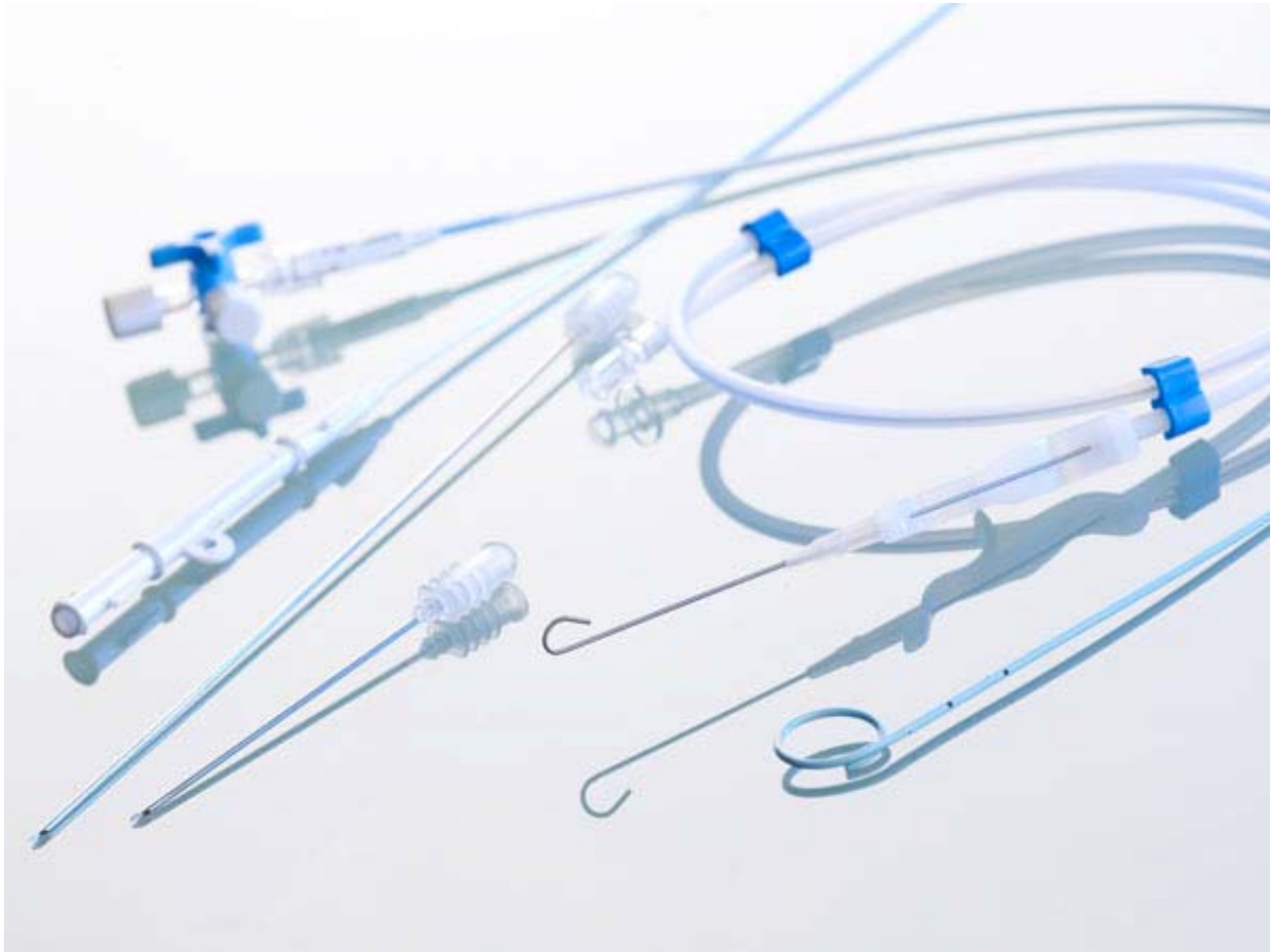


intra

special catheters



Content

Arterial Seldinger Catheters	5
MICROSELD®	6
MICROSELD® -VENT	7
Venous Seldinger Catheters	9
Central Venous Catheters	10
Catheters For Hemodialysis	11
Thermodilution	12
Accessories For Seldinger Catheters, Measurement And Infusion.....	13
Introducer - INTRADESILET®	14
Guide wires.....	14
Monitoring Kits for invasive blood pressure measurement	15
CONNECATH.....	16
CONNECATH - intraspinal.....	16
STOPCOCKS.....	16
Manifold / Manifold Systems	17
Accessories	17
Electrophysiology	19
Intralektrode Bipolar.....	20
Vessel surgery.....	21
Balloon catheters	22
Disposable-Vein-Stripper	23
Implantable Port Systems	25
Implantable Port system.....	26
Thoracic Drainage - Pleural Puncture - Accessories.....	27
PNEUMOCATH® / NEO-PNEUMOCATH®	28
PNEUMOCATH® - Intrasplit	29
ONKO-PNEUMOCATH®	29
THORACENTESIS.....	30
Accessories	31
Special Products	33
PERICARDIAL ASPIRATION SET.....	34
intra-Bronch.....	35
High Pressure Lines	36
Endovenous Laser Therapy	37
Index.....	38
Information.....	38
Company profile.....	39

