

Product Range 4008

DEHP-free

LifeLine^{Beta}

- Phtalate free
- Sterilisation by accelerated electrons (e-beam)
- Less material alterations in comparison to gamma-irradiation
- No radioactive source of radiation

Adult Bloodlines

Beta sterilisation – DEHP free

Type	To be used with	Filling volume	Units per box	Art.-No.
AV-Sets				
AV-Set B-R	2008/4008	161 ml	24	F00001124
AV-Set SRB-R	2008/4008	161 ml	24	F00000257
AV-Set SRB BVM-R	4008	172 ml	24	F00000258
SN-Sets				
SN-Set B-R	2008/4008	197 ml	20	F00001125
SN-Set SRB L-R	2008/4008	211 ml	20	F00000259
SN-Set SRB L BVM-R	4008	225 ml	20	F00001132

Paediatric Bloodlines

Beta sterilisation – DEHP free

Type	To be used with	Inner diameter pump segment	Filling volume	Units per box	Art.-No.
AV-Sets					
AV-Set-FMC Paed R	2008/4008	6.4 mm	117 ml	24	F00001064
AV-Set-FMC BVM/BTM Paed R	4008	6.4 mm	126 ml	24	F00001065
AV-Set-FMC Paed/Baby R	2008/4008	6.4 mm	56 ml	24	F00001063
SN-Sets					
AV-SN-Set-FMC Paed R	2008/4008	6.4 mm	155 ml	24	F00001067
AV-SN-Set-FMC Paed/Baby R	2008/4008	6.4 mm	88 ml	24	F00001066

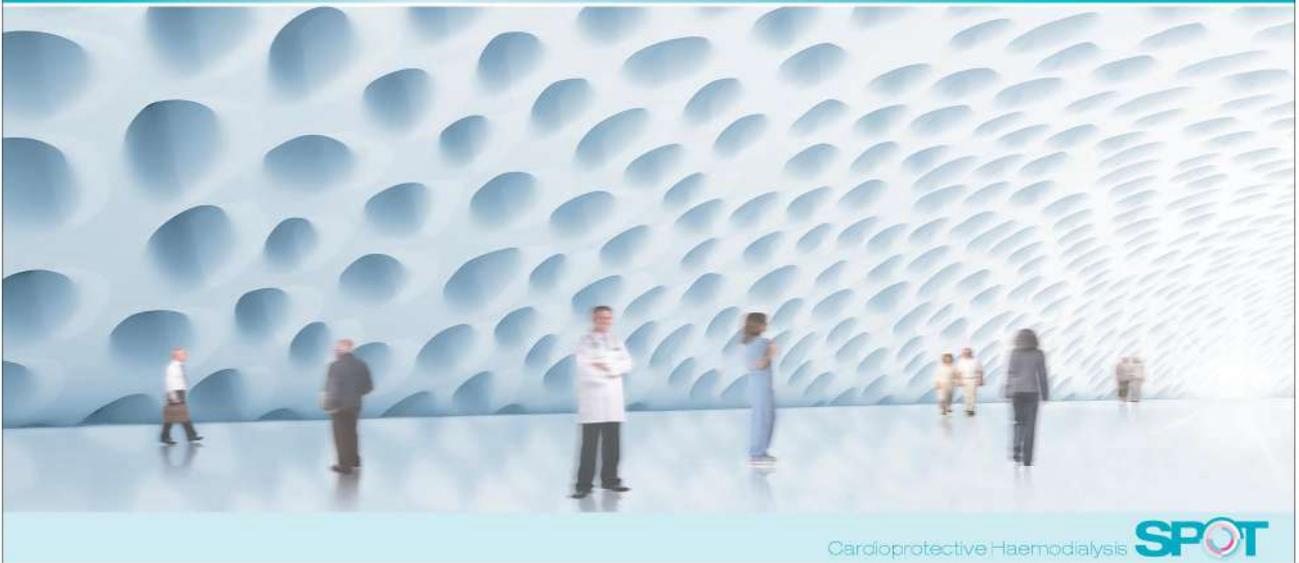
All paediatric bloodlines 4008 are equipped with spike, waste bag and recirculation connector.

