

products





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The image is a composite of three photographs showing medical catheters. The top photo shows a clear plastic catheter with a long, thin wire extending from it. The middle photo shows a red, cylindrical catheter with a clear plastic hub and a white cap. The bottom photo shows a clear plastic catheter with a long, thin wire extending from it. The text "Arterial Seldinger Catheters" is overlaid in red on the middle photo.

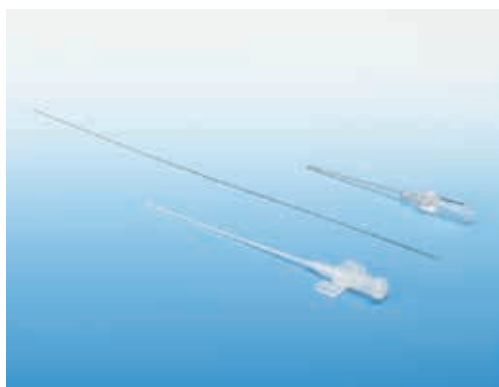
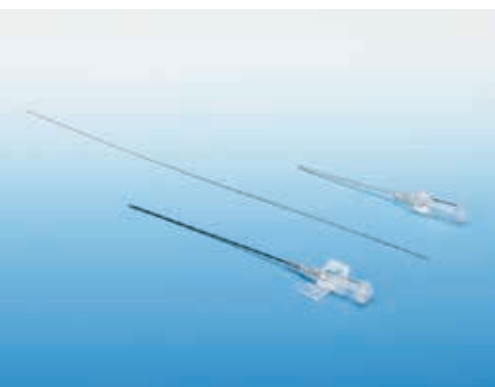
## Arterial Seldinger Catheters

## 6 Arterial Seldinger Catheters

### MICROSELD®

Radiopaque arterial catheter for measurement and diagnosis

MICROSELD® is suited for non-traumatic puncture of peripheral arteries for safe and complication-free positioning. It can be applied for any operation where a continuous blood pressure monitoring in anaesthesia and internal medicine is required and vessel damage or bleeding is to be eliminated, especially for arteria radialis, arteria brachialis and arteria femoralis. MICROSELD® is also suited for monitoring of the heart function, circulation and lung function control as well as for sampling of blood gas. The used biocompatible Teflon material avoids deposition of any kind of blood ingredients such as fibrin, erythrocytes and leucocytes. For this reason MICROSELD® - PTFE is particularly suited for long-term-monitoring of the catheter over 48 hours. But also the MICROSELD®-PEBAX has a big flexibility area, an excellent moving fortune and a good chemical resistance. It is produced without softeners.



#### Content

- Micro-catheter with flexible wings
- Puncture needle with transparent handle
- Safety guide wire with flexible tip 3 cm

REF	Length x Size	French Size	Material
302 042	4 cm x 0,7 mm	2	PTFE
302 062	6 cm x 0,7 mm	2	PTFE
302 063	6 cm x 1,0 mm	3	PTFE
302 083	8 cm x 1,0 mm	3	PTFE
302 113	11 cm x 1,0 mm	3	PTFE
302 153	15 cm x 1,0 mm	3	PTFE
302 084	8 cm x 1,3 mm	4	PTFE
302 114	11 cm x 1,3 mm	4	PTFE
302 154	15 cm x 1,3 mm	4	PTFE
302 204	20 cm x 1,3 mm	4	PTFE
302 115	11 cm x 1,7 mm	5	PTFE
302 205	20 cm x 1,7 mm	5	PTFE
305 063	6 cm x 1,0 mm	3	Pebax
305 083	8 cm x 1,0 mm	3	Pebax
305 113	11 cm x 1,0 mm	3	Pebax
305 114	11 cm x 1,3 mm	4	Pebax

Box: 20 pcs.

Other lengths and sizes on enquiry.

# MICROSELD®-VENT

Radiopaque arterial catheter for measurement and diagnosis

As MICROSELD®, MICROSELD®-VENT is also suitable for non-traumatic puncture of peripheral arteries for safe and complication-free positioning. Additionally, it is provided with a proximal valve which occurs blood escapes and contamination by disconnection. MICROSELD®-VENT has an insertion device to protect the valve membrane.



## Content

- Micro-catheter with flexible wings, made from biocompatible PTFE
- Puncture needle with transparent handle
- Safety guide wire with flexible tip 3 cm

REF	Length x Size	French Size
307 063	6 cm x 1,0 mm	3
307 083	8 cm x 1,0 mm	3
307 113	11 cm x 1,0 mm	3
307 114	11 cm x 1,3 mm	4

Box: 20 pcs.

Other lengths and sizes on enquiry.







## Venous Seldinger Catheters

## Central Venous Catheters

All catheters consists of high flexible thin-walled polyurethane which ensures very high flow rates. It is anti-thrombogenic and biocompatible. At body temperature it gets very soft, swims in the vessel and reduces clearly the risk of phlebitis. The catheters are equipped with extremely soft-tip. A perforation of the vein or damage of the intima are excluded practically. All intra-catheters have a cm-marking. The X-ray-opaque material offers an extremely high X-ray-ability. The catheter clips offer a safe and fast fixation.



### Content

- Catheter with clamp
- Ultra sharp puncture needle
- Guide wire in advancer with flexible J-tip and one hand handling
- Dilator
- 5ml LL-syringe
- Additional fixation clip
- Further components on enquiry\*

### Advantages of the multilumen catheters:

- Due to only one puncture and the separated lumen providing several accesses, different indications are possible, partly also simultaneous.
- continuous or intermittent drug infusions
- CVP monitoring
- Short- or long-term hyperalimentation
- Likewise, incompatible drugs or solutions can be infused separately in a quick and safe way, also administration of viscous or high-volume fluids.
- Liquid gift with high flow rates in emergency
- Blood sampling and administration of blood products

REF	Size	Length
<b>VENOSELD 1lumen</b>		
331 092H	24 G	9 cm
331 132H	24 G	13 cm
331 130H	20 G	13 cm
331 200H	20 G	20 cm
<b>DUOCATH 2lumen</b>		
332 014	4 F	15 cm
332 024	4 F	20 cm
332 015	5 F	15 cm
332 025	5 F	20 cm
332 017	7 F	15 cm
332 027	7 F	20 cm
332 037	7 F	30 cm
332 028	8 F	20 cm

Box: 10 pcs. (Hardblister)

REF	Size	Length
331 208H	18 G	20 cm
331 206H	16 G	20 cm
331 204H	14 G	20 cm
331 304H	14 G	30 cm
<b>TRILUCATH 3lumen</b>		
323 085	5.5 F	8 cm
323 015	5.5 F	13 cm
323 017	7 F	16 cm
323 027	7 F	20 cm
323 037	7 F	30 cm
<b>QUADROCATH 4lumen</b>		
334 028	8.5 F	20 cm

Other lengths and sizes on enquiry.