Arterial Seldinger Catheters



MICROSELD®

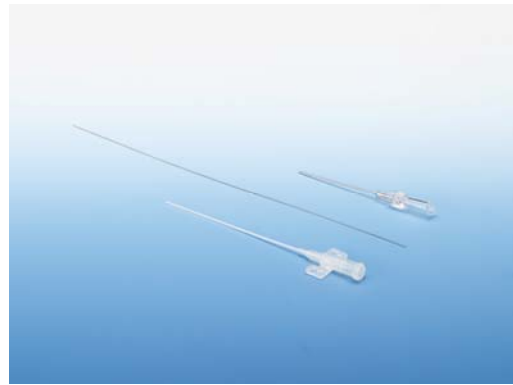
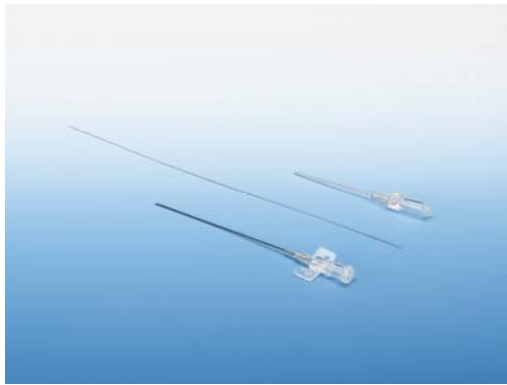
Radiopaque arterial catheter for measurement and diagnosis

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

Cat.no.	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
302 155	15 cm x 1.7 mm	5	PTFE
302 205	20 cm x 1.7 mm	5	PTFE

Box: 20 pcs.

Cat.no.	Length x Size	French Size	Material
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

Cat.no.	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

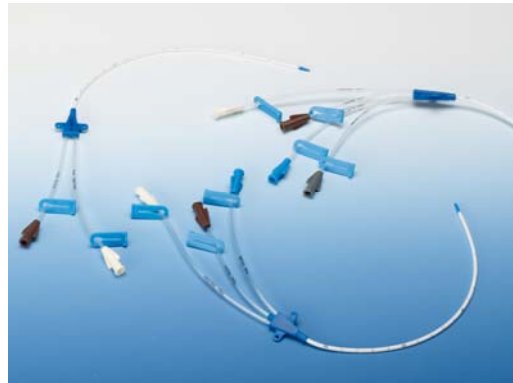


Central Venous Catheters

All **intra**-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.

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
- 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
- CVP monitoring
- Short- or long-term hyperalimentation



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

Cat.no.	Size	Length	Cat.no.	Size	Length
VENOSEL D 1lumen					
331 092H	24 G	9 cm	331 208H	18 G	20 cm
331 132H	24 G	13 cm	331 206H	16 G	20 cm
331 130H	20 G	13 cm	331 204H	14 G	20 cm
331 200H	20 G	20 cm	331 304H	14 G	30 cm
DUOCATH 2lumen			TRILUCATH 3lumen		
332 014	4 F	15 cm	323 085	5.5 F	8 cm
332 024	4 F	20 cm	323 015	5.5 F	13 cm
332 015	5 F	15 cm	323 017	7 F	16 cm
332 025	5 F	20 cm	323 027	7 F	20 cm
332 017	7 F	15 cm	323 037	7 F	30 cm
332 027	7 F	20 cm			
332 037	7 F	30 cm	QUADROCATH 4lumen		
332 028	8 F	20 cm	334 028	8.5 F	20 cm
Box: 10 pcs. (Hardblister)					

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 **intra**-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

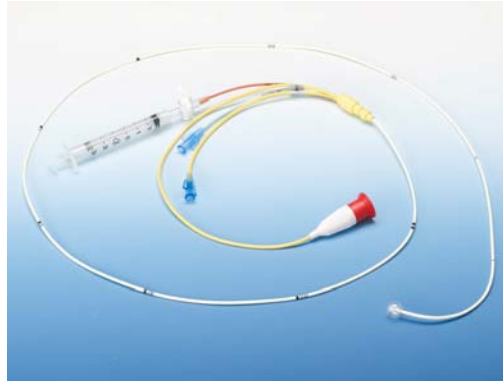
Cat.no.		Size	Length	Cat.no.		Size	Length
DUOCATH 2lumen				TRILUCATH 3lumen			
332 112	Straight	12 F	16 cm	323 112	Straight	12 F	16 cm
332 212	Straight	12 F	20 cm	323 212	Straight	12 F	20 cm
Box: 10 pcs. (Hardblister)							

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

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.



Cat.no.	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.

Accessories (on enquiry)

Cat.no.	Description
300 002	Flow rate-inject-sensor device (temperature sensor) for exact measurement of cardiac output for all catheter sizes
Box: 50 pcs.	

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 its optimized design.



Cat.no.	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
300 606	6	14 cm	18 cm	0.035" - 45 cm	18 G - 7 cm	Peel
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
300 611	11	14 cm	18 cm	0.035" - 45 cm	18 G - 7 cm	Peel
300 805	5	10 cm	15.5 cm	0.035" - 45 cm	18 G - 7 cm	with valve
300 806	6	10 cm	15.5 cm	0.035" - 45 cm	18 G - 7 cm	with valve
300 807	7	10 cm	15.5 cm	0.035" - 45 cm	18 G - 7 cm	with valve
300 808	8	10 cm	15.5 cm	0.035" - 45 cm	18 G - 7 cm	with valve

Box: 10 pcs.