- S: Spike
- R: Recirculation connector
- B: Waste bag
- L: Long tubes to SN expansion chamber (needed for SN-treatment with 4008 S)
- BVM: Blood Volume Monitor
- R: Beta Sterilisation (Radiation)

Inner diameter of pump segment: 8 mm
Diameter of venous bubble catcher: 22 mm



FX-class® Dialysers



SPOT

Cardioprotective Haemodialysis

Services

Over 30 years experience in dialysis at your service.

Products

State-of-the-art technologies enable advanced cardioprotective therapies.

Outcomes

Achieving better outcomes with cardioprotective therapies.

Therapies

Cardioprotective therapies designed by the world market leader in haemodialysis.

FX CorDiax Dialysers and Filters

Helixone[®]plus

- Enhanced removal of middle molecules
- Unique INLINE steam sterilisation
- Excellent endotoxin retention

Products	Clearance (Q _b = 300 mL/min)						Clearance (Q _b = 400 mL/min)						Sieving coefficient		UF-coeff. (mL/h x mmHg)	Surface (m ²)	Art.-No.
	Cyt c 12,230 Da	Inulin 5,200 Da	Vit B ₁₂ 1,355 Da	Phosp. 132 Da	Crea. 113 Da	Urea 60 Da	Cyt c 12,230 Da	Inulin 5,200 Da	Vit B ₁₂ 1,355 Da	Phosp. 132 Da	Crea. 113 Da	Urea 60 Da	Myo. 17,053 Da	β ₂ -m 11,731 Da			
FX CorDiax High-Flux Dialysers - INLINE steam sterilised																	
FX CorDiax 40	48*	56*	96*	142*	155*	175*	-	-	-	-	-	-	0.5	0.9	21	0.6	F00001588
FX CorDiax 50	76	88	144	215	229	255	-	-	-	-	-	-	0.5	0.9	33	1.0	F00001589
FX CorDiax 60	96	116	175	237	252	271	100	122	191	270	290	319	0.5	0.9	47	1.4	F00001590
FX CorDiax 80	111	127	190	248	261	280	117	135	209	285	303	336	0.5	0.9	64	1.8	F00001591
FX CorDiax 100	125	144	207	258	272	283	133	154	229	299	321	341	0.5	0.9	74	2.2	F00001592
FX CorDiax 120	136	149	213	262	274	284	145	160	237	305	325	343	0.5	0.9	87	2.5	F00002384

* Clearance (Q_b = 200 mL/min)

In vitro performance: Q_b = 500 mL/min, Q_f = 0 mL/min, T = 37 °C (EN 1283, ISO 8637). Ultrafiltration coefficients: human blood, Hct 32%, protein content 6%.

Products	Clearance (Q _b = 300 mL/min, Q _f = 75 mL/min)						Clearance (Q _b = 400 mL/min, Q _f = 100 mL/min)						Sieving coefficient		UF-coeff. (mL/h x mmHg)	Surface (m ²)	Art.-No.
	Cyt c 12,230 Da	Inulin 5,200 Da	Vit B ₁₂ 1,355 Da	Phosp. 132 Da	Crea. 113 Da	Urea 60 Da	Cyt c 12,230 Da	Inulin 5,200 Da	Vit B ₁₂ 1,355 Da	Phosp. 132 Da	Crea. 113 Da	Urea 60 Da	Myo. 17,053 Da	β ₂ -m 11,731 Da			
FX CorDiax Haemodiafilters - INLINE steam sterilised																	
FX CorDiax 600	131	144	204	257	271	285	149	166	235	307	327	354	0.5	0.9	46	1.6	F00001593
FX CorDiax 800	141	156	217	267	277	291	160	178	251	321	339	365	0.5	0.9	62	2.0	F00001594
FX CorDiax 1000	151	166	225	271	280	292	172	190	262	328	343	367	0.5	0.9	76	2.3	F00001595

In vitro performance: Q_b = 500 mL/min, T = 37 °C (EN 1283, ISO 8637). Ultrafiltration coefficients: human blood, Hct 32%, protein content 6%.

