5cm



Accessories

DE-5-17	Cleaning brush small, 17cm, for tubes ID size: 2-4 mm, autoclavable, 1 pc.	
DE-6-21	Cleaning brush, small, 20cm, for tubes ID size: 4-7mm, autoclavable, 1 pc.	***************************************
DE-9-25	Cleaning brush, 25cm, for tubes ID size: 7-10mm, autoclavable, 1 pc.	
DE-3-456-E	Cleaning brush, 50cm, for long tubes ID size: 2,5 - 5mm, autoclavable, 1 pc.	**************************************
DE-6-102	Cleaning brush, flexible, 70cm, for	74411111111111111111111111111111111111



tubes, ID size: 5-8mm, autoclavable, 1 pc.



Hygiene, cleaning & care

Cleaning and disinfection solutions

For rigid & flexible endoscopes / instruments

DE-10-702 Dr. Fritz enzymatic cleaning FLEX 1,5 %,

1 x 1 l, 7 enzymes, 0,5% specially for flexible endoscopes for daily manual cleaning



DE-10-300 "IP" Disinfection solution

for flexible and rigid endoscopes, manual and automated use, 1-3% dilution, 5 litres



Silicon oil, 15 ml RH99-47

specially for flexible endoscopes

Additional

WA-1302-25 Cleaning powder, alkaline, for WA-1402 instrument washers, 1kg box



WA-1302-26

Clear rinse for instruments, endoscopes and instrument washer, 1 litre bottle



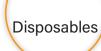
DE-10-65 Lense polish

for telescopes, 5g

E-22-71 Antifog fluid for endoscopes and mirrors, bottle







Products for daily use

X-5-15-10 Silicon spare tube, 100cm,

size: 5 x1,5mm, colour: nature

X-3-2-7 Silicon spare tube, 100cm,

size: 3 x2mm, colour: nature

X-6-30-12 Silicon spare tube, size:6 x3mm, 100cm

suction tube, colour: natur

X-7-20-10 Silicon spare tube, 100cm, large

inner diameter, size:6 x2mm, colour: natur



X-180-26 Silicon tube, ID:5mm,180cm,

LLm both.ends

X-300-26 Silicon tube, ID:5mm,300cm,

LLm both ends



LLW-1220 Luer-Lock connector,

female,2mm



LLM-1251 Luer-Lock connector,

male, 6mm,



LLM-1250

Luer-Lock connector,

male,6mm,



LLM-1258

Luer-Lock connector,

male,10mm,



LL-1273H

Three way stopcock,

disposable non sterile, Package with 10 pcs,



LLW-1263

Luer syringe connector,

10 pcs.



LL-1270

Three way T-adapter,

2x LL(f), 1x LL(m), disposable, non sterile, Pg with 10 pcs.



LL-1271H

One way stopcock, disposable, non sterile,

Package with 10 pcs



AR-10-9

Spare needle for infusion

bottles/bags ID: 4 mm compatible

to tubes ID: 3,5-5 mm



AR-10-948 Silicon tube,

6x2mm, 3m, autoclavable,

Luer-Lock (m), needle f. sterile bags/bottles, large inner diameter



AR-10-922 Sterile filter for CO² infusor

and air pressure infusor, compatible for tubes with ID: 4-6mm, disposable, 50pcs/box

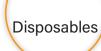


741-009-FF Sterile filter system for CO² -inflator

disposable, box with 50 pcs. medical connection D:22mm



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Products for daily use

F11-69

Special catheter

4 Fr., 69cm, selectip UK, olive end, angled tip, y-sterile, Juka 62410110 **minimal delivery: 5 pcs.

**sterile Item, no refund possible

F12-69 Special catheter

5 Fr., 69cm, selectip UK, olive end, angled tip, y-sterile, Juka 62410210 **minimal delivery: 5 pcs.

**sterile item, no refund possible



F20-219

Spare catheter f. gastro fiberscopes,

Teflon, OD:2mm, 10 metres, autoclavable

F20-220

Catheter f. gastro fiberscopes, Teflon

OD:2mm, WL:235cm, LL(f) connector

dismantable, autoclavable



F16-50 Special catheter OD:1,6mm, 50cm, y-sterile,



981-VK-S

Spare silicon tips, black, 30pcs., for otoscope sheath 981-VK-13/17S

autoclavable



231-211 Sealing caps

for trocars and reducer adapters, size 5,5mm, pg. of 10 pcs.