Other sizes and lengths on enquiry.

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.

Cat.no.	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 sizes and lengths on enquiry.

Monitoring Kits for invasive blood pressure measurement

The *Disposable Blood Pressure Transducers and corresponding Monitoring Kits* optimizes the medical monitoring in all traumatic huge surgery and in intensive care.

The Disposable Pressure Transducer Kit consists of a pressure monitoring kit connected to the single-use disposable transducer with an integrated pressure sensor and a stopcock. The complete configuration is sterile.

The kits provide the fluid pathway components that are intended to convert the hemodynamic waveform from patient's catheter through the disposable pressure transducer with integrated pressure sensor, into electrical signals which can be displayed using separate monitoring equipment. The disposal pressure transducer, with the integrated pressure sensor, is intended for direct coupling to sterile catheters with fluid (saline) flows in contact with the patient bloodstream.

intra's Disposable Pressure Transducer is provided with an integral 3cc/hr or 30cc/hr flush device, which requires continuous flow to maintain the catheter patency. Transducers with 3cc/hr flush devices deliver a nominal flow rate of 3cc/hr with a differential pressure of 200 mmHg (infusion bag pressure minus mean physiological pressure of 100 mmHg being monitored). Transducers with 30cc/hr flush devices are designed exclusively for use with a calibrated pump for neonatal applications.

The flush device has a squeeze tab and a pull flush. The squeeze tab can be activated by squeezing the butterfly wing toward each other. The pull flush is activated when it is pulled in the direction away from the transducer. The flush device presents clotting and backflow of blood through the catheter and provides a means of intermittent and rapid manual flushing of the system.

The fast-flush actuator (squeeze or pull flush) offers convenience in fluid filling, debubbling and fast-flushing. Another feature of the pull tab is that it facilitates a "square wave response test" to be performed. This can be used to assess the dynamic performance of the system.

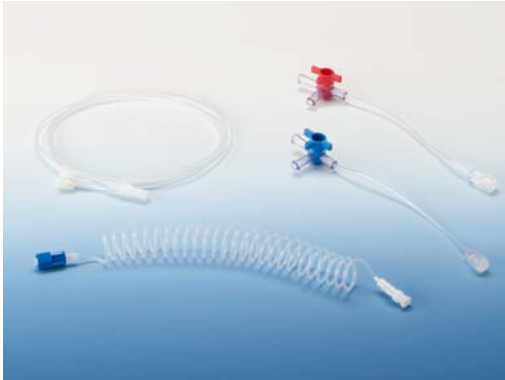


Cat.no.	Description
480 003	Disposable Pressure Transducer with integrated flush and dome for adults
480 030	Disposable Pressure Transducer with integrated flush and dome for neonatals
Box: 10 pcs.	
480 481	Blood Pressure Monitoring System single line with integrated transducer
480 482	Blood Pressure Monitoring System double line with integrated transducer
480 483	Blood Pressure Monitoring System triple line with integrated transducer
Box: 5 pcs.	
Accessories	
	Vertical Mounting Clamp for mounting up to 3 transducer holders
	Horizontal Mounting Clamp for mounting up to 3 transducer holders
	10 foot (3.05m) Monitor Adapter Cables for specific brands of monitors

Other accessories (domes / flush devices / ...) on enquiry.

CONNECATH

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



CONNECATH - intraspinal

The connection- and measurement catheter intraspinal is suitable for infusion and measurement. The length of the line adapts to the movements of the patient. A hygienic handling is ensured, if used properly a disconnection of the **intraspinal** is prevented.

Cat.no.	Size / Length	Other specifications	Cat.no.	Size / Length	Other specifications
PE			PVC		
401 020 (m/f)	2.0 x 1.0 mm / 20 cm	14 bar	461 060 (m/f)	2.7 x 1.5 mm / 60 cm	18 bar
401 090 (m/f)	2.0 x 1.0 mm / 90 cm	14 bar			
401 120 (m/f)	2.0 x 1.0 mm / 120 cm	14 bar	Connecath with stopcock		
401 150 (m/f)	2.0 x 1.0 mm / 150 cm	14 bar	451 015	2.7 x 1.5 mm / 15 cm	Red, 2 bar
402 020 (m/f)	3.0 x 1.8 mm / 20 cm	14 bar	452 015	2.7 x 1.5 mm / 15 cm	Blue, 2 bar
402 120 (m/f)	3.0 x 1.8 mm / 120 cm	14 bar	452 070	2.7 x 1.5 mm / 70 cm	Blue, 2 bar
433 ... (m/m)	2.0 x 1.0 mm / 150 cm	14 bar			
407 150 (m/f)	1.0 x 2.0 mm / 150 cm	intraspinal			
Box: 50 pcs.					

Other sizes and lengths on enquiry

STOPCOCKS

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

Cat.no.	Description
611 010	2-way-stopcock, LL
621 311	3-way-stopcock, three-handle-design, white 360°
621 312	3-way-stopcock, three-handle-design, red 360°
621 313	3-way-stopcock, three-handle-design, blue 360°
Box: 50 pcs.	

Manifold / Manifold Systems

The manifold is made of TPX. Each 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 blue or with different colours to differentiate the monitoring lines.