FX classix and FX Dialysers

Helixone[®]

- Unique INLINE steam sterilisation
- Excellent endotoxin retention

Products	Clearance (Q _b = 300 mL/min)						Clearance (Q _b = 400 mL/min)						Sieving coefficient		UF-coeff. (mL/h x mmHg)	Surface (m ²)	Art.-No.
	Inulin 5,200 Da	Vit B ₁₂ 1,355 Da	Phosp. 132 Da	Crea. 113 Da	Urea 60 Da	Inulin 5,200 Da	Vit B ₁₂ 1,355 Da	Phosp. 132 Da	Crea. 113 Da	Urea 60 Da	Myo. 17,053 Da	β ₂ -m 11,731 Da					
FX classix High-Flux Dialysers - INLINE steam sterilised																	
FX 50 classix	72	137	204	224	253	-	-	-	-	-	0.1	0.7	27	1.0	F00002385		
FX 60 classix	95	162	225	243	266	99	175	252	277	312	0.1	0.7	38	1.4	F00002386		
FX 80 classix	113	185	244	259	279	119	202	279	300	334	0.1	0.7	53	1.8	F00002387		
FX 100 classix	122	201	253	264	280	129	222	291	309	336	0.1	0.7	68	2.2	F00002388		
Products	Clearance (Q _b = 200 mL/min)					Clearance (Q _b = 300 mL/min)					Recomm blood flow range (mL/min)	UF-coeff. (mL/h x mmHg)	Surface (m ²)	Art.-No.			
	Inulin 5,200 Da	Vit B ₁₂ 1,355 Da	Phosp. 132 Da	Crea. 113 Da	Urea 60 Da	Inulin 5,200 Da	Vit B ₁₂ 1,355 Da	Phosp. 132 Da	Crea. 113 Da	Urea 60 Da							
FX Low-Flux Dialysers - INLINE steam sterilised																	
FX 5	-	88	141	165	180	-	94	164	200	228	100-300	8	1.0	5004831			
FX 8	-	107	160	178	191	-	120	194	225	254	150-400	12	1.4	5004731			
FX 10	-	121	170	181	193	-	138	210	231	261	200-500	14	1.8	5004741			
FX Paediatric High-Flux Dialysers - INLINE steam sterilised																	
FX paed	20*	34*	57*	64*	76*	-	-	-	-	-	30-100	7	0.2	5008221			

* Clearance (Q_b = 100 mL/min, Q_b = 300 mL/min, Q_f = 0 mL/min)

In vitro performance: Q_b = 500 mL/min, Q_f = 0 mL/min, T = 37 °C (EN 1283, ISO 8637). Ultrafiltration coefficients: human blood, Hct 32%, protein content 6%.



Fresenius Medical Care

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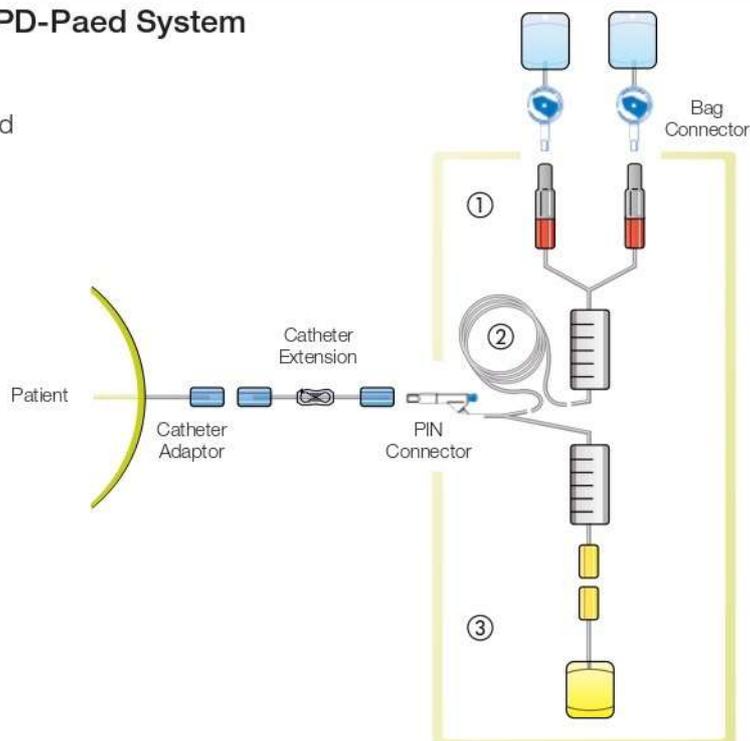
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4 PD-Paed System

