

# Peripheral Interventional Vascular Diagnostics & Therapy

Catalogue



Vascular Systems



**SeQuent® Please OTW**



**VascuFlex® Peripheral Stents**



**Angiodyn® Radiology Kits**



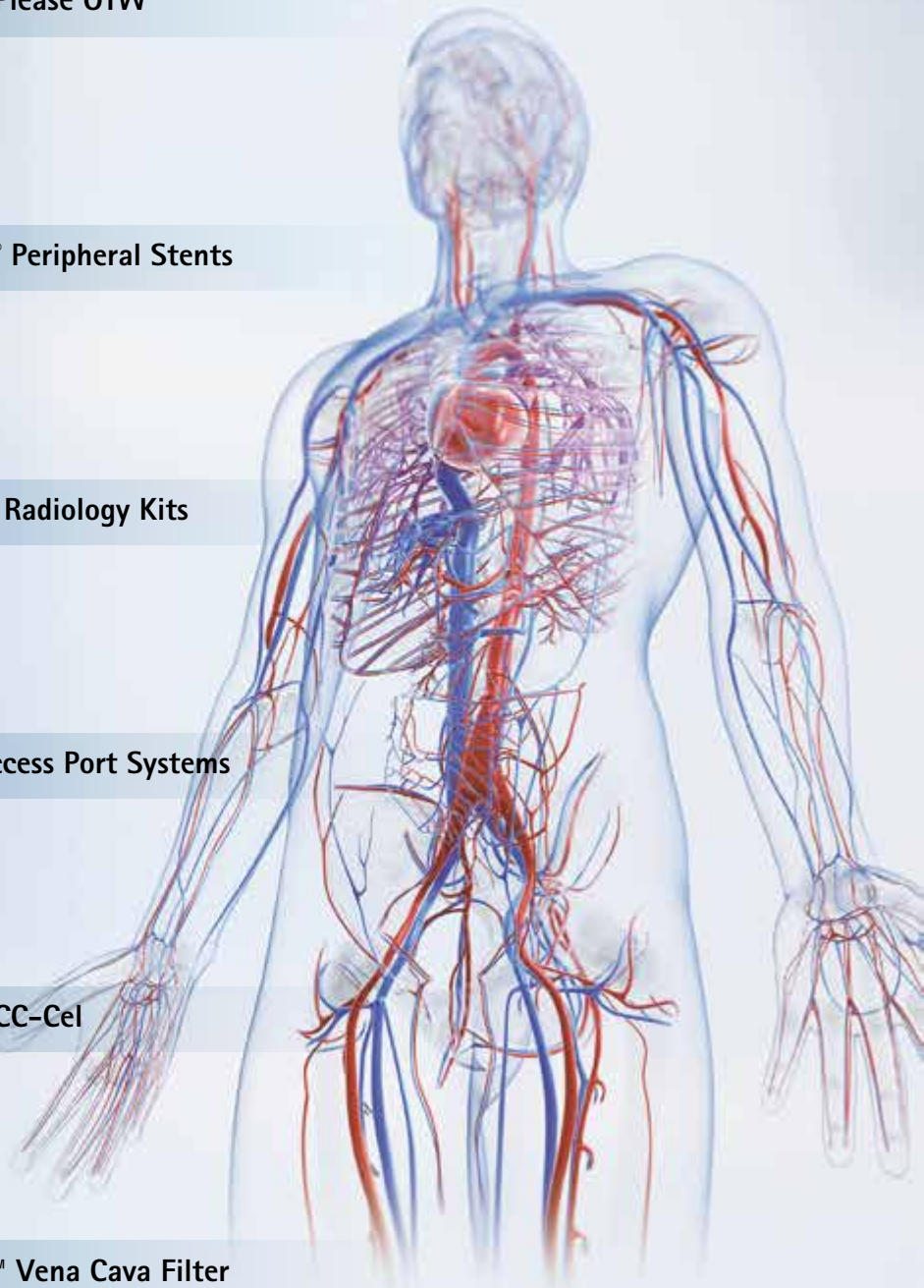
**Celsite® Access Port Systems**



**Celsite® PICC-Cel**



**VenaTech™ Vena Cava Filter**



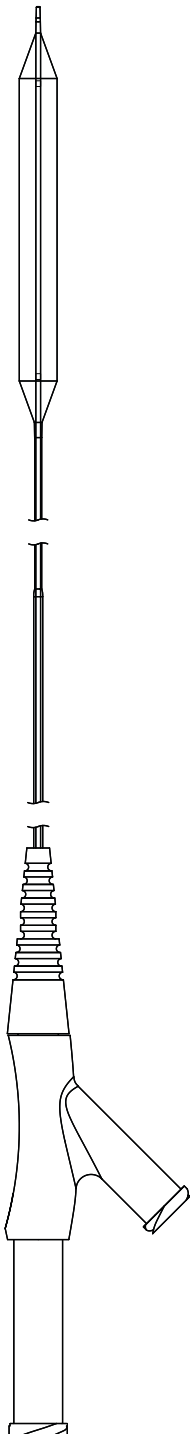
# B.Braun Vascular Systems

## Peripheral Interventional Vascular Diagnostics & Therapy

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# SeQuent® Please OTW

## Peripheral Drug Coating Balloon Technology



The interventional approach to treat peripheral artery occlusive disease (PAOD) as a treatment of choice is gaining continuous acceptance. SeQuent® Please OTW offers a targeted, polymer-free and homogenous drug delivery which was enhanced for larger balloons sizes.

This innovative product is the result of our sustained research and development for significant improvements in peripheral and coronary balloon angioplasty.

- Effectively inhibiting neointimal proliferation
- Novel paclitaxel B. Braun Matrix coating
- Excellent handling
- Several randomised trials (Thunder, Fempac, Pacifier) have demonstrated safety and efficacy of Paclitaxel coated balloons in peripheral arteries.<sup>1,2,3,4</sup>

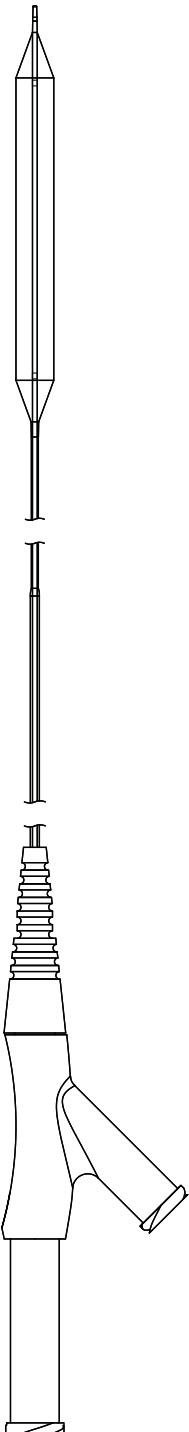
### Product features and benefits

- Single shot, short-term Paclitaxel delivery for long-term vessel therapy
- Targeted drug delivery into the vascular wall
- Homogeneous and complete polymer-free drug distribution
- No need for stent-in-stent procedures
- Various treatment options when re-interventions are necessary

		Balloon diameter	Balloon length	Order number	Sales unit-pcs.
<b>Shaft length</b>	75 cm	4.0 mm	40 mm	35040040	1
		5.0 mm	40 mm	35150040	1
<b>Shaft lumen</b>	0.035"	6.0 mm	40 mm	35160040	1
		7.0 mm	40 mm	35170040	1
<b>Sheath compatibility</b>	5 F Balloon diam. 4.0 mm	8.0 mm	40 mm	35180040	1
		4.0 mm	60 mm	35140060	1
		5.0 mm	60 mm	35150060	1
		6.0 mm	60 mm	35160060	1
		7.0 mm	60 mm	35170060	1
	6 F Balloon diam. 5.0 - 8.0 mm	8.0 mm	60 mm	35180060	1
		4.0 mm	80 mm	35140080	1
		5.0 mm	80 mm	35150080	1
		6.0 mm	80 mm	35160080	1
		4.0 mm	120 mm	35140120	1
	5.0 mm	120 mm	35150120	1	
	6.0 mm	120 mm	35160120	1	
	4.0 mm	150 mm	35140150	1	
	5.0 mm	150 mm	35150150	1	
	6.0 mm	150 mm	35160150	1	

# SeQuent<sup>®</sup> Please OTW

## Peripheral Drug Coating Balloon Technology



		Balloon diameter	Balloon length	Order number	Sales unit-pcs.
<b>Shaft length</b>	130 cm	4.0 mm	40 mm	35340040	1
		5.0 mm	40 mm	35350040	1
<b>Shaft lumen</b>	0.035"	6.0 mm	40 mm	35360040	1
		4.0 mm	60 mm	35340060	1
<b>Sheath compatibility</b>	5 F Balloon diam. 4.0 mm	5.0 mm	60 mm	35350060	1
		6.0 mm	60 mm	35360060	1
		4.0 mm	80 mm	35340080	1
		5.0 mm	80 mm	35350080	1
	6 F Balloon diam. 5.0 - 6.0 mm	6.0 mm	80 mm	35360080	1
		4.0 mm	120 mm	35340120	1
		5.0 mm	120 mm	35350120	1
		6.0 mm	120 mm	35360120	1
		4.0 mm	150 mm	35340150	1
		5.0 mm	150 mm	35350150	1

		Balloon diameter	Balloon length	Order number	Sales unit-pcs.
<b>Shaft length</b>	130 cm	1.5 mm	40 mm	14215040	1
		2.0 mm	40 mm	14220040	1
<b>Shaft lumen</b>	0.014"	2.5 mm	40 mm	14225040	1
		3.0 mm	40 mm	14230040	1
<b>Sheath compatibility</b>	4 F Balloon diam. 1.5 - 3.0 mm	1.5 mm	80 mm	14215080	1
		2.0 mm	80 mm	14220080	1
		2.5 mm	80 mm	14225080	1
		3.0 mm	80 mm	14230080	1
	1.5 mm	120 mm	14215120	1	
		2.0 mm	120 mm	14220120	1
		2.5 mm	120 mm	14225120	1
		3.0 mm	120 mm	14230120	1
		2.0 mm	150 mm	14220150	1
		2.5 mm	150 mm	14225150	1
		3.0 mm	150 mm	14230150	1

<sup>1</sup> Tepe G et al. Local delivery of paclitaxel to inhibit restenosis during angioplasty of the leg. N Engl J Med. 2008 Feb 14;358(7):689-99.