# Catheters For Hemodialysis

Hemodialysis catheters are catheters that provide temporary vascular access for hemodialysis until a permanent access is available or until another type of dialysis therapy is substituted. The multiple lumen catheters contain two large bore lumen that are connected to the dialysis machine to form a complete circuit for the removal and return of the patient's blood during treatment. intra offers two- and three-lumen catheters for subclavian-jugular-femoral application. The radiopaque, thermosensitive and anti-kinking PUR-material with a blue soft-tip guarantees a high biocompatibility. It is extremely smooth and has a non-thrombogenic surface. The catheters are semirigid at room temperature and get softer when reaching body temperature thus minimizing the possibility of vessel wall injuries. It allows also the catheter to remain for extended periods in the body. The catheters are intended for percutaneous introduction using the Seldinger Technique. The catheter can be changed using the existing puncture.



## Content

- Catheter with soft tip, clips and fixation aid
- Seldinger Cannula 18G - 7 cm
- Guide wire in advancer with flexible J-tip and one hand handling
- Dilator
- 5ml LL-syringe
- Further components on enquiry\*

REF		Size	Length
<b>DUOCATH 2lumen</b>			
332 112	Straight	12 F	16 cm
332 212	Straight	12 F	20 cm
<b>Box: 10 pcs. (Hardblister)</b>			

Other variations (3lumen catheter / pre-curved / curved extension lines) and lengths on enquiry.

\*

R – Guiding Syringe  
D – Blade  
N – Nitinol Guide Wire  
F – Hypodermic Needle  
Y – Y-Needle

### For example:

332 027 with a Blade and a Nitinol Guide Wire is the article number: 332 027DN  
331 092H with a Guiding Syringe is the article number: 331 092HR

## 12 Venous Seldinger Catheters

# Thermodilution

Multilumen catheter for measuring and monitoring cardiac output and for continuous infusion, blood sampling and blood gas analysis. The catheter is made of radiopaque polyurethane. The marker rings have an interval of 10 cm from distal. The enclosed syringe for inflation of the balloon corresponds to the balloon capacity. The symmetrical balloon is made of Latex and individually checked on pressure resistance and leakages.



REF	Length	French Size
INTRATHERMODIN 2lumen		
250 115	110 cm	5
INTRATHERMODIN 3lumen		
252 116	110 cm	6
252 117	110 cm	7
INTRATHERMODIN 4lumen		
440 117	110 cm	7

Box: 5 pcs.

Other sizes (5 - 7 French) on enquiry.

In dependence of specification a minimum order quantity of 30 pcs. is requested.

A collection of medical catheters and tubing, including a blue catheter with a green connector, a white catheter with a blue connector, and a blue catheter with a white connector. The catheters are coiled and arranged on a light blue background.

## Accessories For Seldinger Catheters, Measurement And Infusion

## Introducer - INTRADESILET®

We provide kits including dilator with precision shaped tip, radiopaque sheath, both made of medical PP/PE, with homogeneous transition from dilator to sheath, puncture needle 18 G, guide wire with flexible, straight or J-tip. The INTRADESILET®-INTRADUCER includes an haemostatic valve and a sideport with stopcock. INTRADESILET®-PEEL is especially designed for the displacement of the introducer-set without changing the localization of the introduced catheter (permanent pacing leads, balloon catheters, drainage catheters, ...). The risk of kinking or traumatic effects at the insertion point is minimized by it's optimized design.



REF	French Size	Sheath Length	Dilator Length	Guide wire	Needle	
300 505	5	12 cm	18 cm	0.035" - 45 cm	18 G - 7 cm	Standard
300 506	6	12 cm	18 cm	0.035" - 45 cm	18 G - 7 cm	Standard
300 507	7	12 cm	18 cm	0.035" - 45 cm	18 G - 7 cm	Standard
300 508	8	12 cm	18 cm	0.035" - 45 cm	18 G - 7 cm	Standard
300 607	7	14 cm	18 cm	0.035" - 45 cm	18 G - 7 cm	Peel
300 608	8	14 cm	18 cm	0.035" - 45 cm	18 G - 7 cm	Peel
300 609	9	14 cm	18 cm	0.035" - 45 cm	18 G - 7 cm	Peel
300 610	10	14 cm	18 cm	0.035" - 45 cm	18 G - 7 cm	Peel
300 805	5	11 cm	15.5 cm	0.035" - 50 cm	18 G - 7 cm	with valve
300 806	6	11 cm	15.5 cm	0.038" - 50 cm	18 G - 7 cm	with valve
300 807	7	11 cm	15.5 cm	0.038" - 50 cm	18 G - 7 cm	with valve
300 808	8	11 cm	15.5 cm	0.038" - 50 cm	18 G - 7 cm	with valve

Box: 10 pcs.

## Guide wires

All guide wires are made of stainless steel with exactly rounded tip. They are available with fixed or movable core. The tip is flexible at one or both ends, with straight or J-tip.

REF	Size	Length	Type
470 075	0.035" / 0.89 mm	70 cm	Straight
470 155	0.035" / 0.89 mm	150 cm	Straight
471 075	0.035" / 0.89 mm	70 cm	J-Tip
471 155	0.035" / 0.89 mm	150 cm	J-Tip
472 155	0.035" / 0.89 mm	150 cm	J-Tip - PTFE coated
472 156	0.038" / 0.96 mm	150 cm	J-Tip - PTFE coated
473 155	0.035" / 0.89 mm	150 cm	Straight - PTFE coated
473 156	0.038" / 0.96 mm	150 cm	Straight - PTFE coated