Schematic overview of the PD-Paed System

The PD-Paed System includes:

- ① inflow system with pre-connected adaptors for *stay•safe*[®] bags
- ② warming line
- ③ drainage system with drainage bag

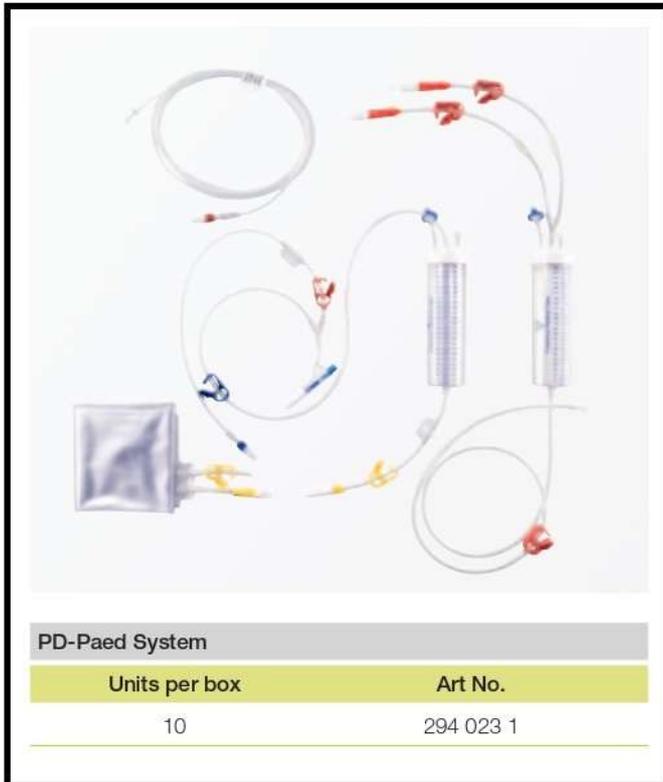


List of recommended material

for a PD-Paed System treatment using *stay•safe*[®] PD fluids. Please choose between option 1a) and 1b)

Recommended material for a treatment with the PD-Paed System

	Recommended material	Quantity needed	Units per box	Art. No.
1. Setup	a) without catheter extension			
	Fresenius Medical Care PD catheter for paediatrics	1	1	as per product list
	<i>stay•safe</i> [®] Catheter Adaptor	1	5	284 321 1
	Scissor Clamp	2	5	284 524 1
or	b) with catheter extension			
	Fresenius Medical Care PD catheter for paediatrics	1	1	various
	<i>stay•safe</i> [®] Catheter Extension	1	5	various
	Catheter Adaptor Luer-Lock with Closure Cap (only required if no Fresenius Medical Care catheter is used)	1	5	284 267 1
and	<i>stay•safe</i> [®] Organizer	1	1	284 256 1N
	<i>stay•safe</i> [®] Holder for Organizer	1	1	284 257 1N
	Clip for <i>stay•safe</i> [®] Organizer	1	1	M20 048 1
	Burette holder for PD-Paed System	2	1	F00 000 286
	Infusion pole	1	1	284 508 1
2. Disposables	PD-Paed System	single use	10	294 023 1
	<i>stay•safe</i> [®] Disinfection Cap	1 per disconnection	40	284 509 1
	<i>stay•safe</i> [®] or Safe•Lock [®] , PD fluid	according to needs	4	various
	Freka [®] -SEPT 80, hand disinfectant	1	10	F00000930
	Liquid antimicrobial soap	1	n. a.	n. a.
3. Accessories (optional)	<i>stay•safe</i> [®] Closure Cap (similar to <i>stay•safe</i> [®] Disinfection Cap but without iodine)	1 per disconnection	40	284 601 1
	PIN Reload	1 per reconnection	10	501 700 1



PD-Paed System

Units per box

10

Art No.