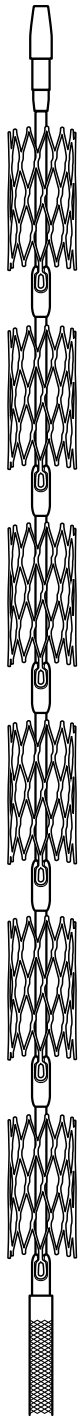
<sup>2</sup> Werk M et al. Inhibition of restenosis in femoropopliteal arteries: paclitaxel-coated versus uncoated balloon: femoral paclitaxel randomized pilot trial. Circulation. 2008 Sep 23;118(13):1358-65.

<sup>3</sup> Tepe G et al. Angioplasty of femoral-popliteal arteries with drug-coated balloons: 5-year follow-up of the THUNDER trial. JACC Cardiovasc Interv. 2015 Jan;8(1 Pt A):102-8.

<sup>4</sup> Werk M et al. Paclitaxel-coated balloons reduce restenosis after femoro-popliteal angioplasty: evidence from the randomized PACIFIER trial. Circ Cardiovasc Interv. 2012 Dec;5(6):831-40.

# VascuFlex® Multi-LOC

Peripheral Self-Expanding Nitinol Stentsystem\*



**VascuFlex® Multi-LOC is a Multi-Stentsystem with six stents in a row.**

- 6 F Delivery system
- 0.035" guide wire compatibility
- 5 – 8 mm Stent diameter
- 6 x 13 mm Stent length
- 80 cm, 130 cm Shaft length
- Closed cell design
- Laser-welded tantalum markers

**VascuFlex® Multi-LOC is an innovation in order to reduce stent related complications:**

- Less acute and chronicle trauma
- less negative influence (disturbance) on arterial biomechanical properties
- Easy deployment, anatomically controlled: target/spot stenting
- application of more than 1 stent without changing the delivery system

**VascuFlex® 2-/3-LOC**

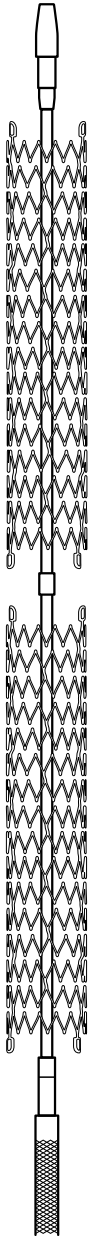
- 6 F Delivery System
- 0.035" guide wire compatibility
- 5 – 8 mm Stent diameter
- 30 - 40 mm Stent length each
- 80 cm, 130 cm Shaft length
- Open cell design
- Laser-welded tantalum markers

VascuFlex® Multi-LOC

Delivery system	Stent diameter	Stent length	Shaft length	Order number
6 F	5 mm	100 mm	130 cm	5506650
6 F	6 mm	100 mm	130 cm	5506651
6 F	7 mm	100 mm	130 cm	5506652
6 F	8 mm	100 mm	130 cm	5506653
6 F	5 mm	100 mm	80 cm	5506654
6 F	6 mm	100 mm	80 cm	5506655
6 F	7 mm	100 mm	80 cm	5506656
6 F	8 mm	100 mm	80 cm	5506657

# VascuFlex® Multi-LOC

Peripheral Self-Expanding Nitinol Stentsystem\*



## VascuFlex® 2-LOC

Delivery system	Stent diameter	Stent length	Shaft length	Order number
6 F	5 mm	30 mm	130 cm	5506600
6 F	5 mm	40 mm	130 cm	5506601
6 F	6 mm	30 mm	130 cm	5506602
6 F	6 mm	40 mm	130 cm	5506603
6 F	7 mm	30 mm	130 cm	5506604
6 F	7 mm	40 mm	130 cm	5506605
6 F	8 mm	30 mm	130 cm	5506606
6 F	8 mm	40 mm	130 cm	5506607
6 F	5 mm	30 mm	80 cm	5506608
6 F	5 mm	40 mm	80 cm	5506609
6 F	6 mm	30 mm	80 cm	5506610
6 F	6 mm	40 mm	80 cm	5506611
6 F	7 mm	30 mm	80 cm	5506612
6 F	7 mm	40 mm	80 cm	5506613
6 F	8 mm	30 mm	80 cm	5506614
6 F	8 mm	40 mm	80 cm	5506615

## VascuFlex® 3-LOC

Delivery system	Stent diameter	Stent length	Shaft length	Order number
6 F	5 mm	30 mm	130 cm	5506620
6 F	5 mm	40 mm	130 cm	5506621
6 F	6 mm	30 mm	130 cm	5506622
6 F	6 mm	40 mm	130 cm	5506623
6 F	7 mm	30 mm	130 cm	5506624
6 F	7 mm	40 mm	130 cm	5506625
6 F	8 mm	30 mm	130 cm	5506626
6 F	8 mm	40 mm	130 cm	5506627
6 F	5 mm	30 mm	130 cm	5506628
6 F	5 mm	40 mm	130 cm	5506629
6 F	6 mm	30 mm	130 cm	5506630
6 F	6 mm	40 mm	130 cm	5506631
6 F	7 mm	30 mm	130 cm	5506632
6 F	7 mm	40 mm	130 cm	5506633
6 F	8 mm	30 mm	130 cm	5506634
6 F	8 mm	40 mm	130 cm	5506635

\* Please contact us regarding availability in your country.

# VascuFlex® Peripheral Stentsystem

Peripheral Self-Expanding Nitinol Stent



## Wide portfolio

- 5 F & 6 F Delivery systems
- 5 - 10 mm Stent diameter
- 20 - 200 mm Stent length
- 80 cm, 120/130 cm Shaft length
- 180 cm Shaft length for transradial/transbrachial approach
- Special Low Radial Force (LRF) Stent

## Flexible Stentarchitecture

- Open cell design
- Optimal vessel adaption
- Double-polished
- Minimal foreshortening
- Excellent stent visibility with laser-welded tantalum markers

## Proven Delivery System

- High flexibility
- Radiopaque platinum markers
- Superb kinkresistance
- Excellent pushability
- Different working lengths: 80 cm, 120/130 cm, 180 cm
- 5 F System with 0.018" guide wire compatibility
- 6 F System with 0.035" guide wire compatibility

		5 mm	6 mm	7 mm	8 mm	9 mm	10 mm
<b>VascuFlex 5 F</b> <b>80 cm Shaft length</b>	20 mm	5505060	5505070	5505080	5505090	5505100	5505110
	40 mm	5505061	5505071	5505081	5505091	5505101	5505111
	60 mm	5505062	5505072	5505082	5505092	5505102	5505112
	80 mm	5505063	5505073	5505083	5505093	5505103	5505113
	100 mm	5505064	5505074	5505084	5505094	5505104	5505114
	120 mm	5505065*	5505075*	5505085*	5505095*	5505105*	5505115*
	150 mm	5505066*	5505076*	5505086*	5505096*	5505106*	5505116*
	180 mm	5505067*	5505077*	5505087*	5505097*	5505107*	5505117*
	200 mm	5505068*	5505078*	5505088*	5505098*	5505108*	5505118*
<b>VascuFlex 5 F</b> <b>120 cm Shaft length</b>	20 mm	5505000	5505010	5505020			
	40 mm	5505001	5505011	5505021	5505031	5505041	5505051
	60 mm	5505002	5505012	5505022	5505032	5505042	5505052
	80 mm	5505003	5505013	5505023	5505033	5505043	5505053
	100 mm	5505004	5505014	5505024	5505034	5505044	5505054
<b>VascuFlex® 5 F TR/TB</b> <b>180 cm Shaft length</b>	40 mm		5505121	5505124	5505127		
	60 mm		5505122	5505125	5505128		
	80 mm		5505123	5505126	5505129		