Cat.no.	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.

All manifold systems can be composed to the customer's specific requirements, also as systems including filters, three-way-stopcocks, etc. Extension tubes are available male/female or male/male combinations in the lengths 50. 100. 150 and 200 cm. Special lengths upon request.

Cat.no.	Description
701 034	3-way, m/f, extension tube 200 cm
701 054	5-way, m/f, extension tube 200 cm
712 034	3-way, m/f, extension tube 200 cm, 3-way-stopcock
712 054	5-way, m/f, extension tube 200 cm, 3-way-stopcock

Box: 50 pcs.

Other sets can be composed according to the customer's specific requirements.

Accessories

Cat.no.	Description	Cat.no.	Description
702 002	Universal holding device rotatable	011 000	Tubing adaptor, variable connection adaptor
702 003	Universal holding device fixed		
630 001	Filter, 96 h Gelmann-filter with LL connectors	801 001	Alternate adaptor, male/male, rotating LL
630 002	Lipid Filter with LL connectors	801 002	Alternate adapter female/female, LL

Box: on enquiry

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.

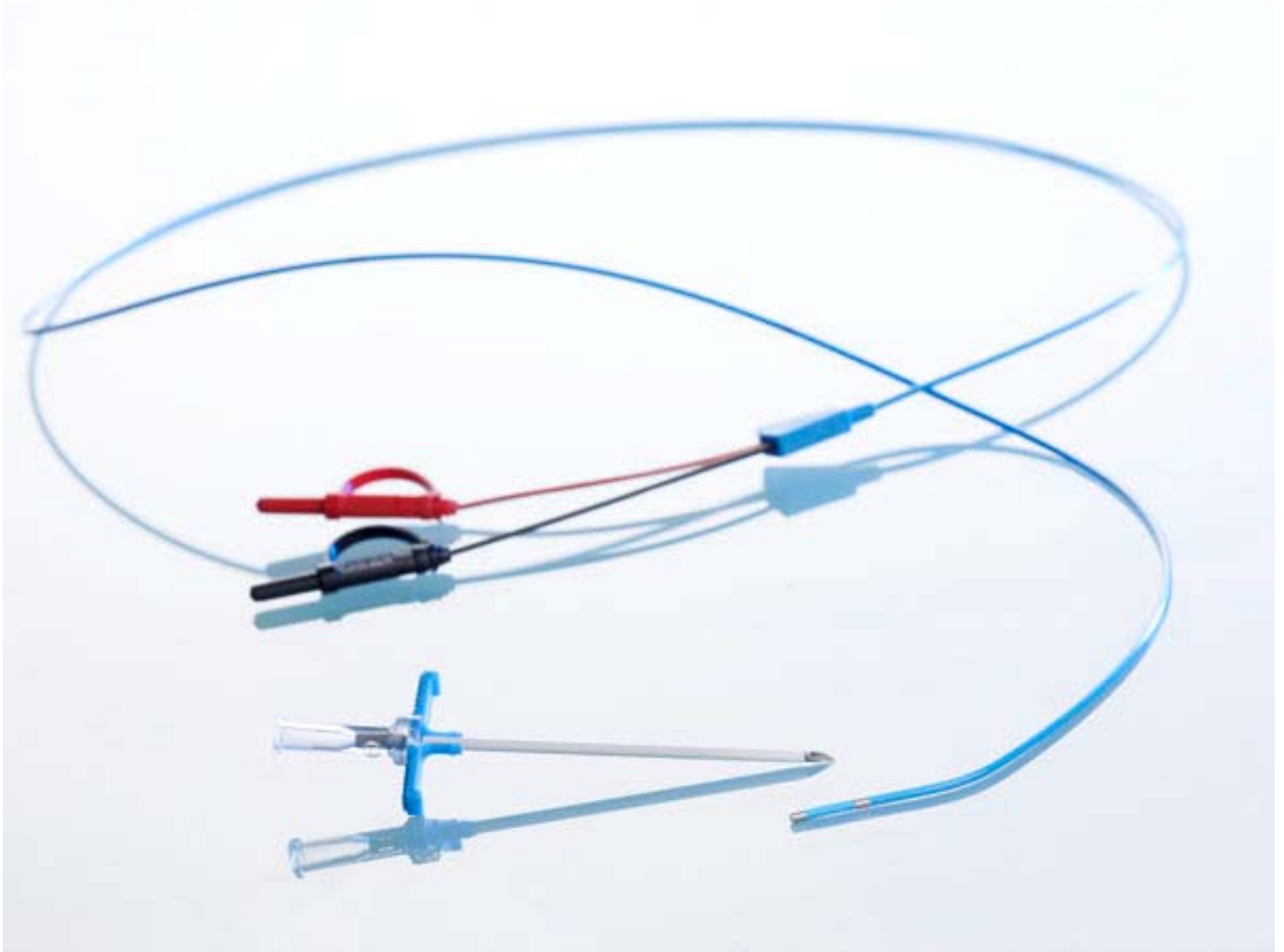
The intra-tumescence-kit was specially conceived as distributor system to inject large amounts of thinned solution (up to 6 liters), i.e. with Liposuctions.

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.