294 023 1

Kodas pagal pasiūlymą. Gamintojas kodus keičia.

Please note:

By quarter 3/2010 the new PD-Paed Plus will be launched and will gradually substitute the current PD-Paed System. Until the end of 2011 both systems will be available in parallel.

While placing an order for the new PD-Paed Plus (art.no. F00000839) please consider that the drainage bag has to be ordered additionally (PD-Paed Plus Drainage Bag 10 l, art. no. F00000840).

For more information please contact Tanja Seiler at Tanja.Seiler@fmc-ag.com.

The PD-Paed System is a special option for the treatment of chronic and acute renal failure in newborns and infants. It is meant for fill volumes of up to 200 ml. It is intended for clinical use only.

Please note that in premature babies a catheter extension is not usually used in order to minimize the recirculation volume of the PD fluid, i.e. in this case, the PD-Paed System can be connected directly to the *stay•safe*[®] Catheter Adaptor (see accessories).

- exact fluid balancing thanks to a precise inflow and outflow burette graduated in 5 ml steps
- minimal re-circulation volume to ensure an efficient treatment
- safe and easy disconnection thanks to the unique PIN connector
- direct connection to pure bicarbonate buffered PD fluid *bicaVera*[®] (and also to the complete Fresenius Medical Care *stay•safe*[®] and *Safe•Lock*[®] PD fluid range)
- increased convenience thanks to the possibility to connect two PD fluid bags for frequent fluid exchanges
- Phtalate-free and latex-free

PD Fluids

The PD-Paed System is equipped with two pre-connected adaptors which allow a direct connection to any CAPD *stay•safe*[®] system PD fluid (see chapter 3). For use together with standard *Safe•Lock*[®] PD fluids (see chapter 6.2) the pre-connected adaptors of the PD-Paed System are simply discarded.

4 PD-Paed System

Accessories



stay•safe® Catheter Adaptor

Units per box	Art. No.
5	284 321 1

The *stay•safe*® Catheter Adaptor is for connection to the external abdominal part of a peritoneal catheter (see page 20).

The peritoneal catheters generally include a Luer-Lock Catheter Adaptor which for this application has to be substituted by the *stay•safe*® Catheter Adaptor to make a direct connection to the PD-Paed System when no catheter extension is used.



Accessories

Item	Units per box	Art. No.
Burette Holder for PD-Paed System	1	F00 000 286

To fix the burettes to the infusion pole.



Safe•Lock® PD-NIGHT® Drainage Set

Units per box	Art. No.
20	501 957 1

Set of two drainage bags which can be connected to the yellow connector of a *sleep•safe* Set or a PD-NIGHT® Vario system. Total capacity of 20 litres. For single use only.



Drainage Extension Line – 12 m Biofine®

Units per box	Art. No.
12	F00001511

The drainage extension line can extend the fixed drainage line. The yellow Safe•Lock® connector fits onto the drainage connector of the APD set. It can be used for *sleep•safe* and PD-NIGHT®. Steam sterilised and made of Biofine®. For single use only.



Drainage Extension Line – 12 m PVC

Units per box	Art. No.
25	501 461 1

This line can extend the fixed drainage line. The yellow Safe•Lock® connector fits onto the drainage connector of various *sleep•safe* Sets. It can be used for *sleep•safe* and PD-NIGHT®. Steam sterilised. For single use only.



APD Sample Bag

Units per box	Art. No.
25	505 508 1

2 litre bag for sample collection during APD treatment; two clamps to coordinate the collection; injection port for microbiological diagnostics. For single use only.



stay•safe® Disinfection Cap

Units per box	Art. No.
40	284 509 1

Cap with integrated disinfectant reservoir (povidone iodine) to protect the PIN additionally from the outside. For single use only, needed with every exchange.



stay•safe® Closure Cap

Units per box	Art. No.
40	284 601 1

Similar to stay•safe® Disinfection Cap, but without disinfectant. Recommended only when iodine contact should be avoided, i.e. when extremely small volumes are used or in case of allergies.