# VascuFlex® Peripheral Stentsystem

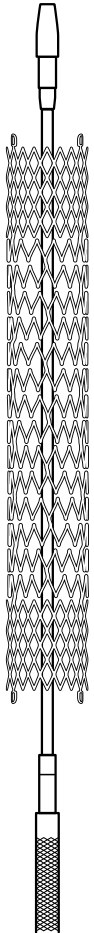
Peripheral Self-Expanding Nitinol Stent

		5 mm	6 mm	7 mm	8 mm	9 mm	10 mm
<b>VascuFlex 6 F</b> 80 cm Shaft length	20 mm	5506060	5506070	5506080			
	40 mm	5506061	5506071	5506081	5506091	5506101	5506111
	60 mm	5506062	5506072	5506082	5506092	5506102	5506112
	80 mm	5506063	5506073	5506083	5506093	5506103	5506113
	100 mm	5506064	5506074	5506084	5506094	5506104	5506114
	120 mm	5506065*	5506075*	5506085*	5506095*	5506105*	5506115*
	150 mm	5506066*	5506076*	5506086*	5506096*	5506106*	
	180 mm	5506067*	5506077*	5506087*	5506097*		
	200 mm	5506068*	5506078*	5506088*			
<b>VascuFlex 6 F</b> 130 cm Shaft length	20 mm	5506000	5506010	5506020			
	40 mm	5506001	5506011	5506021	5506031	5506041	5506051
	60 mm	5506002	5506012	5506022	5506032	5506042	5506052
	80 mm	5506003	5506013	5506023	5506033	5506043	5506053
	100 mm	5506004	5506014	5506024	5506034	5506044	5506054
		5 mm	6 mm	7 mm	8 mm	9 mm	10 mm
<b>VascuFlex 6 F LRF</b> 80 cm Shaft length	20 mm	5506260	5506270	5506280			
	40 mm	5506261	5506271	5506281	5506291	5506301	5506311
	60 mm	5506262	5506272	5506282	5506292	5506302	5506312
	80 mm	5506263	5506273	5506283	5506293	5506303	5506313
	100 mm	5506264	5506274	5506284	5506294	5506304	5506314
	120 mm	5506265*	5506275*	5506285*	5506295*	5506305*	5506315*
	150 mm	5506266*	5506276*	5506286*	5506296*	5506306*	
	180 mm	5506267*	5506277*	5506287*	5506297*		
	200 mm	5506268*	5506278*	5506288*			
<b>VascuFlex 6 F LRF</b> 130 cm Shaft length	20 mm	5506200	5506210	5506220			
	40 mm	5506201	5506211	5506221	5506231	5506241	5506251
	60 mm	5506202	5506212	5506222	5506232	5506242	5506252
	80 mm	5506203	5506213	5506223	5506233	5506243	5506253
	100 mm	5506204	5506214	5506224	5506234	5506244	5506254

\*available on request

# VascuFlex® Aortic

## Aortic Self-Expanding Nitinol Stent



### Flexible Stent Design

- Closed-Cell structure distal and proximal for optimal stent fixation and excellent radial force
- Open-Cell structure in the middle section for superb vessel wall adaption
- Excellent stent visibility with 10 laser-welded tantalum marker

### Indications

- Stenoses and dissections of the aorta
- Endoleak type 1a and 1b
- Obstructions of the vena cava
- Vena cava syndrome

	14 mm (12 F)	16 mm (12 F)	18 mm (12 F)	20 mm (12 F)	22 mm (12 F)
70 mm	5501001*	5501003	5501005	5501007	5501009
100 mm	5501002	5501004	5501006	5501008	5501010
130 mm					5501011*
150 mm					5501012*
	24 mm (14 F)	28 mm (14 F)	32 mm (14 F)	36 mm (16 F)	40 mm (16 F)
70 mm	5501013	5501017	5501021	5501025	5501029*
100 mm	5501014	5501018	5501022	5501026*	5501030*
130 mm	5501015*	5501019	5501023	5501027	5501031*
150 mm	5501016*	5501020*	5501024*	5501028*	5501032*

# Vena Cava Filter

For protection against pulmonary embolism

## Vena Cava Filter

### Indications:

- Contraindications to anticoagulants (severe coagulopathy, thrombocytopenia, hemorrhage, recent brain surgery, recent cranial trauma)
- Failure of the anticoagulants treatment (recurrent pulmonary embolism under treatment development of clot in spite of anti-coagulation)
- Severe complication of the anticoagulants treatment (intestinal hemorrhage, gastroduodenal ulcer)



### All filters:

- Made from Cobalt Chromium Alloy (non-ferromagnetic)
- MR conditional and x-ray visible
- Various access sites

### VenaTech LP:

- Introducer sheath O. D. 9 F (I. D. 7 F)
- Proven conical design
- Low profile wire design
- Patent stabilizing legs and hooks

### VenaTech Retrievable:

- Introducer sheath O. D. 9 F (I. D. 7 F)
- Three months implantation time
- Improved tilt resistance due to four level safety architecture
- Reduced penetration risk
- Safety cartridge to reduce the risk of sharp injury



### VenaTech Convertible:

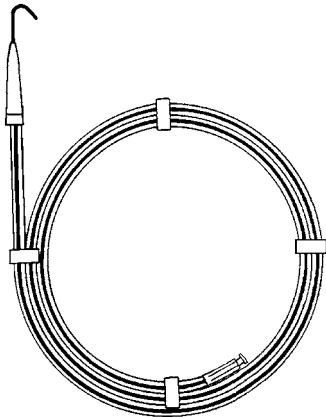
- Introducer sheath O. D. 13 F (I. D. 10 F)
- New filter concept against pulmonary embolism
- May be altered structurally to deactivate filtration



	Access site	Order number	Sales unit-pcs.
<b>Permanent filters</b>			
VenaTech® LP	jugular, femoral, subclavian	<b>4435125</b>	1
VenaTech® LP brachial Introducer System	brachial	<b>4439985</b>	1
<b>Temporary filters</b>			
VenaTech® Retrievable	jugular, femoral	<b>4435150</b>	1
VenaTech® Retrievable Introducer	brachial	<b>4435160</b>	1
VenaTech Retrievable Retrieval System	jugular	<b>4435170</b>	1
<b>Convertible filters</b>			
VenaTech® Convertible	femoral, jugular	<b>4435140</b>	1

# Angiodyn<sup>®</sup> Customized Service

## Customized Procedure Kits



For more than 20 years B. Braun has been committed to provide customers worldwide with their customized Angiodyn Procedure Kit solutions.

Angiodyn are sterile kits that contain an organized array of disposable components for your specific procedure in interventional cardiology, radiology or hemodynamic measurements.

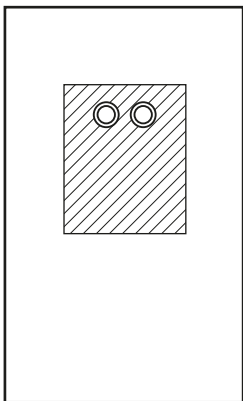
Angiodyn kits save procedural time since they facilitate patient preparation and post-interventional cleanup as compared to interventions that use individually packaged components. Therefore, the use of your cath lab is further improved by allowing more interventions per day.

Angiodyn kits are cost effective by simplifying your purchasing and accounting procedures and by consolidating components in one affordable kit.

Benefit from our impressive and wide range of high quality precision components.

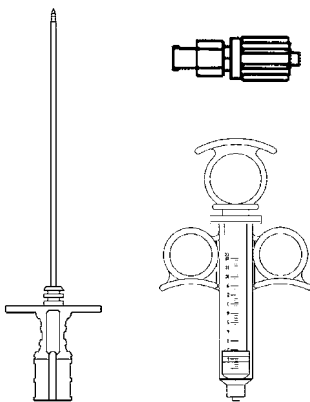
### Angiodyn stands for:

- Custom made kit solutions
- Precision components
- Quick and easy setup & cleanup
- Simple inventory control
- Convenient storage and delivery
- Increased output (= increased profitability)
- Consistent quality
- Standardized workflow
- Reduced training time for new staff
- Reduced waste volume
- More time with the patient



### Are you interested?

Please contact one of our product specialists for further details.



The components in this catalogue are intended for the assembly of customized B. Braun Angiodyn procedure kits.

# Angiodyn® Customized Service

## Customized Procedure Kits

	Standard kits	Order number
	<b>Example for Radiology Basic Kit</b>	5014897
	<p><b>Kit components:</b></p> <ul style="list-style-type: none"><li>- Patient cover drape 330 x 211 cm / 2 holes femoral</li><li>- Cover drape 150 x 180 cm</li><li>- 2 x Cover drapes 140 x 150 cm</li><li>- OP tape 10 x 50 cm</li><li>- Absorbent drape with adhesive tape 90x90 cm</li><li>- 50 x Gauze compresses 10 x 10 cm, 12-fold</li><li>- 2 x Angiodyn image intensifier cover 90 x 90 cm</li><li>- Omnifix syringe LS, 20 ml</li><li>- Omnifix syringe LL, 5 ml</li><li>- Adhesive tape yellow</li><li>- 3 x Omnifix syringes LL, 20 ml</li><li>- 3 x Omnifix syringes LL, 10 ml</li><li>- Needle collector box</li><li>- Sterican safety cannula 0,6 x 25 mm, 23 G, blue</li><li>- Safety scalpel fig.11</li><li>- Puncture needle 19G</li><li>- Guidewire J3 FC-FS 175-035</li><li>- High pressure 1-way stopcock, 1050 PSI, blue</li><li>- High pressure tubing 1200 PSI, 120 cm</li><li>- Bowl 1000 ml, blue</li><li>- Bowl 250 ml, transparent</li><li>- Universal clamp, model Kiel</li><li>- Cover drape 152x152, reinforced</li></ul> <p><b>Disinfection kit:</b></p> <ul style="list-style-type: none"><li>- SUSI sponge forceps, straight, 200 mm</li><li>- Bowl 500 ml, blue</li><li>- 5 x Swabs, plum size</li></ul>	