230-211

Sealing caps,

red, for trocars & reducer adapters, size 10/11/12mm, pg. of 10 pcs.



234-211

Sealing caps

for trocars and reducer adapters, size 8 (12,5)mm, pg. of 10 pcs.



TR-78-15

Sealing cap f. big trocar cannulas cap opening D:11,5mm, blue, 5 pcs.



TR-13-145D Sealing cap

for big trocar cannulas cap opening D:11,5mm, blue, 5 pcs.



I-17-002 Sealing cap

for small trocar cannulas cap opening, round, D:2mm, 5 pcs.

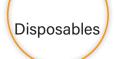


TR-60-1D Sealing cap

small, 1mm opening, for 981-VK-69/ S190-2701, 5 pcs.







Products for daily use

Camera covers

DE-10-25 Camera covers, disposable, 1 pcs., polyethylen, 13x250cm, minimal amount 50 pcs.

Attention: sterile product return shipment not accepted



Bipolar grasping & cutting forceps

BP-05-321 Bipolar grasping & cutting forceps, disposable, 5,6mm, WL:320mm, European connector, *sterile product

BP-10-321 Bipolar grasping & cutting forceps, disposable, 10mm, WL:320mm, European connector, *sterile product



Disposable biopsy forceps

B23-180E Disposable biopsy forceps, 2,3 mm, 180 cm

B23-230E Disposable biopsy forceps, 2,3 mm, 230 cm y-sterile, box with 10 pcs



Trocar disposable

TR-59-54 Trocar disposable, ID:5 mm,WL:6 cm inflation stopcock, with trocar only box with 25 pcs

TR-60-121 Trocar disposable, ID:12 mm,WL:6 cm complete with reducer 12-8 mm and 5 mm box with 25 pcs



Cleaning brush

F28-280E Cleaning brush, flex., 230cm, disposable, for channels 1,8-2,8mm, 10pcs/pack

F20-181E Cleaning brush, flex., 180cm, disposable for channels 1,1-2 mm, 10pcs/pack



H20-001E Spare lamp halogen, 8V/20W

for light source H20-001 (without picture)

H150-5-E Spare lamp, XENOPHOT,150W/15V for light source 981-VK-100 and

H150-5-2; H150-5-31



Safety toggle pin acc. to Dr.Janowitz, LO-40-04 90cm double suture, 5 pcs., for laparoscopic abomasal fixation ***extra long version***





Keratelin® **Products**

Keratelin® Teat products for teat care

Suture-Bandage Plug the natural solution

Z-99025-TH **KERATELIN** "Thelasel"

> teat dilator, OD: 3 mm, box 24 pcs., sterile*

- The revolution in teat dairy care -



Breakage safe and stable. Latest generation of natural teat canal plugs - first choice in any fresh cases of distal teat injuries - plug and tape it -

KERATELIN "P2-Cath" Permanent Catheter





Z-99027

KERATELIN "P2-Cath" acc. to Schlederer,8 pcs., OD: 2,8mm, LL(w), individually packed, sterile*



- For easy day milk relase
- Easy and gentle to insert
- Fast milk flons

KERATELIN Milk Canula professional teat care

Z-99055 KERATELIN Milk Canula, disposable,

100 pcs. individually packed, sterile*



Extra large inner diameter, available every time.



^{*}Attention: sterile product return shipment not accepted

Terms and Conditions

I. General

- The following conditions are only valid for offers, deliveries and services of Dr. Fritz Endoscopes GmbH hereafter referred to as the "supplier" - if no other written agreement has been made that differs from them.
- 2. The supplier hereby objects to any purchase provisions made by the purchaser that are contrary to the conditions set by the supplier or from otherwise valid legal regulations established by German law.

Neither will the supplier recognize such provisions if as a result of a deviation on the part of the supplier no further objections are made.

- 3. The supplier's general delivery and payment rules remain generally valid even if individual conditions are invalid. The contract partners are required to replace the invalid condition with another provision that in its economic effect is as close as possible to the invalid one.
- 4. If production is carried out solely in accordance with the purchaser's plans, the supplier bears no responsibility if the legal trademark rights of third parties are violated. The supplier's claims to redress for goods or services provided up until that point remain in effect. 5. German law also applies, the CISG, however, does not.