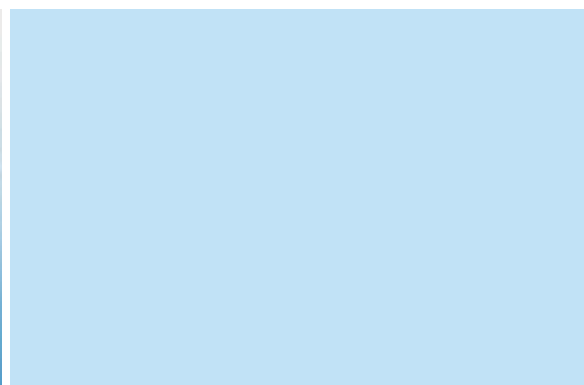
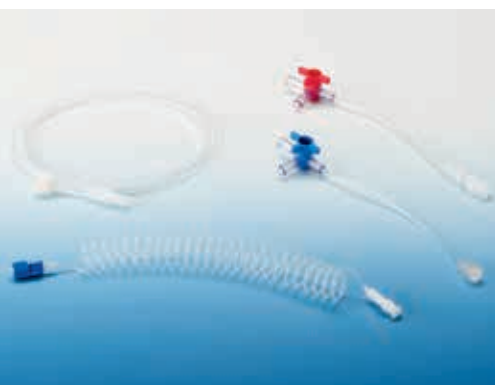
Box: 50 pcs.

Other lengths and sizes for guide wires and introducers on enquiry.



## CONNECATH

The connection line is made of PE (polyethylene) or medical PVC with precision lumen for blood pressure measurement and blood sampling. No hydrothermal changes. No leakages due to line distortions.



REF	Size/Length	Other spec.
PE		
401 xxx (m/f)	2.0 x 1.0 mm / 10-200 cm	14 bar
402 xxx (m/f)	3.0 x 1.8 mm / 10-200 cm	14 bar
Box: 50 pcs.		

REF	Size/Length	Other spec.
Connecath with stopcock (PVC)		
451 015	2.5 x 1.5 mm / 15 cm	Red, 2.5 bar
452 015	2.5 x 1.5 mm / 15 cm	Blue, 2.5 bar
452 070	2.5 x 1.5 mm / 70 cm	Blue, 2.5 bar

Other sizes and lengths on enquiry. Lengths from 10-200cm. The last 3 figures correspond to the length, i.e. 401 030 for 30 cm

## STOPCOCKS

The intra-stopcock is suitable for normal infusion use and accurate frequency measurement. It is transparent, lipid-resistant, resistant against cytostatica and pressure-resistant till 2.0 bar. The luer-lock-connector provides a fast and sure connection.

REF	Description
611 010	2-way-stopcock, LL
621 311	3-way-stopcock, white 360°
Box: 50 pcs.	

REF	Description
621 312	3-way-stopcock, red 360°
621 313	3-way-stopcock, blue 360°

## Accessories

REF	Description
630 001	Filter, 96 h Gelmann with LL connectors 0.2 µm
630 002	Lipid Filter with LL connectors 1.2 µm
Box: on enquiry	

REF	Description
011 000	Tubing adaptor, variable connection adaptor
801 001	Change adaptor, male/male rotating LL
801 002	Change adaptor, female/female

## Manifold / Manifold Systems

The manifold is a one-piece moulding production and has a holding plate for easy and secure attachment to the IV pole with a special clamp. They are transparent, lipid-resistant and pressure-resistant till 2 bar. The stopcock handles are with different colours to differentiate the monitoring lines. If needed also available in one colour.

Our manifold systems can be composed to the customer's specific requirements, also as systems including filters, three-way-stopcocks, etc. They are transparent and pressure-resistant till 2 bar. Extension tubes are available male/female or male/male combinations in different lengths.



REF	Description
701 030	3-way m/f luer-lock with one lateral male port, all other ports female
701 050	5-way m/f luer-lock with one lateral male port, all other ports female
701 130	3-way f/f luer-lock all ports female
701 150	5-way f/f luer-lock all ports female

Box: 50 pcs.

## intra-tumescence-kit

Distributor system for subcutaneous application of thinned down local anesthetic solutions.

The Tumescence-Local-Anesthesia (TLA) is a regional anesthesia of the skin and of subcutaneous fat tissue by a direct infiltration of big volumes of a thinned local anesthetic. The thought, to combine the introduction of fluid with anesthetic means, that during this intervention you can do without risk full general anesthesia, which is normally needed with siphoning greases. The intra-tumescence-kit was specially conceived as distributor system to inject large amounts of thinned solution (up to 6 liters), i.e. with Liposuctions. By parallel use of several cannulas, connected to intra-Tumescence-Set, the duration of infiltration gets abbreviated. The liquid at the single cannulas is promoted with a relatively low speed. This is to avoid a too quick print construction, which gets frequent of patients as felt unpleasantly.

REF	Description
713 999	3-gang Kit, m/f with colored cock and connected infiltration lines (75 cm)

Box: 50 pcs.

Further versions on enquiry



The background of the slide features a collection of medical devices. At the top, a long, thin blue catheter is coiled. Below it, several colored wires (red, black, blue) are connected to a small blue electronic device. In the lower half, there are two larger catheters with blue handles and clear plastic reservoirs, and a blue pen-like device with a metallic tip.

## Electrophysiology

## Intralektrode Bipolar

Bipolar Semi-Floating pacing lead in 4,5 and 6 French for temporary stimulation of the heart especially in emergency cases of bradycardial arrhythmias or for recording intracardiac ECGs. Intralektrode can be positioned quickly, easy and safely and the advantages are good pushability, excellent torque control and positional - stability. Intralektrode can be easily user preformed or ordered in traditional shapes. Spacing and sizes of the electrodes can be changed individually upon request.

### Advantages:

Easy and save positioning, constant torque control, radiopaque, length bending, high positional-stability, user preformability.