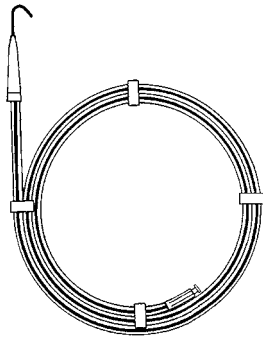
# Angiodyn® Customized Service

## Customized Procedure Kits

	Standard kits	Order number
	<b>Example for CT Basic Drainaige Kit</b>	5014110
	<p><b>Kit components:</b></p> <ul style="list-style-type: none"><li>- Cover drape 148 x 240 cm</li><li>- Cover drape 175 x 180 cm</li><li>- 2 x Patient Cover drape 75 x 100 cm</li><li>- Cover drape 150 x 180 cm</li><li>- Drainage Bag 2l</li><li>- Omnifix syringes LL, 20 ml</li><li>- 3 x Omnifix syringes LL, 10 ml</li><li>- 2 x Injekt syringes 10 ml, LS</li><li>- Safety scalpel fig.11</li><li>- Safety puncture needle 0.6 x 25 mm, 23G</li><li>- Discifix-C stop cock</li><li>- End Cap, red</li><li>- Intensifier cover 90 x 90 cm</li><li>- 2 x Askina Pad S 7.5 x 7.5 cm, 4-fold</li><li>- 25 x Gauze compresses 10 x 10 cm, 12-fold</li><li>- Premicron green 2 (5) 75 cm HS37ss</li><li>- SUSI Needle Holder 150 mm</li><li>- SUSI Surgigal Scissor 145 mm</li><li>- Bowl 250 ml, transparent</li><li>- Bowl 500 ml, blue</li><li>- Tray 27.0 x 18.5 x 6.0 cm</li><li>- Cover drape 152 x 152 mm, reinforced</li></ul> <p><b>Disinfection kit:</b></p> <ul style="list-style-type: none"><li>- SUSI sponge forceps, straight, 200 mm</li><li>- Bowl 500 ml, blue</li><li>- 5 x Swabs, plum size</li></ul>	

# Accessories - Angiodyn®

Guide wire, PTFE-coated



## Angiodyn guide wires

- For insertion, stabilization and positioning of angiographic catheters
- PTFE-coated stainless nickel-chromium steel
  - Flexible and smooth rounded wire tip
  - Sensitive steering and guiding qualities
  - Various tip configurations
  - Straightener (only for J-tip)
  - Standard: with dispenser and Luer lock-fitting for flushing the wire

Product description	Length (cm)	Ø inch/mm	Order number	Sales unit-pcs.
<b>J-tip, fixed core (FC), fingerstraightenable (FS)</b>				
J3 FC-FS 150-035	150	0.035/0.89	<b>5050200</b>	10
J3 FC-FS 150-038	150	0.038/0.97	<b>5050219</b>	10
J3 FC-FS 260-035	260	0.035/0.89	<b>5050359</b>	5
J3 FC-FS 175-035	175	0.035/0.89	<b>5059755</b>	50
<b>Straight tip (S), fixed core (FC)</b>				
SFC 150-018	150	0.018/0.46	<b>5050456</b>	10
SFC 150-035	150	0.035/0.89	<b>5050243</b>	10
<b>J-tip, movable core (M), fingerstraightenable (FS)</b>				
J3 MC-FS 200-035	200	0.035/0.89	<b>5050308</b>	10
J3 MC-FS 150-035	150	0.035/0.89	<b>5050235</b>	10
J3 MC-FS 150-032	150	0.032/0.81	<b>5056470</b>	10
<b>J-tip and straight tip (S) (flexible on both ends) fixed core (FC), fingerstraightenable (FS)</b>				
J3 SFC-FS 150-035	150	0.035/0.89	<b>5050227</b>	10
J3 SFC-FS 150-038	150	0.038/0.97	<b>5051022</b>	50
J3 SFC-FS 220-035	220	0.035/0.89	<b>5050360</b>	5

# Angiodyn®

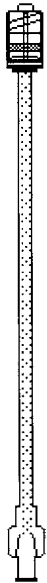
High pressure tubing with / without rotating adapter

## Angiodyn high pressure tubing

- transparent for visual control
- different tubing lengths for all needs
- luer-lock fitting male / female

### Angiodyn high pressure tubing up to 84 bar/1200 psi

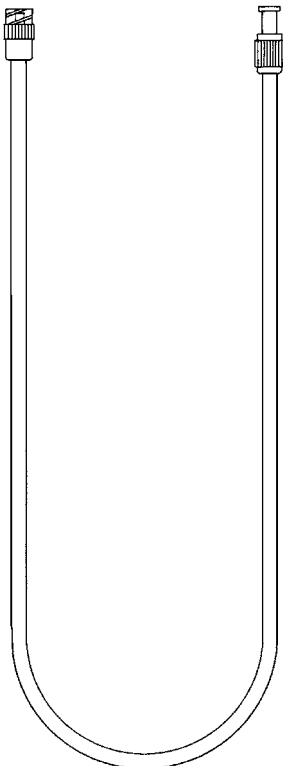
- Braided PUR, very flexible



Length (cm)	Inner diameter (mm)	Outer diameter (mm)	Order number	Sales unit-pcs.
<b>male / female with rotating adapter</b>				
50	1.7	3.6	5011507	25
75	1.7	3.6	5011515	25
100	1.7	3.6	5011523	25
120	1.7	3.6	5011531	25
200	1.7	3.6	5016002	25

### Angiodyn high pressure tubing up to 70 bar/1000 psi

- PVC, flexible



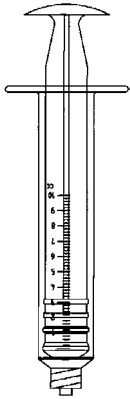
Length (cm)	Inner diameter (mm)	Outer diameter (mm)	Order number	Sales unit-pcs.
<b>male / female with rotating adapter</b>				
50	2.15	4.75	5011957	20
75	2.15	4.75	5011965	20
100	2.15	4.75	5011973	20
120	2.15	4.75	5011938	20
150	2.15	4.75	5018580	25
<b>male / female without rotating adapter</b>				
50	2.15	4.75	5018196	20
75	2.15	4.75	5018200	20
100	2.15	4.75	5018218	20
120	2.15	4.75	5018233	20
150	2.15	4.75	5014875	20



# Angiodyn®

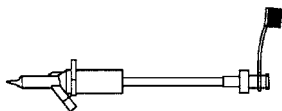
## Angiographic syringes / Contrast saver systems

### Spectraline syringes for connection with manifolds and catheters



- For hand injection of contrast media, heparin, saline solution and other liquids
- Clear polycarbonate barrel provides easy visualization of fluid levels and allows accurate debubbling
- Larger 0.100 inch I.D. syringe tip delivers injections with less force
- Wider barrel flanges with finger grips for a better handling
- Ergonomic palm plunger fits easily into all size hands for increased comfort during usage
- 10 ml and 20 ml syringes available in five colours
- Each syringe individually packaged with a label set

Plunger colour	Syringe volume	Order number	Sales unit-pcs.
white	10 ml	<b>622460</b>	<b>25</b>
blue	10 ml	<b>622461</b>	<b>25</b>
green	10 ml	<b>622462</b>	<b>25</b>
yellow	10 ml	<b>622463</b>	<b>25</b>
red	10 ml	<b>622464</b>	<b>25</b>
			<b>25</b>
white	20 ml	<b>622465</b>	<b>25</b>
blue	20 ml	<b>622466</b>	<b>25</b>
green	20 ml	<b>622467</b>	<b>25</b>
yellow	20 ml	<b>622468</b>	<b>25</b>
red	20 ml	<b>622469</b>	<b>25</b>



### Contrast saver system

- System for saving of contrast media

### Contrast saver spike

- Ventilated spike for contrast media container with Safesite valve
- Applicable for several angiographic examinations
- With integrated cover cap
- Length 15 cm

Contrast saver spike	<b>5010557</b>	<b>50</b>
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### Contrast saver tubing

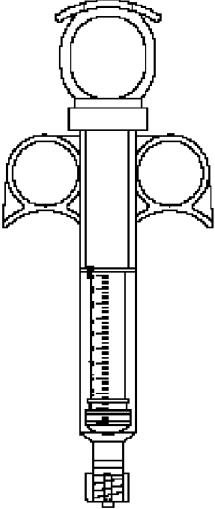
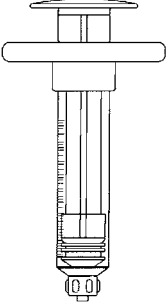
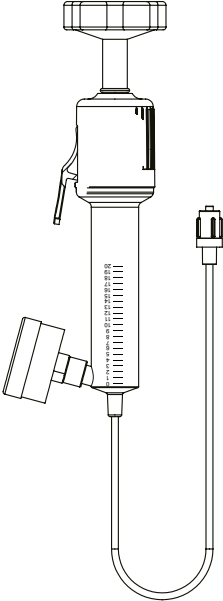
- Connection between contrast saver spike and manifold
- With large bore check valve to close the contrast media container (to prevent a contamination with micro organisms)
- Length 140 cm

Contrast saver tubing	<b>5010552</b>	<b>50</b>
Contrast saver burette (without illustration)	<b>5012000</b>	<b>50</b>