II. Conditions subject to change
All offers, prices and other stipulations are subject to change unless otherwise explicitly specified. All documents and papers that form part of the offer, such as graphics, diagrams, information as to weight and dimensions, are only approximate provided they have not been explicitly defined as binding. The supplier retains ownership and copyright of all cost estimates, diagrams and other documents, which are not to be made available to third parties without the corresponding approval of the supplier

- III. Scope of the delivery

 1. The supplier's written order confirmation is decisive for the scope of the delivery. Supplementary agreements and changes are only valid with written confirmation by the supplier.

 2. The supplier reserves the right to make changes to construction and form that have to do
- with technological improvements or legal requirements during the delivery period, provided the item is not significantly altered and the change is reasonable for the purchaser.

IV. Prices and conditions of payment

- 1. Price calculations are made according to prices valid on the day of delivery and are to be made in Euro/USD.
- 2. Unless otherwise agreed upon, all prices, products and services are subject to change ex works; this does not include packaging, shipment costs and transport insurance. Added to the price will by any legally required value-added tax or any comparable taxes levied by the country in which the delivery or service is taxable. If no other special agreement has been made, the supplier will determine the method of transport.
- 3. The supplier reserves the right to make changes and corrections to prices. The minimum order value is EUR 100.00 (net) per order. An additional processing charge of EUR 25.00 (net) per delivery will be added to any preliminary shipments of orders that do not equal the minimum order value.
- 4. All expenses resulting from monetary transactions are to be paid by the purchaser
- 5. Unless otherwise agreed upon all payments are due 30 days after the invoice has been issued (date of invoice) strictly net. The interest rate for delayed payments is 10% per annum over the base rate of the European Central Bank (ECB). 6. Payment by draft is not allowed under any circumstances.
- 7. Withholding of payments or charging for any counterclaims made by the purchaser and disputed by the supplier is not permitted.
- 8. If payment is not made on time and there are justified doubts as to the ability of the purchaser to pay or its creditworthiness, the supplier has the right to declare all outstanding charges from the existing business relationship due for payment and only to provide further deliveries and services if paid in advance.
- 9. Any approved discounts and credits are nullified in the case of judicial or extrajudicial
- composition proceedings, insolvency, delayed payment or legal prosecution.

 10. Custom-made products in particular so-called "VO articles" can be charged for on the basis of final costing. Custom manufactured articles will in general not be taken back. A cancellation of orders of customized products is only permissible with the explicit consent of the supplier. In the case of custom manufactured products excess or short deliveries of up to
- 15% over or under the ordered amount can be made and charged accordingly.

 11. If ordered goods are returned without justification, or due to defects for which the supplier is not responsible, we reserve the right to charge a processing fee of up to 10% of the net invoice value, at least EUR 10.00 per return.
- 12. Prices are shown without VAT tax. Deliveries within Germany are only possible with added VAT tax.

- 1. Delivery dates and delivery times are only binding if they have been accepted as binding in writing. The purchaser can claim compensation for losses instead of the product or service after a binding delivery period or a binding delivery time was not complied with only if the supplier or a legal representative or auxiliary person of the supplier can be imputed with wilful or intentional negligence. These liability limitations are not valid in the case of damages to body or health that can be attributed to the supplier.
- 2. A delivery period begins with the dispatch of the order confirmation, however not before documents, materials, items, authorizations, approvals and compliance with agreed upon payment or other obligations are provided or fulfilled by the purchaser.
- 3. The delivery period is considered to have been adhered to when by that date the delivery items have left the factory or readiness for shipment has been communicated
- 4. If outside forces or other unforeseen obstacles, such as, for example, civil unrest, interruption of operations, strikes, lock-outs, etc. interfere with delivery the delivery time will be accordingly extended. The same applies in the case of delayed delivery of essential materials provided these delays can be proven to have a significant influence on the manufacturing process or delivery of the delivery items and are not caused by the supplier.
- 5. After failing to adhere to an unbinding delivery period or delivery time the purchaser can demand in writing that the supplier deliver the products in a reasonable time period if the purchaser has fulfilled all of its due contractual obligations. The purchaser can, after a dead-line was not adhered to, only demand compensation for losses as well as the delivery itself if the supplier or a legal representative or auxiliary person of the supplier can be imputed with wilful or intentional negligence. These liability limitations are not valid in the case of damages to body or health that can be attributed to the supplier.
- 6. If shipment is delayed at the request of the purchaser, beginning a month after notification of readiness for shipment, the purchaser will be charged for costs resulting from storage, at least 0.5% of the net invoice amount per month. After the determination and subsequent failure to adhere to a reasonable deadline the supplier has the right to obtain the delivery item in another manner (prior sale) and to deliver the item(s) to the buyer at a later point in time.