### Content

#### Intralektrode bipolar

- 1 bipolar temporary pacing lead, 110 cm
- 1 Introducer Set (over the needle sheath)

#### Intralektrode with balloon

- 1 bipolar, temporary pacing lead with balloon, 110 cm
- 1 syringe for balloon

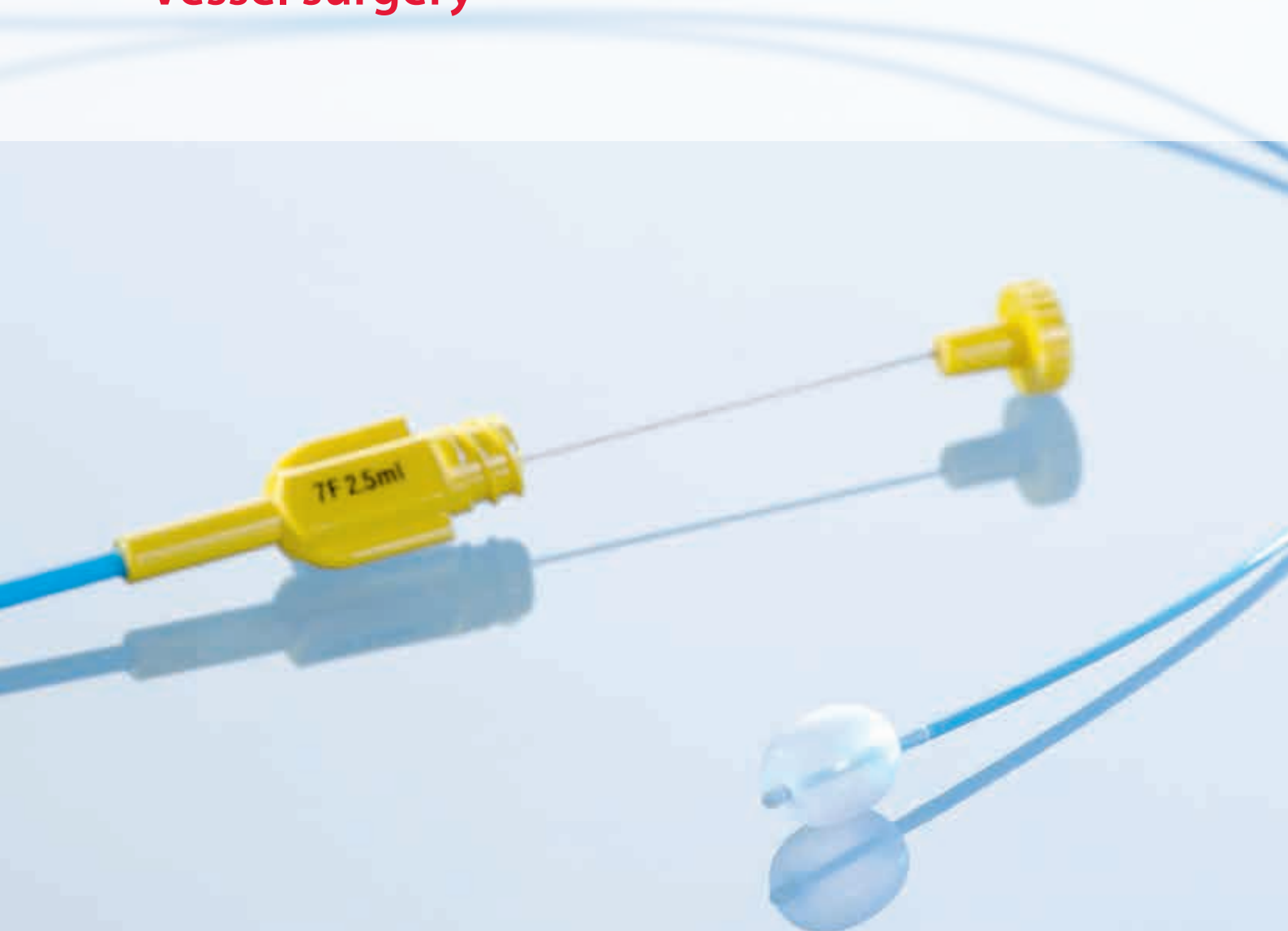
REF	French Size	Tip
<b>Intralektrode bipolar</b>		
022 244M	4	C-Type
022 245M	5	C-Type
022 246M	6	C-Type
<b>Box: 5 pcs.</b>		
<b>Intralektrode with balloon</b>		
052 225	5	Straight
<b>Box: 5 pcs.</b>		

Electrodes in straight version or with J-Type on enquiry.

Electrodes in size of 7F on enquiry.

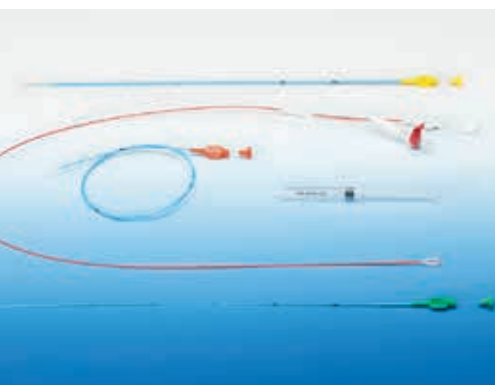


## Vessel surgery



## Balloon catheters

The catheter is made of flexible radiopaque Polyamid with latex balloon and has an inside, removable steel mandrin for difficult vessel constitution. It has a soft tip to avoid vessel perforation. The balloon capacity is adapted to the corresponding lumen. The catheter sizes are colour-coded for easy identification and has marker rings at 10 cm intervals. The length of 40 cm is especially adequate for elimination of thrombi out of cannula dialysis. The double lumen catheter with a length of 80 cm can be delivered in sizes 5 to 7 French. The catheter is distal open and has at proximal end a sideport with flexible line for balloon filling. The biliary catheter is used to remove biliary stones and ductal debris intraoperatively. The flush catheter (without balloon) is designed for irrigation after successful embolectomy, thrombectomy or bile-duct-operation.



REF	French Size	Size	Length	Color	Balloon capacity (ml)	Balloon size
<b>Embolectomy Catheter</b>						
100 240	2	0.7 mm	40 cm	Transparent	0.15	4 mm
100 260	2	0.7 mm	60 cm	Transparent	0.15	4 mm
100 340	3	1.0 mm	40 cm	Green	0.20	6 mm
100 380	3	1.0 mm	80 cm	Green	0.20	6 mm
100 440	4	1.3 mm	40 cm	Red	0.75	8 mm
100 480	4	1.3 mm	80 cm	Red	0.75	8 mm
100 540	5	1.7 mm	40 cm	White	1.50	10 mm
100 580	5	1.7 mm	80 cm	White	1.50	10 mm
100 680	6	2.0 mm	80 cm	Blue	2.00	12 mm
100 780	7	2.3 mm	80 cm	Yellow	2.50	14 mm
100 880	8	2.7 mm	80 cm	Brown	3.00	16 mm

Sterilization by gamma radiation

**Box: 5 pcs.**

Other types and sizes on enquiry.