# Angiodyn®

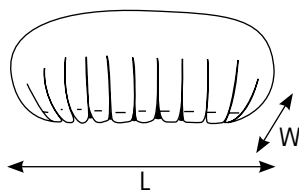
## Angiographic syringes

	Angiodyn®	Order number	Sales unit-pcs.
	<p><b>Angiographic syringes for contrast media injection</b></p> <ul style="list-style-type: none"> <li>- Rubber gasket for smooth plunger media injection</li> <li>- Crystal clear barrel</li> </ul> <p><b>10 ml angiographic syringe with rotating adapter</b></p> <ul style="list-style-type: none"> <li>- Ring plunger and medium sized grip plate</li> <li>- Security stop at 1.0 ml</li> <li>- Lateral finger rings</li> </ul>	<p>10 ml Angiographic syringe with rotating adapter</p> <p><b>5011990</b></p>	<p><b>50</b></p>
	<p><b>10 ml angiographic syringe with male Luer lock-fitting</b></p> <ul style="list-style-type: none"> <li>- Medium sized grip plate</li> <li>- Security stop at 1.0 ml</li> </ul>	<p>10 ml Angiographic syringe with male Luer-lock fitting</p> <p><b>5010142</b></p>	<p><b>50</b></p>
	<p><b>Inflation Device for PTA</b></p> <p>Pressure gauge:</p> <ul style="list-style-type: none"> <li>- 90° rotating manometer for „custom“ handling</li> <li>- Coded figures from nominal to burst pressures for easy reading</li> </ul> <p>Body and button:</p> <ul style="list-style-type: none"> <li>- Advanced mechanism for rapid pressure increase, i.e. effective and fast procedure</li> <li>- Grip design for better handling</li> <li>- Clear material for easy air bubble detection and removal</li> </ul> <p>Handle:</p> <ul style="list-style-type: none"> <li>- Ergonomic design for optimal handling</li> <li>- Progressive resistance while inflating for pressure feedback</li> </ul>	<p>Inflation Device for PTA, 20 ml/30 atm</p> <p><b>5028901</b></p>	<p><b>1</b></p>

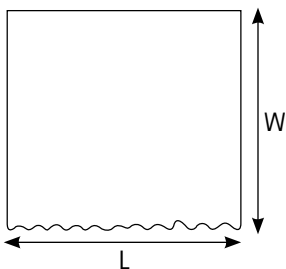
# Angiodyn®

## Angiographic image intensifier covers and bags

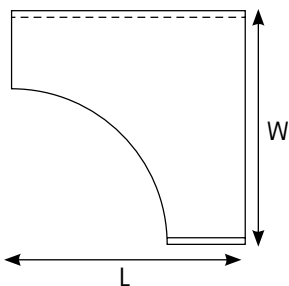
- Protect your equipment from contamination and dust
- PE transparent cover
- With elastic or string fixation



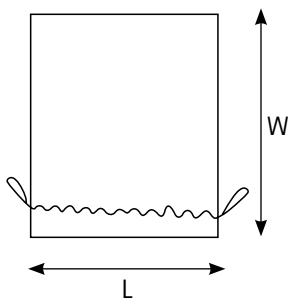
Length = L (cm)	Width = W (cm)	Order number	Sales unit-pcs.
<b>Angiodyn® image intensifier cover with elastic fixation</b>			
35	70	5014022	25
45	45	5016733	25
75	80	5010438	25
75	100	5010446	25
90	90	5017582	25
120	120	5010085	25
140	140	5018912	25



<b>Angiodyn® image intensifier bag with elastic fixation</b>			
60	60	5016080	25
85	90	5019900	25
90	60	5010210	25
110	130	5015640	25



<b>Angiodyn® image intensifier bag</b>			
80	80	5018100	50
82	95	5019430	50



<b>Angiodyn® bag with string fixation</b>			
60	65	5017745	25

<b>Angiodyn® lamp handle cover (without illustration)</b>			
		5016255	100

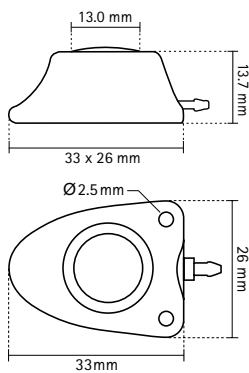
<b>Angiodyn® table plastic cover (without illustration)</b> colour: blue			
60	65	5012606	25

Customized kits on request. Please ask your B. Braun clinical specialist.

# Celsite® Safety

Venous Access Port for extended flexibility without compromise on safety

## Standard



Celsite® Safety is a totally implanted access device and is intended to be used for any condition that requires mid to long term intermittent or continuous central venous infusions.

Celsite® Safety is made of PEEK - Poly Ether Ketone a biocompatible material with high chemical resistance as well as superior durability characteristics.

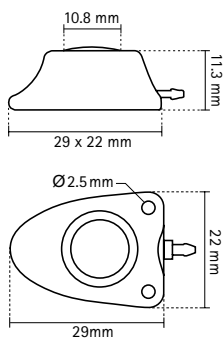
They are intended to be used for repeated, intravenous administration of, for example, chemotherapy, antibiotic and anti-viral drugs, parenteral nutrition, blood sampling or transfusion.

### New safety references

In conformance with national and international regulations (2010/32/EU) our percutaneous kits will be equipped with our well know safety needles: Surecan Safety II and Safecan™ Safety.

All Celsite® Safety Ports are PVC-, Latex- and DEHP free. Celsite® is MR-conditional.

## Small



- The complete range of Celsite® Safety is high pressure resistant up to 325psi (22,4 bar). This enables for power injections of contrast media, without the need for additional access and needlesticks.
- Celsite® Safety offers radiopaque CT marking. With CT marking it is possible to identify the port as high pressure resistant on the x-ray image.
- Titanium exit cannula and bottom plate for maximum safety
- Complete range of lasermarked silicone and polyurethane catheters with an atraumatic tip and graduated from 5 cm
- Solid radiopaque connection ring with anti-kink protection
- 2 extra large suture holes to facilitate fixation of the port
- Reduced titanium content for minimized metal induced artefacts
- Silicone septum for reliable sealing of the puncture
- High density silicone septum for reliable puncture and to ensure maximum port life

### Available Implantation Technique

- Seldinger
- Surgical cut-down

Catheter	OD (F/mm)	ID (mm)	Length (mm)	Flow rate* (ml/min)		325 PSI Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar)**			Implantation technique	Type	Order number	Accessories see page 30/31
						Viscosity 11.4 mPa.s (cP)						
						19G	22G					

### Standard

Silicone	6.5 / 2.2	1.1	500	26	10	2	5	5	Surgical cut-down	T601F	4437556	⑦
Silicone	8.5 / 2.8	1.2	500	34	11	2	5	5	Surgical cut-down	T601L	4437573	⑦
PUR	6.5 / 2.1	1.4	500	37	12	2	5	5	Surgical cut-down	T601P	4437565	⑦
PUR	8.5 / 2.8	1.6	500	48	12	2	5	5	Surgical cut-down	T601H	4437581	⑦
Silicone	6.5 / 2.2	1.1	500	26	10	2	5	5	Seldinger	SST601F	4437603	⑧
Silicone	8.5 / 2.8	1.2	500	34	11	2	5	5	Seldinger	SST601L	4437612	⑧
Silicone	10 / 3.2	1.6	500	48	12	2	5	5	Seldinger	SST601G	4437620	⑧
PUR	6.5 / 2.1	1.4	500	37	12	2	5	5	Seldinger	SST601P	4437607	⑧
PUR	8.5 / 2.8	1.6	500	48	12	2	5	5	Seldinger	SST601H	4437617	⑧

### Small

Silicone	6.5/2.2	1.1	500	26	10	2	5	5	Surgical cut-down	T605F	4437758	⑦
Silicone	6.5/2.2	1.1	500	26	10	2	5	5	Seldinger	SST605F	4437803	⑧
Silicone	8.5/2.8	1.2	500	34	11	2	5	5	Seldinger	SST605L	4433817	⑧
PUR	5/1.6	1.1	500	26	10	2	5	5	Seldinger	SST605C	4437800	⑧
PUR	6.5/2.1	1.4	500	37	12	2	5	5	Seldinger	SST605P	4437809	⑧
PUR	8.5/2.8	1.6	500	48	12	2	5	5	Seldinger	SST605H	4437813	⑧

\* Gravity infusion of saline (0.9%) through a 22G respectively 19G needle from a height difference of 1 m and a catheter length of 40 cm. According to ISO 10555-1.

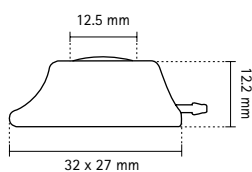
\*\* Flow rates determined according to ISO 10555-6 with a catheter of 20 cm and Surecan® Safety II.

Flow rates may vary depending on temperature and viscosity of contrast media, length of the implanted catheter and technical characteristics of the injector system.

# Celsite® Epoxy

Premium venous access ports with special compact port design

## Standard

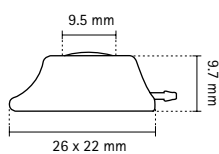


Celsite® Epoxy Access Port Systems are totally implanted and indicated for any condition that requires mid to long term intermittent or continuous venous infusion.

They are intended to be used for repeated, intravenous administration of, for example, chemotherapy, antibiotic and anti-viral drugs, parenteral nutrition, blood sampling or transfusion.

The port has an epoxy body with a titanium chamber and is high pressure resistant up to 325 PSI (22,4 bar).