Cat.no.	Description
713 999	3-gang Kit, m/f with colored cock and connected infiltration lines (75 cm)
713 998	dto. 5gang Kit
713 997	dto. 5gang Kit but infiltration lines 140 cm
Box: 50 pcs.	

Electrophysiology



Intraelektrode 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.

Intraelektrode can be positioned quickly, easy and safely and the advantages are good pushability, excellent torque control and positional stability. **Intraelektrode** 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

Intraelektrode bipolar

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

Intraelektrode with balloon

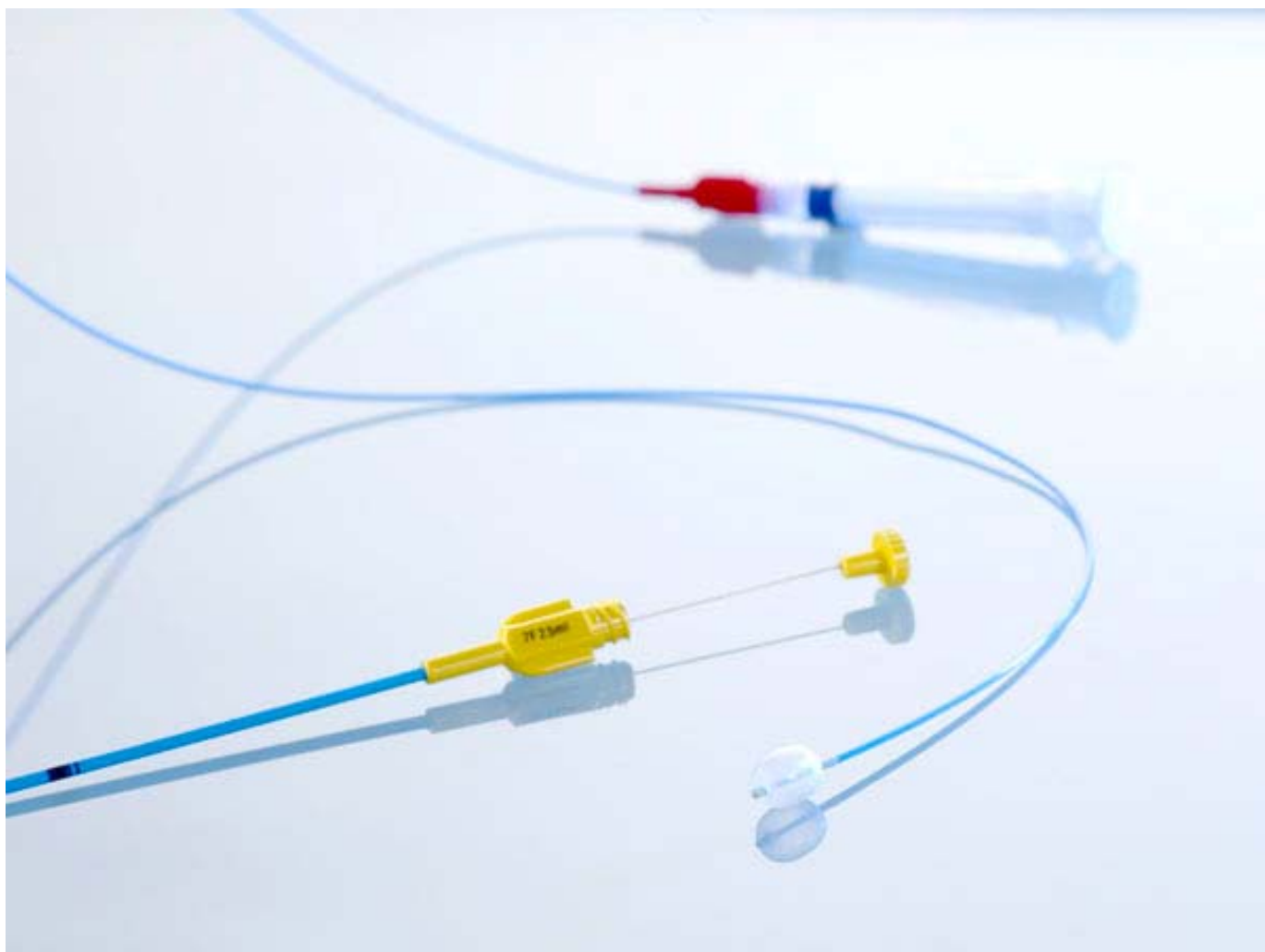
- 1 bipolar, temporary pacing lead with balloon
- 1 syringe for balloon 0.8 ml

Cat.no.	French Size	Tip
Intraelektrode bipolar		
022 244M	4	C-Type
022 245M	5	C-Type
022 246M	6	C-Type
Box: 5 pcs.		
Intraelektrode with balloon		
052 225	5	Straight
Box: 5 pcs.		

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

Electrodes in size of 7F on enquiry.

Vessel surgery



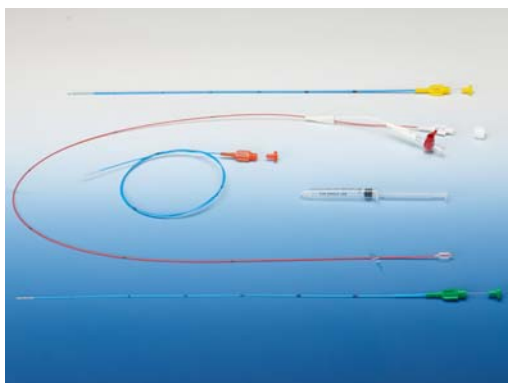
Balloon catheters

The catheter is made of flexible radiopaque polyurethane 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 4 to 7 CH. 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 debries intraoperatively.