### Thrombectomy catheter

110 680	6	2.0 mm	80 cm	Blue	1.50	12 mm
110 880	8	2.7 mm	80 cm	Brown	2.25	13 mm
111 080	10	3.3 mm	80 cm	Grey	4.00	19 mm

**Box: 10 pcs.**

### Double lumen catheter with balloon

120 580	5	1.7 mm	80 cm	White	0.90	10 mm
120 680	6	2.0 mm	80 cm	Blue	1.40	11 mm
120 780	7	2.3 mm	80 cm	Yellow	1.60	12 mm

Sterilization by gamma radiation

**Box: 5 pcs.**

**Occlusion catheter / Biliary catheter with balloon / Flush catheter without balloon**

On enquiry

# Disposable-Vein-Stripper

Flexible Nylon wire - High tensile strength of the wire | Practical Handle - Free From Torsions and kinkings

The high flexibility of the nylon wire facilitates the passage of venous valves and minimizes the number of incisions. The smooth wire guarantees easy and atraumatic passage within the veins as well as quick and problem-free shedding of the stripped veins. Thus the extended varices can be quickly controlled for tributary venous vessels and these can be searched specifically and then ligated. One of the important features of the nylon wire is its high tensile strength. An broad handle ensures an effective and thus strength and time-saving stripping of veins. The handle may be set up at any end, distal or proximal, just before stripping. The disposable instrument is free of torsions and kinkings from prior operations. This warrants atraumatic and time-saving application.



## Anterograde and retrograde stripping

The special designed olives, which can be clipped on each wire end after wire-passage through the vein, enable a retrograde as well as an anterograde stripping, independent from distal or proximal access.

## Four sizes in one instrument

The vein stripper may be provided with four various olives of 6, 9, 12, 15 mm diameter. Thus stripping varices of different sizes will be possible with one single instrument which means cost reducing.

## Technical data

Length of the wire: 100 cm

Sizes of the olives: 6, 9, 12 + 15 mm Ø

REF	Description
103 100	With 1 wire
103 200	With 2 wires

Box: 10 pcs.



The background of the slide features a close-up, shallow depth-of-field photograph of medical equipment. In the foreground, a hand is holding a blue and white connector, likely part of a drainage system. Behind it, several long, thin, metallic catheters or needles are visible, some with clear plastic protective sheaths and others with blue or red markings. The overall color palette is light blue and white, giving it a clinical and professional appearance.

## Thoracic Drainage - Pleural Puncture - Accessories

## PNEUMOCATH® / NEO-PNEUMOCATH

Thin and radiopaque drainage in slide-in cover with marker rings, three-way-stopcock with suction connection tube for drainage of air and/or fluid in the pleural cavity, as well as in all emergency situations where the application of a surgical suction drainage might come too late or is quite a risk. Due to its small size and easy handling, the Pneumocath® thoracic drain is particularly valuable in paediatrics. The NEO-PNEUMOCATH® with its enlarged lumen, offers a new and improved technique for drainage in the thoracic cavity. It is also a valuable device for simplifying the Bülow suction method and other trocar methods. A high degree of safety is ensured by compatibility of the material and an Heimlich-valve (PNEUMOVENT®) with fixed LL-mechanism ensures more security. The catheter permits sterile, fast and safe handling without any additional aids.



### Content

#### Basic equipment consisting of:

- Suction catheter with protective cover
- Puncture needle and three-way-stopcock with tube adapter

#### Features of the kits according to the declaration

REF	PNEUMOCATH	Stitch length Needle	Catheter Length	Catheter Size
503 001	PNEUMOCATH® for adults	85 mm	500 mm	8 F (2.7 mm)
503 002	PNEUMOCATH® for children	65 mm	400 mm	8 F (2.7 mm)
503 003	PNEUMOCATH® for prenaturs and newborns	55 mm	300 mm	6 F (2.0 mm)
503 201	PNEUMOCATH® fix-adapter for adults	85 mm	500 mm	8 F (2.7 mm)
Box: 20 pcs.				
503 401	PNEUMOCATH® Kit consisting of <ul style="list-style-type: none"> <li>• Basic equipment</li> <li>• 50 ml syringe</li> <li>• Collecting bag 2.0 ltr. with 90 cm tube</li> </ul>	85 mm	500 mm	8 F (2.7 mm)
503 501	PNEUMOCATH® Kit consisting of <ul style="list-style-type: none"> <li>• 503 401 but with</li> <li>• Heimlich valve (Pneumovent®)</li> </ul>	85 mm	500 mm	8 F (2.7 mm)
Box: 10 pcs.				
REF	NEO-PNEUMOCATH®	Stitch length Needle	Catheter Length	Catheter Size
503 011	NEO-PNEUMOCATH® for adults	85 mm	500 mm	10 F (3.2 mm)
503 211	NEO-PNEUMOCATH® for adults with fix-adapter	85 mm	500 mm	10 F (3.2 mm)
503 012	NEO-PNEUMOCATH® for children	65 mm	400 mm	10 F (3.2 mm)
Box: 20 pcs.				
503 014	NEO-PNEUMOCATH® emergency model with fix-Adapter in Hardblister	85 mm	500 mm	10 F (3.2 mm)
Box: 10 pcs.				
503 111	NEO-PNEUMOCATH® Kit consisting of <ul style="list-style-type: none"> <li>• Basic equipment</li> <li>• Suction tube 180 cm</li> <li>• Heimlich valve (Pneumovent®)</li> <li>• Skin fixation plate</li> </ul>	85 mm	500 mm	10 F (3.2 mm)
Box: 6 pcs.				
503 711	NEO-PNEUMOCATH® Seldinger Technik <ul style="list-style-type: none"> <li>• Catheter with stopcock and adapter (open tip)</li> <li>• Puncture needle 18G – 7cm, Dilator 9F and Guide wire 0.035" – 70cm</li> </ul>	/	500 mm	10 F (3.2 mm)
Box: 20 pcs.				

Box: 20 pcs.

Other kits conforming customer's requests on enquiry.



## PNEUMOCATH® - Intrasplit

New thoracic drainage system with intrasplit-cannula for drainage of pathological accumulation of air and/or fluid in the pleural cavity. Fast, simple and safe handling. The thin drain is to insert through a new intrasplit-cannula. As this is a closed system including a three-way-stopcock already connected, a subsequent connection to an adaptor is not required. After a successful puncture and placement of the thoracic drain into the pleural cavity, the puncture needle is withdrawn, the sterile slide-in cover is removed by splitting it open and the intrasplit cannula is also removed by splitting. The variable adaptor can be connected with the suction lines.