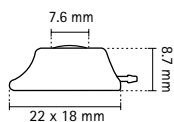
## Small



### Special Features

- Compact port design with enlarged puncture area in relation to the port housing size
- Large range of silicone and polyurethane catheters
- Pre-connected versions available for increased reliability of connection
- High pressure resistance up to 325 PSI ( 22,4 bar)
- Available with radiopaque CT marking (except for the US market) which indicates power injectability of the port on x-ray
- Also available in baby sizes to facilitate implantation in paediatric and underweight patients

## Baby/Brachial



### General Features

- Anatomic design and lower profiled nose for simplified insertion and patient comfort
- Titanium chamber for enhanced security
- High density silicone septum for reliable puncture and to ensure long port life
- 2 suture holes to facilitate fixation of the port
- The radiopaque catheter is graduated from 5 cm in order to facilitate an easy and precise implantation
- Rounded atraumatic catheter tip
- Reliable radiopaque connection ring with anti-kink protection
- MR-conditional, Latex, DEHP and PVC free

### Available Implantation Technique

- Seldinger
- Braunule, Seldinger
- Surgical cut-down

Catheter	OD (F/mm)	ID (mm)	Length (mm)	Flow rate* (ml/min)		325 PSI Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar)**						Implantation technique	Type	Order number	Accessories see page 30/31
						Viscosity 5.8 mPa.s (cP)			Viscosity 11.4 mPa.s (cP)						
						19G	22G	22G	20G	19G	22G				
<b>Standard</b>															
PUR	5 /1.7	1.1	900	22	10	2	5	6	1	3	5	Braunule, Seldinger	ST201C	4432045	②
Silicone	6.5/2.2	1.0	800	24	10	2	6	7	1	4	5	Surgical cut-down	T201F	4430034	⑥
Silicone	6.5 /2.2	1.0	800	24	10	2	6	7	1	4	5	Seldinger	ST201F	4430409	①
PUR	6.5 /2.1	1.4	800	28	11	2	5	7	1	4	6	Seldinger	ST201P	4430417	①
PUR (high flow)	8.5 /2.8	1.6	800	39	12	2	6	8	1	4	7	Seldinger	ST201H	4433149	①
Silicone	8.5 /2.8	1.1	800	24	11	2	6	7	1	4	6	Surgical cut-down	T201	4430026	⑥
Silicone	8.5 /2.8	1.1	800	24	11	2	6	7	1	4	6	Seldinger	ST201	4430395	①
Silicone (high flow)	10 /3.2	1.6	800	38	12	2	6	9	1	4	6	Seldinger	ST201G	4433807	①
<b>Small</b>															
Silicone	6.5/2.2	1.0	800	24	10	2	5	8	1	4	6	Seldinger	ST205	4430893	①
Silicone	6.5/2.2	1.0	800	24	10	2	5	8	1	4	6	Surgical cut-down	T205	4430085	⑥
PUR	6.5/2.1	1.4	800	28	11	2	5	8	1	4	5	Seldinger	ST205P	4430894	①
Silicone	8.5/2.8	1.1	800	24	11	2	5	8	1	3	6	Seldinger	ST205L	4430895	①
PUR (high flow)	8.5/2.8	1.6	800	39	12	2	6	9	1	4	6	Seldinger	ST205H	4436806	①
Silicone***	6.5/2.2	1.0	800	24	10	2	5	8	1	4	6	Seldinger	ST215	4430143	①
<b>Baby/Brachial</b>															
PUR	4.5/1.5	0.8	800	14	8	2	4	–	1	3	–	Seldinger	Babyport®	4433742	④
PUR	5 /1.7	1.1	700	22	10	2	5	–	1	4	–	Seldinger, OTW	Brachial	4433734	⑩
Silicone	6 /2.0	1.2	600	27	12	2	5	–	1	4	–	Seldinger	Babyport® S	4433842	⑤

\* Gravity infusion of saline (0.9%) through a 22G respectively 19G needle from a height difference of 1 m and a catheter length of 40 cm.

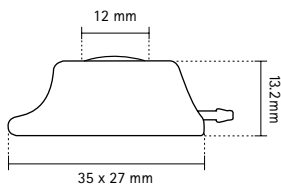
\*\* With a catheter of 20 cm and Surecan® Safety II. For countries under CE mark only.

\*\*\* With pre-connected catheter.

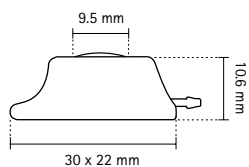
# Celsite® PSU

Access ports for mid to long term venous applications

## Standard



## Small



Celsite® PSU Access Port Systems are indicated for any condition that requires mid to long-term intermittent or continuous venous infusion.

They are intended to be used for repeated, intravenous administration of, for example, chemotherapy, antibiotic and anti-viral drugs, parenteral nutrition, blood sampling or transfusion.

Celsite® PSU has a polysulphone body with a titanium chamber and is high pressure resistant up to 325 PSI (22,4 bar).

### Special Features

- Large range of silicone and polyurethane catheters
- Pre-connected versions available for increased reliability of connection
- High pressure resistance up to 325 PSI ( 22,4 bar)
- 3 suture holes to facilitate fixation of the port

### General Features

- Anatomic design and lower profiled nose for simplified insertion and patient comfort
- Made out of lightweight polysulphone
- Titanium chamber for enhanced security
- Available in standard and small size
- High density silicone septum for reliable puncture and to ensure long port life
- The radiopaque catheter is graduated from 5 cm in order to facilitate an easy and precise implantation
- Rounded atraumatic catheter tip
- Reliable radiopaque connection ring with anti-kink protection
- MR-conditional, Latex, DEHP and PVC free

### Available Implantation Technique

- Seldinger
- Braunule, Seldinger
- Over-the-wire
- Surgical cut-down



Catheter	OD (F/mm)	ID (mm)	Length (mm)	Flow rate* (ml/min)		325 PSI Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar)**						Implantation technique	Type	Order number	Accessories see page 30/31
						Viscosity 5.8 mPa.s (cP)			Viscosity 11.4 mPa.s (cP)						
						19G	22G	22G	20G	19G	22G				
<b>Standard</b>															
PUR	5 /1.7	1.1	900	22	10	2	5	6	1	3	5	Braunule, Seldinger	ST301C	4432096	②
PUR	5 /1.7	1.1	370	22	10	2	5	6	1	3	5	OTW	ST301OTW	4433726	③
PUR	6.5/2.1	1.4	800	28	11	2	5	7	1	4	6	Seldinger	ST301P	4430441	①
PUR	6.5/2.1	1.4	800	28	11	2	5	7	1	4	6	Surgical cut-down	T301P	4430387	⑥
Silicone	6.5/2.2	1.0	800	24	10	2	6	7	1	4	5	Seldinger	ST301F	4430433	①
Silicone***	6.5/2.2	1.0	800	24	10	2	6	7	1	4	5	Seldinger	ST311F	4436717	①
Silicone	6.5/2.2	1.0	800	24	10	2	6	7	1	4	5	Surgical cut-down	T301F	4430000	⑥
Silicone	8.5/2.8	1.1	800	24	11	2	6	7	1	4	6	Seldinger	ST301	4430425	①
Silicone***	8.5/2.8	1.1	800	24	11	3	+	7	2	4	6	Seldinger	ST311	4436709	①
Silicone	8.5/2.8	1.1	800	24	11	2	6	7	1	4	6	Surgical cut-down	T301	4430018	⑥
PUR (high flow)	8.5/2.8	1.6	800	39	12	2	6	8	1	4	7	Seldinger	ST301H	4432460	①
PUR (high flow)	8.5/2.8	1.6	800	39	12	2	6	8	1	4	7	Surgical cut-down	T301H	4432452	⑥
PUR (high flow)***	8.5/2.8	1.6	800	39	10	2	6	8	1	4	7	Seldinger	ST311H	4436814	①
Silicone (high flow)	10 /3.2	1.6	800	38	12	2	6	9	1	4	6	Seldinger	ST301G	4433823	①
<b>Small</b>															
PUR	5 /1.7	1.1	900	19	10	2	5	7	1	3	5	Braunule, Seldinger	ST305C	4436962	②
PUR	6.5/2.1	1.4	800	28	11	2	5	8	1	4	5	Seldinger	ST305P	4436946	①
Silicone	6.5/2.2	1.0	800	24	10	2	5	8	1	4	6	Seldinger	ST305	4433750	①
Silicone***	6.5/2.2	1.0	800	24	10	2	5	8	1	4	6	Seldinger	ST315	4436725	①
Silicone	6.5/2.2	1.0	800	24	10	2	5	8	1	4	6	Surgical cut-down	T305	4436903	⑥
Silicone	8.5/2.8	1.1	800	24	11	2	5	8	1	3	6	Seldinger	ST305L	4436920	①
PUR (high flow)	8.5/2.8	1.6	800	39	12	2	6	9	1	4	6	Seldinger	ST305H	4433556	①

\* Gravity infusion of saline (0.9%) through a 22G respectively 19G needle from a height difference of 1 m and a catheter length of 40 cm.

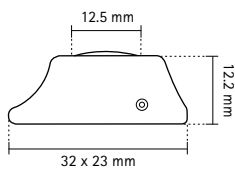
\*\* With a catheter of 20 cm and Surecan® Safety II. For countries under CE mark only.

\*\*\* With pre-connected catheters.

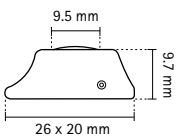
# Celsite® Discreet

Venous access ports with unique design for enhanced port stability and better cosmetic results

## Standard



## Small



Celsite® Discreet Access Port Systems are indicated totally implanted and for any condition that requires mid to long-term intermittent or continuous venous infusion.

They are intended to be used for repeated, intravenous administration of, for example, chemotherapy, antibiotic and anti-viral drugs, parenteral nutrition, blood sampling or transfusion.

The patented 90° angle of the Celsite® Discreets exit cannula reduces the risk of port flip and associated blockage due to catheter kinking. In addition, the special port design supports a more lateral implantation, a vertical incision for a faster wound healing with a more discreet scar.