VI. Partial deliveries

The supplier can fulfil an order with partial deliveries that are to be separately paid for according to the payment periods listed in IV./par. 5 If the payment of a partial delivery is delayed, the supplier can discontinue the remaining completion of the order. VII. Transfer of risk and receipt of delivery

- 1. All risk is transferred at the latest with the dispatch of the delivery to the purchaser, even when partial deliveries are made or the supplier has assumed other tasks or services, for example shipping costs or transport and assembly. At the request of the purchaser and at his expense, the deliverer can insure the shipment against breakage, transport, fire, and water damage.
- 2. If the shipment is delayed due to circumstances that the supplier cannot control, all risk is transferred to the purchaser as of the day of the readiness for shipment, however the supplier is required, at the purchaser's request and expense, to procure the insurance of the

purchaser's choice.

. 3. The purchaser only has the right to refuse to accept the delivery item if the delivery item shows significant defects.

VIII. Conditional sales

- 1. The supplier retains ownership of all delivery parts delivered byhim until the purchaser has fulfilled all obligations from current and other business transactions, especially any outstan-
- 2. Within the framework of regular business operations the purchaser may
- a.) sell the supplier's delivery parts, unless he has not paid on time or suspended payment. b.) has not joined or combined the supplier's delivery parts with other items. In this case the supplier will be granted co-ownership in accordance with §§ 947, 948 of the German Civil Code.
- c.) process or modify the supplier's delivery parts. This processing or modification takes place without expense for the supplier. If as a result of the processing or modification an object of significantly higher value is produced, the supplier will obtain co-ownership, which corresponds to the amount of value his delivery contributes to the value of the new object.

 3. The purchaser may neither mortgage the delivery item nor transfer his titles for the sake of
- settling debt. If a delivery item is mortgaged or seized or otherwise made available to a third party the supplier is to be immediately informed.
- 4. In the case of resale of the supplier's delivery parts or of the item that results from processing or combination of these parts, the purchaser is to immediately render the amount charged the subsequent purchaser to the supplier in compliance with § 354a of the German Commercial Code. This amount will correspond to the as yet unpaid invoice amount plus any interest accrued and the supplier's expenses for the delivery part. The purchaser may collect Stand 01.06.2006 on outstanding charges as long as he duly fulfils his obligations to the supplier. If the value of the reserved goods together with other securities granted to the supplier. exceeds the outstanding money owed by the purchaser by more than 20 %, the supplier is required to grant approval if requested by the purchaser.
- 5. If the purchaser does not pay on time the supplier has the right to withdraw from the contract after a reasonable set time period. After withdrawing the purchaser is obligated to return any delivered goods.

IX. Liability for defective delivery items

For defective delivery the supplier is liable to the following clauses to the exclusion of any other claims:

- 1. Defective parts are to be repaired or re-delivered according to the fair judgement of the supplier. If the supplier chooses to repair defective parts, these are to be sent to the supplier's offices Repair of defective parts will not be carried out at the location where they are being used. If the repair is not successful or the parts are not re-delivered the purchaser has the right to reduce the purchase price by a reasonable amount or, if the defective item is not a construction service, to withdraw from the contract at his discretion. The discovery of a defect is to be immediately communicated to the supplier (within 5 working days after receival for missing parts or broken parts). Replaced parts become the property of the supplier.
- 2. The purchaser's right to assert claims due to defects is prescribed to one year beginning with the legally defined beginning of the year as long as §§ 438 par.1 No.2 or 634a par.1 No.2 of the German Civil Code are not applicable and the defects are unintentional.
- 3. There is no liability for damages that result from the following: Unsuitable or improper use, incorrect assembly or operation by the purchaser or a third party, natural wear, staining, incorrect or negligent handling - especially excessive strain - unsuitable operating fluids or cleaning agents, replacement materials, chemical, electro-chemical or electric influences, provided the supplier bears no responsibility.