The flush catheter (without balloon) is designed for irrigation after successful embolectomy, thrombectomy or bile-duct-operation.



Cat.no.	Size [French]	Size [mm]	Length [cm]	Color	Balloon capacity [ml]	Balloon size [mm]
Embolectomy catheter						
100 240	2	0.7	40	Grey	liq 0.05 / gaz 0.20	4
100 260	2	0.7	60	Grey	liq 0.05 / gaz 0.20	4
100 340	3	1.0	40	Green	0.20	5
100 380	3	1.0	80	Green	0.20	5
100 440	4	1.3	40	Red	0.75	8
100 480	4	1.3	80	Red	0.75	8
100 540	5	1.7	40	White	1.50	10
100 580	5	1.7	80	White	1.50	10
100 680	6	2.0	80	Blue	2.00	13
100 780	7	2.3	80	Yellow	2.50	14
100 880	8	2.7	80	Brown	3.00	15
Box: 5 pcs.						
Thrombectomy catheter						
110 680	6	2.0	80	Blue	1.50	12
110 880	8	2.7	80	Brown	2.25	13
111 080	10	3.3	80	Grey	4.00	19
Box: 10 pcs.						
Double lumen catheter with balloon						
120 480	4	1.3	80	Red	0.75	8
120 580	5	1.7	80	White	1.50	10
120 680	6	2.0	80	Blue	2.00	13
120 780	7	2.3	80	Yellow	2.00	14
Box: 5 pcs.						
Occlusion catheter						
On enquiry						
Biliary catheter with balloon						
On enquiry						
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

Cat.no.	Description
---------	-------------

103 100	With 1 wire
103 200	With 2 wires

Box: 10 pcs.

Implantable Port Systems



Implantable Port system

- for chemotherapy and other procedures for following indications:

- Oncology (patients with long term ambulatory chemotherapy and interval perfusions or continuous infusion)
- Parenteral long term nutrition / home parenteral nutrition
- Substitution of blood or blood particles
- Blood sampling for diagnostic
- Patients with a difficult vessel anatomy
- Set of heparine/saline solution (NaCl) block



Titanium is excessively lighter than stainless steel and does not content nickel. Furthermore, it is not magnetic which might also be very important in special situations. The port is easy to implantate (subcutaneously).

The POM ports dispose of a flexible connection (therefore kinking protection). The port is low-weight and biocompatible. The preconnected, radiopaque silicone catheter can be disconnected and shorted if necessary.

The venous catheter is graduated. The silicone membrane closes automatically. The port is pressure-proofed till 7 bar. Due to its anatomical form, the port can be implantated easily and also be recognized without any problems by radiological handlings.

Cat.no.	Cat.no. Kit			Weight [g]	Port measures [Ø x h]	Septum Ø [mm]	Catheter length [mm]	Catheter Ø [mm]
370 020	037 020	Titanium	Venous	18.0	29.5 x 12.2	14	700	1.0 x 2.0
370 023	037 023	Titanium	Venous	18.0	29.5 x 12.2	14	700	1.0 x 2.3
370 026	037 026	Titanium	Venous	18.0	29.5 x 12.2	14	700	1.0 x 2.6
370 632	037 632	Titanium	Venous	18.0	29.5 x 12.2	14	700	1.6 x 3.2
370 120	037 120	Titanium	Venous, paediatric	14.0	24,75 x 9.8	10.2	700	1.0 x 2.0
370 823	037 823	Titanium	Arterial	18.0	29.5 x 12.2	14	600	0.8 x 2.3
380 022	038 022	POM	Venous standard	7.3	34 x 30 x 14.5	12	700	1.0 x 2.0
380 123	038 123	POM	Venous flat	4.1	29.5 x 25.8 x 12.3	10	700	1.0 x 2.0
380 823	038 823	POM	Arterial standard	7.3	34 x 30 x 14.5	12	600	0.8 x 2.3
380 923	038 923	POM	Arterial flat	4.1	29.5 x 25.8 x 12.3	10	600	0.8 x 2.3

Huber-Needles

Cat.no.	Size / Length	Color	Cat.no.	Size / Length	Color
Straight, HD			90° angled, HC		
372 225	22 G 25 x 0.70 mm	Black	372 220	22 G 20 x 0.70 mm	Black
372 238	22 G 38 x 0.70 mm	Black	372 226	22 G 25 x 0.70 mm	Black
372 025	20 G 25 x 0.90 mm	Yellow	372 230	22 G 30 x 0.70 mm	Black
372 925	19 G 25 x 1.10 mm	Brown	372 026	20 G 25 x 0.90 mm	Yellow
90° angled, with extension, HC			372 030	20 G 30 x 0.90 mm	Yellow
373 ...	As 90° angled, HC ...		372 926	19 G 25 x 1.10 mm	Brown
Box: 50 pcs.					

As an option it is possible to have a tunneler inside the kits (for an additional charge).

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 luer-lock mechanism ensures more security. The catheter permits sterile, fast and safe handling without any additional aids.