## ONKO-PNEUMOCATH®

A new, improved technique for intercostal drainage to facilitate the aspiration method by Bülow. The catheter provides sterile and reliable manipulation without further auxiliary instruments.

### Indications:

Pathicological accumulation of air and/or liquid in the pleural cavity, especially for malign intrapleural effusion or intended pleurodesis.

### Advantages:

Stabilisation of the catheter extrathoracically and in the area of the thoracic wall by wrapping catheters, self-adhesive fixation panel, suitable connection tube, double safeguard at the three-way-stopcock by two-point-fixation.

REF		Stitch length Needle	Catheter Length	Catheter Size
505 001	PNEUMOCATH® with intrasplit-cannula and already connected stopcock	85 mm	500 mm	8 F (2.7 mm)
Box: 20 pcs.				
503 015	ONKO-PNEUMOCATH® Kit consisting of <ul style="list-style-type: none"> <li>• Basic equipment</li> <li>• Wrapping catheter anti-kink tube</li> <li>• Skin fixation plate</li> <li>• Suction tube 180 cm</li> </ul>	110/85 mm	500 mm	10 F (3.2 mm)

Box: 10 pcs.

## THORACENTESIS / Pleural-Puncture-Kits

Kits for pleural puncture in case of:

- Pneumothorax
- Pleurodesis
- Aspiration of any effusions (i.e. ascites)

They consist of a puncture cannula with catheter (over the needle).

Besides the straight version, the combined models with self-locking-seal and sideport, are particularly well suited for pleurodesis applications. Special possibility for infusion of drugs with subsequent optional suction. Reliable handling by stopcock and a flexible silicon tube. All models have a lateral eye on the distal end of the catheter.

The models with Veress-Needle offers an additional protection against injuries.



REF	Description
503 021	Thoracentesis (14 G – 10 cm) straight version
503 019	Thoracentesis (14 G – 8.5 cm) for adults with side port
503 119	Thoracentesis-Ascites-Puncture Kit consisting of <ul style="list-style-type: none"> <li>• Thoracentesis for adults with sideport (14 G – 8.5 cm)</li> <li>• Syringe 50-60 ml LL</li> <li>• Collecting bag 2.0 ltr. LL with 90 cm tube</li> </ul>
010 050	Veress-Needle (2.1 x 120 mm) with stopcock
503 061	Thoracentesis Kit with Veress-Needle (1.8 x 120 mm) and <ul style="list-style-type: none"> <li>• Collecting bag 2.0 ltr. LL with 90 cm tube</li> <li>• Stopcock</li> <li>• Syringe 50-60 ml LL</li> <li>• 75 cm extension line</li> </ul>
503 060	Thoracentesis Kit with Veress-Needle (2.1 x 120 mm) and <ul style="list-style-type: none"> <li>• Collecting bag 2.0 ltr. LL with 90 cm tube</li> <li>• Stopcock</li> <li>• Syringe 50-60 ml LL</li> <li>• 75 cm extension line</li> </ul>
503 025	Pleural-Puncture-Kit consisting of <ul style="list-style-type: none"> <li>• Thoracentesis (14 G – 8 cm) with puncture needle, 2-way-stopcock and syringe (5 ml)</li> </ul>
<b>Box: 20 pcs.</b>	
503 022	Pleural-Puncture-Kit consisting of <ul style="list-style-type: none"> <li>• Thoracentesis (14 G – 10 cm), straight version</li> <li>• Collecting bag 2.0 ltr. LL with 90 cm tube</li> <li>• Stopcock</li> <li>• Syringe 50-60 ml LL</li> <li>• 75 cm extension line</li> </ul>

**Box: 10 pcs.**

Other kits conforming customer's requests on enquiry.

## Accessories

intra special catheters offers suitable accessories for all thoracic catheters, such as Heimlich-type drainage valves PNEUMOVENT® (with LL-connections or also tube connections), various variable adaptors (with or without stopcock), a special fixation plate to adapt three-way stopcocks, as well as suction tubes with silicone adaptors.



REF	Description
504 001	Pneumovent® with LL-connection
504 002	Pneumovent® with tube connection
503 010	Connection tube to connect the thin drains to bigger systems
503 050	Suction tube 50 cm, male/silicone adaptor
503 180	Suction tube 180 cm, male/silicone adaptor
010 002	Collecting bag 2.0 ltr. with 90 cm tube
<b>Box: 20 pcs.</b>	
011 000	Variable adaptor without stopcock
011 001	Variable adaptor with stopcock for NEO-PNEUMOCATH® (10 F)

**Box: 50 pcs.**

All collecting bags with back valve and bottom valve.



The background of the slide features a collection of medical catheters and connectors. In the upper left, there is a blue plastic connector with a T-junction. Below it, a clear plastic connector with a coiled tube is visible. Several long, thin, clear catheters are arranged diagonally across the frame. One catheter has a blue and white striped section near its handle. Another has a clear, ribbed section. In the bottom right corner, there are two curved metal wires, likely part of a catheter's internal structure or a separate component.

## Special Products

## PERICARDIAL ASPIRATION KIT

Aspiration set to puncture the pericardium by a Pigtail catheter

The catheter has additionally to the distal port 8 side holes for secretion suction, as well as a device for stretching the pigtail tip to make the inserting process easier.



REF	Description
509 045	Pigtail catheter 5 F, 45 cm with three-way-stopcock 18 G Seldinger cannula 7 cm Guide wire J-tip 90 cm x 0.032" with insertion aid Suction bag 2.0 ltr. with LL-adaptor and 90 cm suction tube
509 095	Pigtail catheter 5 F, 90 cm 18 G Seldinger cannula 7 cm + 19 cm Dilator 6F - 10 cm Guide wire J-tip 150 cm x 0.032" with insertion aid
Box: 5 pcs.	
010 002	Collection bag 2.0 ltr. with 90 cm tube
Box: 20 pcs.	

Other lengths and sizes on enquiry.

# High Pressure Lines

Disposable stopcocks, manifolds and pressure catheter for angiography and other pressure measurements in the high pressure range up to 1.200 psi (85 kg/cm<sup>2</sup>) in PVC or PUR.