### Special Features

- Prevention of port flip due to patented 90° angle of the exit cannula
- Supports a vertical incision for a faster wound healing with a more discreet scar
- Compact port design with enlarged puncture area in relation to the port housing size
- Available with radiopaque „CT” marking (except for the US market) which indicates power injectability of the port on x-ray
- High pressure resistance up to 325 PSI ( 22,4 bar)
- MR-conditional, PVC, Latex and DEHP-free

Catheter	Exit can-nula	OD (F/mm)	ID (mm)	Length (mm)	Flow rate* (ml/min)		325 PSI Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar)**						Implantation technique	Type	Order number	Accessories see page 30/31
							Viscosity 5.8 mPa.s (cP)			Viscosity 11.4 mPa.s (cP)						
							19 G	22 G	22 G	20 G	19 G	22 G				
<b>Standard</b>																
Silicone	left	8.5/2.8	1.1	800	26	11	2	6	7	1	4	6	Seldinger	STL201L	4430144	①
Silicone	right	8.5/2.8	1.1	800	26	11	2	6	7	1	4	6	Seldinger	STR201L	4430145	①
PUR	left	8.5/2.8	1.6	800	39	12	2	6	8	1	4	7	Seldinger	STL201H	4440201	①
PUR	right	8.5/2.8	1.6	800	39	12	2	6	8	1	4	7	Seldinger	STR201H	4440202	①
<b>Small</b>																
Silicone	left	6.5/2.2	1.1	800	22	11	2	5	8	1	4	6	Seldinger	STL205F	4430146	①
Silicone	right	6.5/2.2	1.1	800	22	11	2	5	8	1	4	6	Seldinger	STR205F	4430147	①
PUR	left	6.5/2.1	1.4	800	28	11	2	5	8	1	4	5	Seldinger	STL205P	4440203	①
PUR	right	6.5/2.1	1.4	800	28	11	2	5	8	1	4	5	Seldinger	STR205P	4440204	①

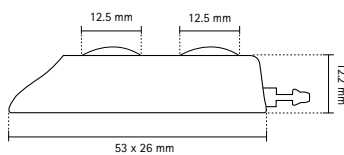
\* Gravity infusion of saline (0.9%) through a 22G respectively 19G needle from a height difference of 1 m and a catheter length of 40 cm.

\*\* With a catheter of 20 cm and Surecan® Safety II. For countries under CE mark only.

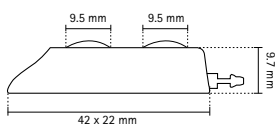
# Specialized Access Ports

## Celsite® Double Access Port

### Standard



### Small



Celsite® Double Access Port Systems are totally implanted and indicated for any condition that requires mid to long term intermittent or continuous venous infusion.

The Celsite® Double can be used for simultaneous venous infusion of incompatible drugs, for administration of continuous infusion and bolus injection and other indications when double access is needed. The off-set silicone catheter tip ensures that no mixing of drugs occurs at the catheter tip.

### Special Features

- Allows simultaneous infusion of e.g. incompatible drugs
- Off-set silicone catheter tip ensures no mixing of incompatible drugs at the catheter tip
- For infusion with high flow rates by using both lumina
- Compact port design with enlarged puncture area in relation to the port housing size
- Available with radiopaque CT marking (except for the US market) which indicates power injectability of the port on x-ray
- High pressure resistance up to 325 PSI ( 22,4 bar)

Catheter	OD (F/mm)	ID (mm)	Length (mm)	Flow rate* (ml/min)		325 PSI Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar)						Implantation technique	Type	Order number	Accessories see page 30/31
				19G	22G	Viscosity 5.8 mPa.s (cP)			Viscosity 11.4 mPa.s (cP)						
						22G	20G	19G	22G	20G	19G				

### Standard

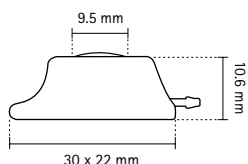
Silicone	10 / 3.2	1.2 x 2	800	24	10	2	5	8	1	4	6	Seldinger	ST401L	4430100	①
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### Small

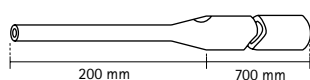
Silicone	10 / 3.2	1.2 x 2	800	24	10	2	5	8	1	4	6	Seldinger	ST405L	4430101	①
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## Celsite® Anthron® Arterial Port

### Celsite® Small



### Tapered catheter



Celsite® Anthron® Arterial Port Systems are totally implanted and indicated for arterial applications and permit loco-regional chemotherapy directly targeting tumours.

The Anthron® catheter is specially designed for percutaneous access via the femoral or axillary artery. The catheter tip is fixed in gastroduodenal artery and the chemotherapy is administered through the side hole in hepatic artery (HAIT). Anthron® is a hydrophilic polyurethane catheter to which heparin is ionically bound. It is particularly indicated to help prevent catheter occlusion and catheter-related thrombosis.

### Special Features

- Tapered catheter (2.7F to 5F), with side hole, for placement of the catheter tip in the gastroduodenal artery

Catheter	OD (F)	OD (mm)	ID (mm)	Length (mm)	Flow rate* (ml/min)		Implantation technique	Type	Order number	Accessories see page 30/31
					19G	22G				

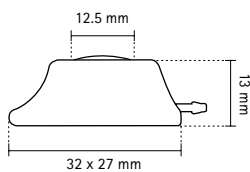
### Small

Tapered PUR Anthron®	Non tapered portion 5F Distal tip 2.7F	1.7/0.9	1.1/0.5	Total 900 Tapered 200	18	10	Percutaneous	R305-A5ST	4442465	⑨
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# Specialized Access Ports

## Celsite® Peritoneal Access Port

### Standard



The Celsite® Peritoneal Access Port Systems are totally implanted and indicated for peritoneal applications and permit loco-regional chemotherapy of peritoneal metastases and ovarian cancer.

The radiopaque silicone catheter with multiple perforations allows diffusion of infused drugs and reliable patency of the catheter.

### Special Features

- Connection is secured with the radiopaque titanium connection ring
- Radiopaque 15F silicone catheter with multiple perforations allows diffusion
- Compact port design with enlarged puncture area in relation to the port housing size

Catheter	OD (F/mm)	ID (mm)	Length (mm)	Flow rate* (ml/min)		Implantation technique	Type	Order number	Accessories see page 30/31
				19G	22G				

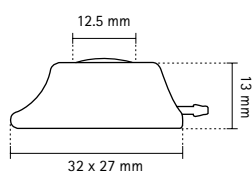
### Standard

Silicone	15 / 4.9	2.6	420	46	12	peritoneal	T203J	4430069	⑫
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The implantation accessories kit AP16F can be ordered separately. Reference: 4430793, see page 31

## Celsite® DRAINAPORT Access Port

### Standard

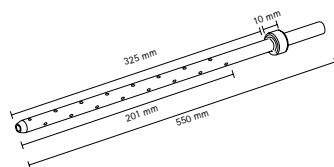


The Celsite® DRAINAPORT Access Port Systems are totally implanted and indicated for pleural and peritoneal applications.

It avoids repeated, painful puncture for drainage of malignant ascites or malignant pleural effusion. Moreover, the Celsite® DRAINAPORT can be used for intra-peritoneal administration of chemotherapy and hydration.

### Special Features

- Smooth, large and flexible multiperforated 15F silicone catheter with 49 oval holes (Ø 1.1 x 1.6 mm) from the tip up to 20 cm to prevent blockage of the catheter and ensure optimal efficiency
- Catheter cuff promotes tissue in-growth to reduce infection risk and holds the catheter securely in place
- Compact port design with enlarged puncture area in relation to the port housing size
- Connection is secured with the radiopaque titanium connection ring



Catheter	OD (F/mm)	ID (mm)	Length (mm)	Flow rate* (ml/min)		Implantation technique	Type	Order number	Accessories see page 30/31
				19G	22G				

### Standard

Silicone	15 / 4.9	2.6	550	46	12	peritoneal / pleural	T203J-1	4430169	⑪
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The implantation accessories kit AP16F can be ordered separately. Reference: 4430493, see page 31 ⑩.

\* Gravity infusion of saline (0.9%) through a 22G respectively 19G needle from a height difference of 1 m and a catheter length of 40 cm.

\*\* With a catheter of 20 cm and Surecan® Safety II. For countries under CE mark only.

# Venous Accessories for Access Ports

Implantation technique		Percutaneous					
		Seldinger	Seldinger/Braunule	OTW	Seldinger		OTW
Pieces	Kit designation	Kit ①	Kit ②	Kit ③	Kit ④ (Baby)	Kit ⑤ (Baby)	Kit ⑩ (Brachial)
2	Straight Surecan® needles	22 G x 30 mm	22 G x 30 mm	22 G x 30 mm	22 G x 30 mm	22 G x 30 mm	22 G x 30 mm
1	Vein lifter	x	x	x	x	x	x
1	Puncture needle	18 G x 70 mm	18 G x 70 mm	18 G x 70 mm	20 G x 50 mm	18 G x 70 mm	18 G x 70 mm
1	Splittocan needle		14 G x 80 mm		20 G x 32 mm		
1	J guide wire with dispenser	0.035" x 50 cm	0.035" x 50 cm	0.035" x 70 cm	0.025" x 50 cm	0.035" x 50 cm	0.035" x 150 cm
1	Dilator			6F x 100 mm			
1	Tear-away introducer/Dilator	L 180/140 mm	L 180/140 mm		L 80/50 mm	L 180/140 mm	L 180/140 mm
1	Tunnelling rod	x	x	x	x	x	x
1	Omnifix luer syringe	10 mL	10 mL	10 mL	10 mL	10 mL	10 mL
1	Winged Surecan® needle	20 G x 20 mm	20 G x 20 mm	20 G x 20 mm	22 G x 15 mm	22 G x 15 mm	22 G x 15 mm