Cat.no.	PNEUMOCATH®	Needle	Catheter Length	Catheter Size
503 001	PNEUMOCATH® for adults	110/85 mm	500 mm	8 F (2.7 mm)
503 002	PNEUMOCATH® for children	85/65 mm	400 mm	8 F (2.7 mm)
503 003	PNEUMOCATH® for premature and newborns	80/55 mm	300 mm	6 F (2.0 mm)
503 201	PNEUMOCATH® fix-adapter for adults	110/85 mm	500 mm	8 F (2.7 mm)
503 202	PNEUMOCATH® fix-adapter for children	85/65 mm	400 mm	8 F (2.7 mm)
503 203	PNEUMOCATH® fix-adapter for premature and newborns	80/55 mm	300 mm	6 F (2.0 mm)
Box: 20 pcs.				
503 401	PNEUMOCATH® Kit consisting of <ul style="list-style-type: none"> • Catheter with puncture needle • Tubing adapter with stopcock • 50 ml syringe • Suction bag 2.0 ltr. with 90 cm tube 	110/85 mm	500 mm	8 F (2.7 mm)
503 501	PNEUMOCATH® Kit consisting of <ul style="list-style-type: none"> • 503 401 but with • Heimlich valve (Pneumovent®) 	110/85 mm	500 mm	8 F (2.7 mm)
Box: 10 pcs.				
Cat.no.	NEO-PNEUMOCATH®	Needle	Catheter Length	Catheter Size
503 011	NEO-PNEUMOCATH® for adults	110/85 mm	500 mm	10 F (3.2 mm)
503 211	NEO-PNEUMOCATH® for adults with fix-adapter	110/85 mm	500 mm	10 F (3.2 mm)
503 012	NEO-PNEUMOCATH® for children	85/65 mm	400 mm	10 F (3.2 mm)
Box: 20 pcs.				
503 014	NEO-PNEUMOCATH® emergency model	110/85 mm	400 mm	10 F (3.2 mm)
Box: 10 pcs.				
503 111	NEO-PNEUMOCATH® Kit consisting of <ul style="list-style-type: none"> • Catheter with puncture needle • Tubing adapter with stopcock • Suction drain 180 cm • Heimlich valve (Pneumovent®) • Holding plate 	110/85 mm	500 mm	10 F (3.2 mm)
Box: 6 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 Bülau. 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.

Cat.no.		Needle	Catheter Length	Catheter Size
505 001	Pneumocath [®] with Intrasplit-cannula	110/85 mm	500 mm	8 F (2.7 mm)
Box: 20 pcs.				
503 015	ONKO-PNEUMOCATH [®] Kit consisting of <ul style="list-style-type: none"> • Catheter with puncture needle • Wrapping catheter • Fixation line including variable adaptor • Suction tube 180 cm 	110/85 mm	500 mm	10 F (3.2 mm)
Box: 10 pcs.				

THORACENTESIS

Aspirating set for pleuracentesis suitable for:

- pneumothorax
- pleurodesis
- aspiration of any effusions

Combined models with self-locking-seal, particularly well suited for pleurodesis applications. Special possibility for infusion of drugs with subsequent optional suction.

Reliable manipulation by means of a three-way-stopcock and a flexible silicon tubing.

All models with lateral eye on the distal end of the catheter.



Cat.no.	Description
503 021	Thoracentesis with straight puncture needle (14 G – 11 cm)
503 020	Thoracentesis for paediatrics with sideport (17 G – 3.5 cm)
503 019	Thoracentesis for adults with sideport (14 G – 8.5 cm)
503 119	Thoracentesis-Ascites-Puncture-Set consisting of <ul style="list-style-type: none"> • Thoracentesis with sideport (14 G – 8.5 cm) • Syringe 50 ml LL • Suction bag 2.0 ltr. LL with 90 cm tube
503 061	Thoracentesis with Veress-Needle (120 x 1,8 mm) and <ul style="list-style-type: none"> • Suction bag 2.0 ltr. LL and 90 cm tube • Three-way-stopcock blue • 60 ml syringe • 75 cm infusion tube
503 025	Pleura-Puncture-Set consisting of <ul style="list-style-type: none"> • Thoracentesis with straight puncture needle (14 G - 8 cm), stopcock and syringe
Box: 20 pcs.	
503 022	Pleura-Puncture-Set consisting of <ul style="list-style-type: none"> • Thoracentesis with straight puncture needle (14 G - 11 cm) • Suction bag 2.0 ltr. LL with 90 cm tube • Three-way-stopcock blue • 60 ml syringe • 75 cm infusion tube

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 luer-lock 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 or Heidelberger extension-lines.



Cat.no.	Description
504 001	Pneumovent [®] with luer-lock connection
504 002	Pneumovent [®] with tube connection
504 007	Pneumovent [®] double chamber valve, both sides tube adaptor
503 010	Connection tube to connect the thin drains to bigger systems
503 016	Skin fixation plate
503 050	Suction tube 50 cm, male/silicone adaptor
503 180	Suction tube 180 cm, male/silicone adaptor
010 002	Suction bag 2.0 ltr. with 90 cm tube
Box: 20 pcs.	
011 000	variable adaptor without stopcock
011 001	variable adaptor with stopcock for NEO-PNEUMOCATH [®] (10 F)
Box: 50 pcs.	