REF	Description
-----	-------------

## High pressure stopcocks

On enquiry

## High pressure manifolds

On enquiry

## High pressure connecting lines

714 075	75 cm length, PVC, rigid adapter, LL, m/f, 1200 PSI
714 120	120 cm length, PVC, rigid adapter, LL, m/f, 1200 PSI
716 075	75 cm length, PVC, rotating male adapter, LL, m/f, 1200 PSI
716 120	120 cm length, PVC, rotating male adapter, LL, m/f, 1200 PSI

Box: 20 pcs.

PUR-lines with rigid or rotating adapter on enquiry.

## Endovenous Laser Therapy

Varicose veins pose a problem to approx. 15-30% of the adult population, increasing with age. In mild cases patients are bothered by the unaesthetic appearance of varicose veins. Severe cases are associated with pain, inflammation and in rare cases open wounds. Following needle positioning an introducer is easily inserted into the vein by Seldinger technique. After insertion of a laser fibre the treatment can begin. With the laser fibre in correct position of the saphenofemoral junction (determined by ultrasound) you are ready to deliver the first laser pulse. The laser energy will result in permanent thermal damage to the vein wall. The laser treatment is performed along the entire length of the varicose vein and will result in a complete and permanent occlusion of the vein. After a treatment of 30 – 45 minutes the patient can return to normal activity level.



### Advantages of the method:

- minimal risk of side effect
- better aesthetic results compared to other methods
- no post-op downtime for patients
- fast out-patient procedure
- only local anaesthesia
- cost-effective solution

We offer special introducers for bare fibers and radial fibers.

The kit contains the catheter, a puncture needle, dilator und guide wire.

REF	Description	Catheter-Specifications	ID (mm)
<b>Introducers for bare fibers.</b>			
331 704	Catheter Kit	6F – 70 cm/with extension line, blue soft tip	0,92
331 004	Catheter Kit	6F – 100 cm/with extension line, blue soft tip	0,92
330 705S	Catheter Kit	5F – 70 cm; stiff, no extension	1,05
330 005S	Catheter Kit	5F – 100 cm; stiff, no extension	1,05
<b>Box: 25 pcs.</b>			
330 705S2	Catheter/long packed	5F – 70 cm; stiff, no extension	1,05
330 005S2	Catheter/long packed	5F – 100 cm; stiff, no extension	1,05
<b>Box: 10 pcs.</b>			
010 015	Lock-Adapter		
<b>Box: 50 pcs.</b>			
<b>Introducers for radial fibers.</b>			
300 806	Introducer Kit 6 F		
300 807	Introducer Kit 7 F		
<b>Box: 10 pcs.</b>			

Further versions on enquiry





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## Information

All products are delivered **sterile** (ethylene oxide), if not otherwise described.

The products are for **single use only**, if not otherwise described.

Most of intra-products are **latex-free**. But for some products of our range it's not possible to do without.

This is for the following products:

Flow-directed balloon-tipped catheter (Intrathermodin)	→	Balloon from Latex
Pneumovent® valve	→	Inside lying valve from Latex
Catheters for vessel surgery (Embolectomies)	→	Balloon from Latex

# Company profile

The company intra special catheters GmbH was founded in 1977. Since then, we have provided our customers worldwide with special catheters for anaesthesiological wards and departments of internal medicine, intensive care and emergency medical care, cardiology and pneumology, which offer the users numerous benefits thanks to their optimum range of safety features included and their consistently high quality.



More than ever before, the success of a product is defined by its high and consistent quality. Therefore, we put our faith in qualified staff and are committed to highly advanced production premises. Of course all our products are manufactured and sterilized in accordance with GMP. Hence, only materials of highest purity and quality are used.

Our competence is the result of long years of experience. We take up new challenges by facing them with prompt technological developments. We believe that no product is so good that it could not be further improved. That is why innovation work is carried out in cooperation with physicians from research, universities and hospitals.

intra products are used in various fields of medicine; both in pneumology, where special catheters are used to remove pathological accumulations of air and/or fluid within the pleural cavity, and in intensive care as well as cardiology for invasive measurement of arterial/venous or pulmonary pressures. Of course, we offer adequate accessories for all our special products.

Our enterprise is certified in compliance with the international standards ISO 13485 and Annex II / V according to guideline 93/42/EEC. intra products bear the CE mark of the European Commission.



# Certificate

## Quality Management System

ecm Zertifizierungsgesellschaft für Medizinprodukte in Europa mbH, Bismarckstr. 106, 52066 Aachen, Germany, hereby declares that an examination of the undermentioned quality assurance system has been carried out following the requirements of DIN EN ISO 13485:2016.



Through an audit performed on behalf of

**intra special catheters GmbH**

Oststrasse 2, 66780 Rehlingen-Siersburg, Germany

it could be demonstrated that a quality management system

according to

**DIN EN ISO 13485:2016**

"Medical devices – Quality management systems – Requirements for regulatory purposes"

for the

**manufacturing and distribution of medical devices**

has been established and implemented.

This certificate is only valid under the conditions stated in the audit report mentioned hereafter. Any substantial changes of the quality assurance have to be notified to ECM and are subject to a separate assessment.

Report Number

**218-18-927**

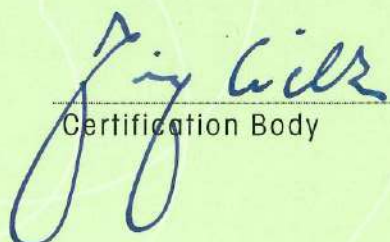
Registered under

**Z/18/04346E**

Valid until

**November 17<sup>th</sup>, 2021**

Valid as of: November 18<sup>th</sup>, 2018

  
Certification Body



# Certificate

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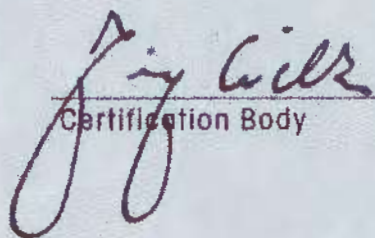
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Report Number	Registered under	Valid until
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Valid as of: November 18<sup>th</sup>, 2018

  
Certification Body





## EG-Zertifikat / EC-Certificate

gem. 93/42/EWG Anhang V / acc. 93/42/EEC Annex V

Hiermit wird bescheinigt, dass die Firma / This certifies, that the company

**intra special catheters GmbH**

**Oststraße 2  
66780 Rehlingen-Siersburg  
Deutschland**

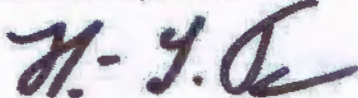
für die Produkte / die Kategorie: Liste der Produkte siehe Anlage 1  
for the products / product category: List of products see annex 1