PIN Reload

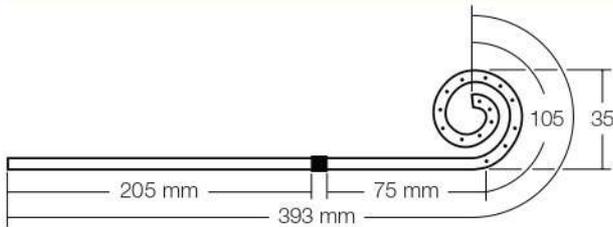
Units per box	Art. No.
10	501 700 1

The PIN Reload disposable allows disconnection and reconnection of the patient to the PD-Paed System whilst maintaining the safety features of the PIN technology. For single use only.

8 Peritoneal Dialysis Catheters

Paediatric Catheters

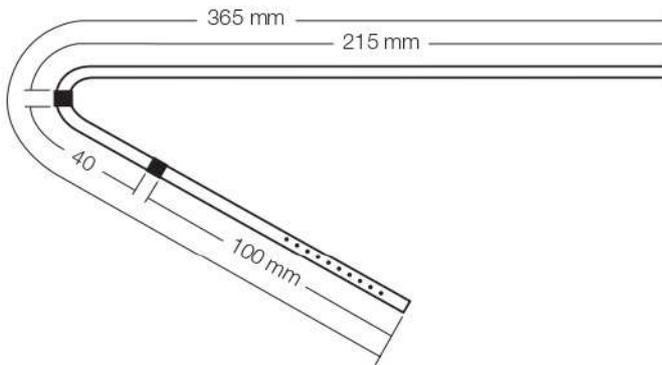
Item	Cuffs	Units per box	Art. No.
Paediatric Curl Tenckhoff-Catheter 288/105 *	One fixed cuff	1	502 004 1



\varnothing_o 4.9 mm \pm 0.1

\varnothing_i 2.6 mm \pm 0.1

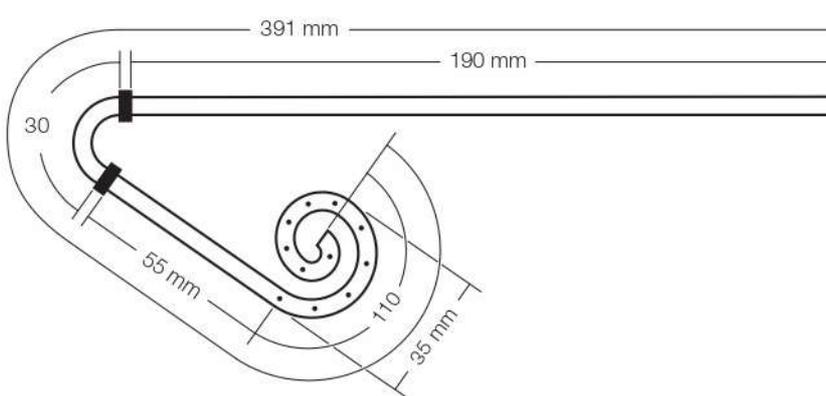
Paediatric Tenckhoff-Catheter 365 *	Two fixed cuffs	1	502 001 1
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\varnothing_o 4.9 mm \pm 0.1