 4. The purchaser is required according to fair judgement to grant the supplier a reasonable
- amount of time for the completion of all apparently necessary repairs and replacement deliveries.
- 5. The supplier is not liable for defects that involve the construction method determined by
- the purchaser or material delivered by the purchaser.

 6. The liability for defects is not extended by repair or re-delivery. A new guarantee period in accordance with VIII. 2. Does not begin.
- 7. Other claims by the purchaser, in particular claims to damage compensation, which did not result from the delivery item are not valid.
- 8. There is no guarantee for changes made or operations performed by the purchaser or a third party in an improper manner or without previous authorization by the supplier. There is also no guarantee for natural wear and tear or improper use.
- 9. The supplier is not liable for consultation and suggestions not directly associated with a delivery and that are not defined as binding. This is also the case for operation or maintenance instructions that are not defined as binding.
- 10. The guarantee is not limited by the above clauses if conditions are involved in which the supplier or a legal representative or auxiliary person of the supplier can be imputed with wilful or intentional negligence, there is liability for the body, health or life of a person, or § 478 par.4 of the German Civil Code is violated.

 X. Supplier's right to withdraw from contract

If the purchaser is found to be in a poor financial situation (for example in judicial composition proceedings, execution measures) and if the supplier learns of this after the contract

or after the closing of the contract a significant decline in the purchaser's financial situation becomes known and the supplier's claims from the supply contract are put at risk, the supplier has the right to withdraw from the contract without any obligation to redress while maintaining his claims from the partial delivery completed, should the purchaser not provide sufficient security within a reasonable period of time determined by the supplier. The delivery period is extended by the length of time of this right to withhold deliveries is being exercised

XI. Place of fulfilment and jurisdiction

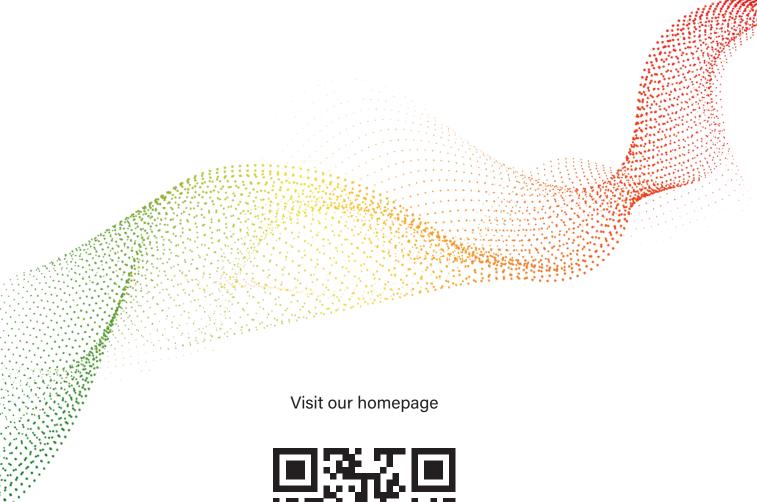
- 1. Place of fulfilment for the deliveries and services to be provided by the supplier and place of fulfilment for all financial transactions are the supplier's head offices.

 2. For all disputes that result from contractual relationships the complaint is to be lodged
- at the court presiding over the location of the supplier's head offices, if the purchaser is a merchant, public entity or a public separate estate. The supplier also has the right to lodge a legal complaint at the purchaser's head offices.
- 3. For relations to non-merchants the preceding is also valid if after closing the contract the purchaser transfers his domicile or place of residence to a location outside the jurisdictional limits of the civil code or at the time of the legal enforcement his domicile or place of residence is not known.
- 4. If there are doubts as to the interpretation of the general export delivery conditions, the German language version has precedence.

XII. Data storage

The purchaser accepts our data safety regulations.

10.2018





Dr. Fritz Endoscopes GmbH

Almenweg 10 88637 Buchheim Germany +49 (0) 7777 882300

dr.fritz@dr-fritz.de www.dr-fritz.com