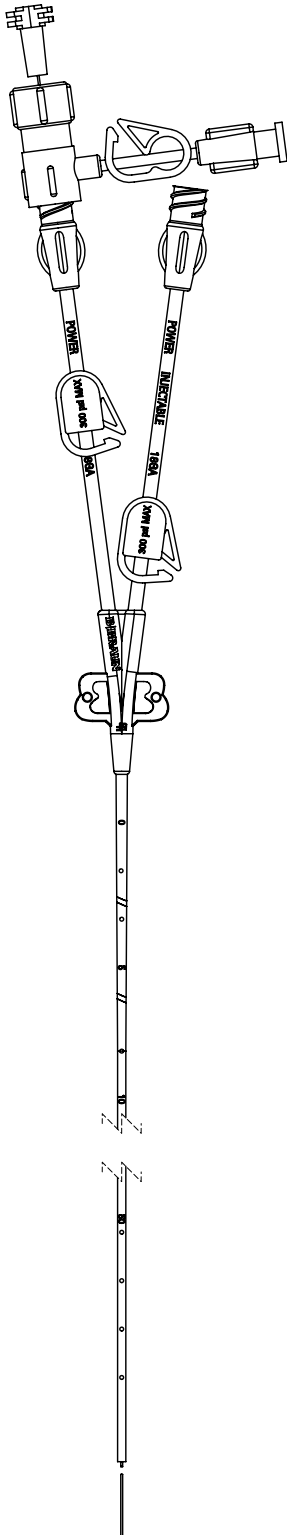
Implantation technique		Surgical cut-down			
			Arterial		
Pieces	Kit designation	Kit ⑥	Kit ⑨	Kit ⑪ (Drainage)	Kit ⑫ (Peritoneal)
2	Straight Surecan® needles	22 G x 30 mm	22 G x 30 mm	22 G x 30 mm	22 G x 30 mm
1	Vein lifter	x	x	x	x
1	Puncture needle				
1	Introcan needle				
1	J guide wire with dispenser				
1	ECG cable				
1	Tear-away introducer/Dilator				
1	Tunnelling rod				
1	Omnifix luer syringe				
1	Winged Surecan® needle		20 G x 20 mm		

	Implantation technique	Surgical cut-down	
		Seldinger	
Pieces	Kit designation	Kit ⑦	Kit ⑧
2	Straight Surecan®	22G x 30 mm	22G x 30 mm
1	Vein lifter	x	x
1	Rinsing Hub	x	x
1	Safecan® Safety	18G x 70 mm	-
1	J Guide Wire with Dispenser	0.035" x 50 cm	-
1	Tear-away Introducer	180/140 mm	-
1	Tunnelling Rod	x	-
1	Omnifix Luer Syringe	10 mL	-
1	Surecan® Safety II	20G x 20 mm	-

Separate accessory kits					
	Reference	4430483	4430484	4430492	4430493
Pieces	Kit designation	AP 6F	AP 7F	AP 9F	AP 16F
1	Puncture needle	20G x 50 mm	18G x 70 mm	18G x 70 mm	18G x 70 mm
1	Introcan needle	20G x 32 mm			
1	J guide wire with dispenser	0.025" x 50 cm	0.035" x 50 cm	0.035" x 50 cm	0.035" x 40 cm
1	Tear-away introducer/Dilator	6F, short (80/50 mm)	7F x180/140 mm	9F x180/140 mm	16F with dilator 12F-14F
1	Tunnelling rod	x	x	x	x
1	Vein lifter	x	x	x	
1	Omnifix luer syringe	10 mL	10 mL	10 mL	10 mL
1	Winged Surecan® needle	22G x 15 mm	20G x 20 mm	20G x 20 mm	19G x 25 mm

# Celsite® PICC-Cel

## Peripherally Inserted Central Catheter



Celsite® PICC-Cel is a peripherally inserted catheter for short to long term central venous access. Celsite® PICC-Cel may be used for up to 3 months.

### Indicated for drug Infusion therapy such as:

- Antibiotherapy
- Blood Sampling and Transfusion
- Total Parenteral Nutrition (TPN)
- Antiviraltherapy
- Chemotherapy

### Also indicated for:

- Central Venous Pressure Monitoring
- High Pressure Injections up to 300 PSI (22.7 bar) with 5 ml/sec

### Characteristics

- Polyurethane Catheter which is marked every cm from 0 at the hub
- Latex and PVC free, MR safe and Radiopaque
- Reverse taper design from the hub for 10 cm that reduces the risk of bleeding and increases the kink resistance at skin exit
- Luer Lock Hub with tight attachment and color coded hubs for easier identification
- Fixation Hub which is compatible with different securement devices
- Side port for flushing during catheter placement
- Pre-mounted removable stylet which improves catheter advancement
- Comfortable Handling

### Celsite® PICC-Cel Implantation Accessories

- 21 G x 70 mm echogenic safety puncture needle for needle tip location via ultrasound
- Safety scalpel E11
- Caresite® needleless access connector
- 4.5 F, 5.5 F, 6.5 F x 7 cm peelable introducer for better peripheral access
- Stainless steel guidewire & Nitinol guidewire, available in 45 cm and 130 cm
- Grip-Lok® Securement Device
- 10 ml Omnifix® Luer Slip syringe
- Tape measure for catheter measurement and trimming



Lumen	Size	Catheter length	Guidewire material	Guidewire length	Order number
1	4 F	51 cm	Stainless Steel	Short	4434080**
				Long	4434081
			Nitinol	Short	4434082
				Long	4434083
	5 F	61 cm	Stainless Steel	Short	4434084**
				Long	4434085
			Nitinol	Short	4434086
				Long	44394087
2	5 F	56 cm	Stainless Steel	Short	4434088**
				Long	4434089
			Nitinol	Short	4434090
		Long		4434091	
		46 cm	Stainless Steel	Short	4434096* **
				Long	4434097*
	Nitinol		Short	4434098*	
		Long	4434099*		
	6 F	61 cm	Stainless Steel	Short	4434092**
				Long	4434093
				Nitinol	Short
			Long		4434095

\* Length = 46 cm. 5 ml/sec may only be reached if the catheter is trimmed to a length of 46 cm or less. If the catheter length is 56 cm, the maximum flow rate achievable is 4 ml/sec.

\*\* Available on request

# Customized Procedure Kits for PICC-Line

	Standard kits	Order number
	<b>Example for PICC-Line</b>	5012901
	<p><b>Kit components:</b></p> <ul style="list-style-type: none"> <li>- Ultrasound cover</li> <li>- 3M Tegaderm, 8.5 x 11.5 cm</li> <li>- Patient drape 211 x 330 cm</li> <li>- Omnifix luer lock, 5 ml</li> <li>- Tesa yellow</li> <li>- Intensifier cover 120 x 120 cm</li> <li>- 2 x Omnifix syringe 10 ml, LL</li> <li>- Grip Lock</li> <li>- Label red printed with Lidocain</li> <li>- Sterican G27, 10, 40 x 20 mm, grey</li> <li>- Sterican G22, 10, 70 x 40 mm, black</li> <li>- Sterican 0.80 x 20 mm, 21G green</li> <li>- Needleholder</li> <li>- Tray blue 250 ml</li> <li>- Scalpel</li> <li>- 10 x Compresses 10 x 10 cm, 12-ply</li> <li>- 5 x Gauzes</li> <li>- 3 x Paper towel</li> <li>- 3 x Clamp</li> <li>- 2 x OP Coat XL</li> <li>- Cover drape 150 x 140 cm</li> </ul>	

# Customized Procedure Kits for Access Ports

	Standard kits	Order number
	<p><b>Example for Port Kit Classic</b></p> <hr/> <p><b>Kit components:</b></p> <ul style="list-style-type: none"> <li>- Bottom drape 148 x 240 cm</li> <li>- Top drape 175 x 180 cm</li> <li>- 2 x Side drape 75 x 100 cm</li> <li>- Cover drape 150 x 180 cm</li> <li>- 2 x Gauze compresses 7.5 x 7.5cm Y-cuted</li> <li>- 2 x Omnifix syringe 20 ml, LL</li> <li>- 2 x Omnifix syringe 10 ml, LL</li> <li>- 2 x Injekt syringe 20 ml, LS</li> <li>- Needle collector box</li> <li>- Safety scalpel E 11</li> <li>- Safety scalpel E 15</li> <li>- Safety needle 0.6 x 25 mm, 23G, blue</li> <li>- 2 x Universal clamp</li> <li>- 2 x Angiodyn image intensifier cover 90 x 90 cm</li> <li>- 5 x Swabs, plum size, x-ray</li> <li>- 50 x Gauze compresses 10 x 10 cm, 12-fold</li> <li>- Askina - Soft 7.5 x 5 cm</li> <li>- 6 x Steristrips 12 x 100 mm</li> <li>- Bowl 250 ml, transparent</li> <li>- Bowl 500 ml, blue</li> <li>- Tray 24 x 25 x 5 cm</li> <li>- Cover drape 140 x 150 cm</li> </ul> <hr/> <p><b>Disinfection kit:</b></p> <ul style="list-style-type: none"> <li>- SUSI® sponge forceps</li> <li>- Bowl 500 ml</li> <li>- 5 x Swabs, plum size</li> </ul>	<p>5018796</p>

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Distributor

B. Braun Melsungen AG | Vascular Systems | Sieversufer 8 | 12359 Berlin | Germany  
Phone +49 30 568207-300 | Fax +49 30 568207-210 | [www.bbraun.com](http://www.bbraun.com)



B. Braun Melsungen AG | Carl-Braun-Str. 1 | 34212 Melsungen | Germany

Aesculap AG | Am Aesculap-Platz | 78532 Tuttlingen | Germany  
Phone +49 74 61 95-0 | Fax +49 74 61 95-26 00 | [www.aesculap.com](http://www.aesculap.com)

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