Special Products



PERICARDIAL ASPIRATION SET

Aspiration kit to puncture the pericardium by a Pigtail catheter



Cat.no.	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 5F - 10 cm Guide wire J-tip 150 cm x 0.032" with insertion aid
Box: 5 pcs.	
010 002	Suction bag 2.0 ltr. with 90 cm tube
Box: 20 pcs.	

Other lengths and sizes on enquiry.

intra-Bronch

for:

- Diagnosis of Nosocomial Pneumonia
- Bronchoscopic or Blind Dry Aspiration Technique

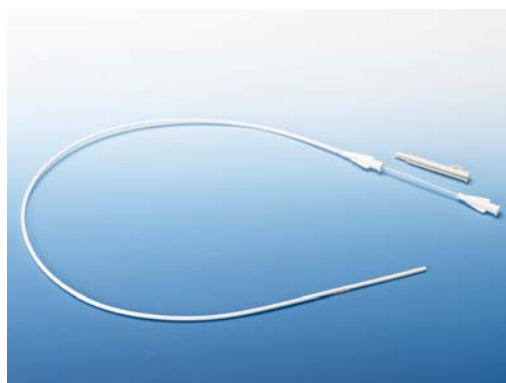
The system is particularly suitable for the application during the artificial respiration phase of the patient. In most cases a pneumopathy develops in the lower area of the lungs.

It is a fast, protected method to identify the problem directly and use the suitable antibiotics therefore specifically. One shouldn't wait however for any case till the patient has fevers since otherwise the risk of grave complications increases (it is known that the mortality rate is high in these cases).

With the intra-Bronch, so the risk of a bacteria resistance is reduced on a minimum since one can start preventative measures always corresponding. By a direct microscopic examination a wide spectrum of antibiotics can be avoided.

Advantages of the method:

- Biopsy with one catheter system only. In most cases the system can be used directly. Use by an endoscope is superfluous. It is however also possible to introduce the catheter system through a Bronchoscope in case of difficult conditions.
- No intermixing of epithelial cells or cells from the upper respiratory tract possible.
- The patient doesn't have to get a detubation.
- A bronchoscopy is superfluous in most cases.
- Avoidance of bacterial resistance.
- Lower up of the mortality to 30%.
- Short artificial respiration time.
- Patient kind.
- Cost-saving (time-saving - by qualified staff).



Cat.no.	Outer catheter Ø / Length	Inner catheter Ø / Length
506 001	2.7 x 2.0 mm - 60 cm	1.7 x 1.2 mm - 65 cm
506 002	2.0 x 1.5 mm - 35 cm	1.4 x 1.0 mm - 40 cm
506 004	2.0 x 1.5 mm - 75 cm	1.4 x 1.0 mm - 80 cm

Box: 20 pcs.

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/cm²) in PVC or PUR.



Cat.no.	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 milde 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

Besides the laser fibre we also offer corresponding introducer kits. The introducer kit contains the catheter, a puncture needle, dilator and guide wire.



Cat.no.	Description
330 001	Bare Fiber HCS 600 mic
Box: 5 pcs.	
331 704	Introducer Kit 14 G - 70 cm
331 004	Introducer Kit 14 G - 100 cm
331 704L	Introducer Kit 14 G - 70 cm with Lock-Adapter
331 004L	Introducer Kit 14 G - 100 cm with Lock-Adapter
010 015	Lock-Adapter to fix the laser fibre at the catheter
Box: 25 pcs.	

Index

010 002	31	331 ...	10	503 001	28	503 211	28
011 ...	31	331 004	37	503 002	28	503 401	28
022 ...	20	331 704	37	503 003	28	503 501	28
037 ...	26	332 ...	10/11	503 010	31	504 ...	31
038 ...	26	334 ...	10	503 011	28	505 ...	29
052 225	20	370 ...	26	503 012	28	506 ...	35
100 ...	22	372 ...	26	503 014	28	509 ...	34
103 ...	23	373 ...	26	503 015	29	611 010	16
110 ...	22	380 ...	26	503 016	31	621 ...	16
111 080	22	401 ...	16	503 019	30	630 001	17
120 ...	22	402 ...	16	503 020	30	630 002	17
250 ...	12	407 150	16	503 021	30	701 ...	17
252 ...	12	433 ...	16	503 022	30	702 ...	17
300 002	12	440 ...	12	503 025	30	712 ...	17
300 5..	14	451 ...	16	503 050	31	713 ...	18
300 6..	14	452 ...	16	503 061	30	714 ...	36
300 8..	14	461 060	16	503 111	28	716 ...	36
302 ...	6	470 ...	14	503 119	30	717 ...	36
305 ...	6	471 ...	14	503 180	31	718 ...	36
307 ...	7	472 ...	14	503 201	28		
323 ...	10/11	473 ...	14	503 202	28		
330 ...	37	480 ...	15	503 203	28		

Information

All products are delivered **sterile**, 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 13485:2010 and Annex II / V according to guideline 93/42/EEC. **intra** products bear the CE mark of the European Commission.



intra special catheters GmbH

Oststr. 2
D-66780 Rehlingen-Siersburg
Germany

Tel. +49 - 6835 - 9226 - 0
Fax. +49 - 6835 - 9226 - 22

E-Mail: info@intra-online.de
Internet: www.intra-online.de