\varnothing_i 2.6 mm \pm 0.1

Paediatric Swan-Neck Curl Tenckhoff-Catheter 283/115 *	Two fixed cuffs	1	502 002 1
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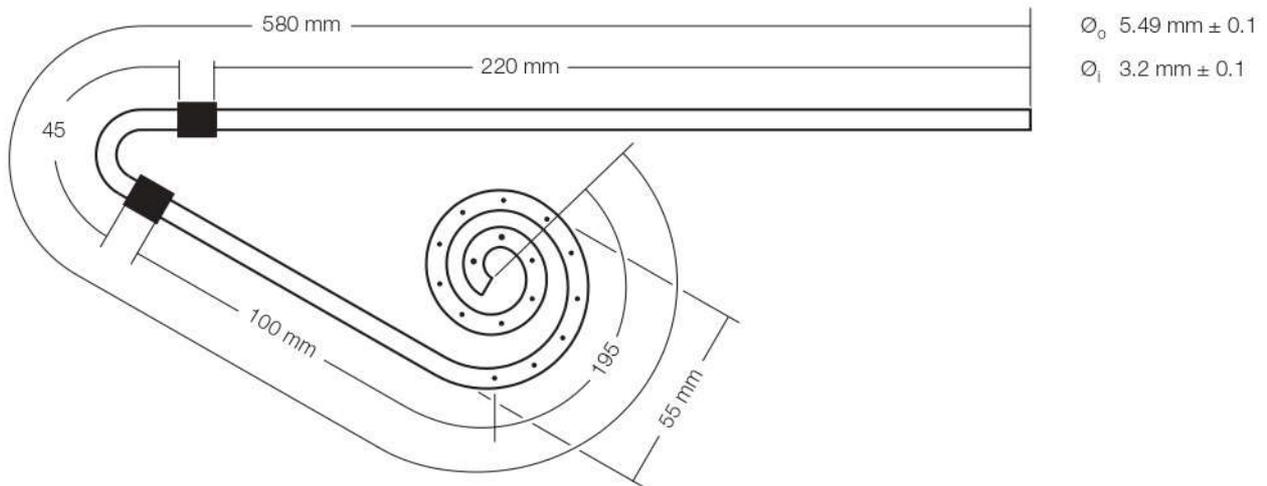
\varnothing_o 4.9 mm \pm 0.1

\varnothing_i 2.6 mm \pm 0.1

* incl. Catheter Adaptor Luer-Lock (Art. No. 284 267 1) and Screw Device Luer-Lock

Adult Catheters

Item	Cuffs	Units per box	Art. No.
Fast Flow Swan-Neck-Catheter 385/195 *	Two fixed cuffs	1	502 008 1



Paediatric Catheters

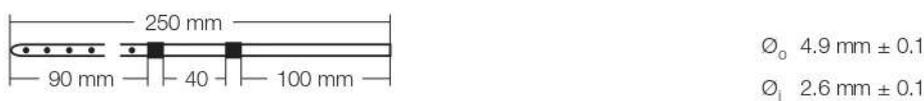
Item	Cuffs	Units per box	Art. No.
Tenckhoff-Catheter 180 *	Two loose cuffs	1	501 990 1



Tenckhoff-Catheter 215 *	One fixed cuff	1	501 961 1
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Tenckhoff-Catheter 210 *	Two fixed cuffs	1	501 963 1
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* incl. Catheter Adaptor Luer-Lock (Art. No. 284 267 1) and Screw Device Luer-Lock

6.1 *sleep•safe*

Accessories



sleep•safe Sets

Item	No. of Patient Connectors	Units per box	Art. No.
<i>sleep•safe</i> Set	1	16	501 692 1
<i>sleep•safe</i> Set Plus	2	16	501 693 1
<i>sleep•safe</i> Set Paed	2	16	501 739 1

Incorporating a patient line and a drainage line; Patient connector compatible with *stay•safe*[®] Catheter Extension Luer-Lock; Drainage line compatible with *sleep•safe* Drain Line Extension and *sleep•safe* drainage Set. Made of Biofine[®]. Steam sterilized. For single use only.



The *sleep•safe* Set Paed has the same function as the *sleep•safe* Set Plus and is especially adapted for use on children because of the low recirculation volume and integrated injection port. For single use only.



PIN Reload

Units per box	Art. No.
10	501 700 1

The PIN Reload disposable allows the patient to disconnect and reconnect to an APD tubing system while keeping the safety of the PIN technology. For single use only.



stay•safe[®] Disinfection Cap

Units per box	Art. No.
40	284 509 1

Cap with integrated disinfectant reservoir (povidone iodine) to protect the PIN additionally from the outside. For single use only, needed with every exchange.