**Produkte zum Einmalgebrauch  
Products for single use**

ein Qualitätssicherungssystem für die Herstellung der genannten Produkte nach Maßgabe des Anhang V der Richtlinie 93/42/EWG anwendet. Die Übereinstimmung mit den Anforderungen wurde in einem Audit nachgewiesen. Zusätzlich zur CE-Kennzeichnung muss die Kennnummer der Benannten Stelle angebracht werden. Die Gültigkeit dieses Zertifikats beruht auf der Aufrechterhaltung des Qualitätssicherungssystems in Übereinstimmung mit den Anforderungen der Richtlinie und seiner Überwachung durch die Benannte Stelle gem. Anhang V Abschnitt 4. Das Zertifikat ist unter keinen Umständen übertragbar.

has established a quality system for production acc. to the requirements of Annex V of the directive 93/42/EEC. Conformity with the requirements was proved within an audit. Additional to the CE-marking the notification number of the Notified Body has to be affixed. The validity of this certificate is based on the maintenance of the quality system in accordance with the requirements of the directive and its surveillance by the Notified Body according Annex V section 4. The certificate may not be transferred under any circumstances.

Reg.-Nr. / Reg.-No. 44 235 192153  
Bericht Nr. / Report No. 3526 1188



Gültigkeit / Validity  
von / from 2020-01-15  
bis / until 2024-05-26  
Edition 1

Zertifizierungsstelle für Medizinprodukte  
Certification body for medical devices

Essen, 2020-01-15

TÜV NORD CERT GmbH Langemarckstraße 20 45141 Essen [www.tuev-nord-cert.de](http://www.tuev-nord-cert.de) [medical@tuev-nord.de](mailto:medical@tuev-nord.de)

Benannte Stelle Kenn-Nr. 0044 / Notified Body ID. No. 0044



Benannt durch / Designated by  
Zentralstelle der Länder  
für Gesundheitsschutz  
bei Arzneimitteln und  
Medizinprodukten  
[www.zlg.de](http://www.zlg.de)  
ZLG-BS-236.10.16





# ANLAGE/ANNEX

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Annex 1, page 1 of 3

Reg.-Nr. / Reg. No. 44 235 192153

Produkte der Klasse IIa <i>Products of class IIa</i>	UMDNS
Drainagesystem; pleural <i>Drainage Systems, Pleural</i>	10-817
Drainage, thorakal <i>Drains, Thoracic</i>	11-308
Katheter-Einführung <i>Catheters, Introducers</i>	10-678
Katheter, arteriell <i>Catheters, Arterial</i>	10-689
Katheter, Embolektomie <i>Catheters, Embolectomy</i>	10-714
Katheter, Perikarddrainage <i>Catheters, Pericardium Drainage</i>	10-741
Tubus, Verbindung <i>Tubes, Connecting</i>	14-188

Bericht Nr. / Report No. 3528-1188

*M. Y. E.*

Gültigkeit / Validity  
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Essen, 2020-01-16

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Benannte Stelle Kenn-Nr. 0044 / Notified Body ID. No. 0044





# ANLAGE / ANNEX

Anlage 1, Blatt 2 von 3  
Annex 1, page 2 of 3

**Reg.-Nr. / Reg. No. 44 235 192153**

Produkte der Klasse Is  
Products of class Is

UMDNS

Anschlüsse, Adapter  
Fittings, Adapter

11-726

Katheter, sonstige  
Catheters, Others

15-209

Schlauch, Absaugung  
Tubing, Suction

16-779

Tubus, bronchial  
Tubes, Bronchial

15-322

Tubus, Verbindung  
Tubes, Connecting

14-188

Ventil  
Valves

14-325

**Anmerkung:** Für Produkte der Klasse I steril beschränkt sich das Zertifizierungsverfahren auf die Aspekte der Herstellungsschritte in Zusammenhang mit der Sterilisation und der Aufrechterhaltung der Sterilität.

**Note:** For products of class I sterile the certification process is restricted to the aspects of manufacture concerned with securing and maintaining sterile conditions.

Bericht Nr. / Report No. 3526 1186

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*M. J. K.*

Zertifizierungsstelle für Medizinprodukte  
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Benannte Stelle Kenn-Nr. 0044 / Notified Body ID. No. 0044



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bei Arzneimitteln und  
Medizinprodukten  
ZLG-BS-236.10.16



# ANLAGE/ANNEX

Anlage 1, Blatt 3 von 3  
Annex 1, page 3 of 3

**Reg.-Nr. / Reg. No. 44 235 192153**

Sterile Behandlungseinheiten gem. Art. 12 Absatz 3 der Richtlinie 93/42/EWG  
Sterile Procedure Packs acc. Art. 12 Paragraph 3 of Directive 93/42/EEC

	UMDNS
Katheter, zentralvenös <i>Catheters, Central Venous</i>	10-729
Set, allgemeine Verwendung <i>Casework, General-Purpose</i>	15-896
Katheter-Einführung <i>Catheters, Introducers</i>	10-878
Katheter, arteriell <i>Catheters, Arterial</i>	10-689
Drainagesystem, pleural <i>Drainage Systems, Pleural</i>	10-817
Drainagesystem, thorakal <i>Drains, Thoracic</i>	11-308
Katheter, Perikarddrainage <i>Catheters, Pericardium Drainage</i>	10-741

**Anmerkung:** Für sterile Behandlungseinheiten gem. Art. 12 Absatz 3 der Richtlinie 93/42/EWG beschränkt sich der Zertifizierungsverfahren auf die Aspekte der Herstellungsschritte im Zusammenhang mit der Sterilisation und der Aufrechterhaltung der Sterilität.

**Note:** For sterile Procedure Packs acc. Art. 12 Paragraph 3 of Directive 93/42/EEC the certification process is restricted to the aspects of manufacture concerned with securing and maintaining sterile conditions.

Bericht Nr. / Report No. 3528 1188

*H. J. K.*

Gültigkeit / Validity  
von / from 2020-01-16  
Edition 1

Zertifizierungsstelle für Medizinprodukte  
Certification body for medical devices

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Benannte Stelle Kenn-Nr. 0044 / Notified Body ID. No. 0044



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