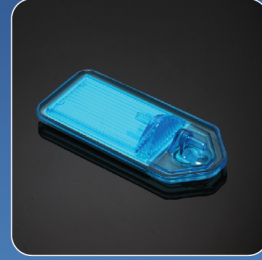




The most important value for
a human being: happiness based on health

The most important value for a human being: happiness based on health

SUNGWON MEDICAL



Sungwon Medical Co., Ltd. is pursuing the vision of the 21st century to be a true global leader of medical devices making its customers happy throughout the world by means of its innovative products and services.

Sungwon Medical Co., Ltd. keeps aggressively investing in R&D and new medical products for human beings. Sungwon Medical Co., Ltd. has already set a new mid-term and long-term vision, aiming to achieve a position as one of the top biotechnology and medical firms in the world by 2025.

As such, Sungwon Medical Co., Ltd. is embracing the philosophy of "Innovative minds" whereby only innovative and talented individuals can create an innovative company, and pursue two central strategies involving "fast innovation" and "stable growth". Furthermore, it seeks to secure three core capabilities - product leadership; market leadership; and people-centered leadership.

President *Lee, Dae Hee*





The most important value for a human being: happiness based on health

History

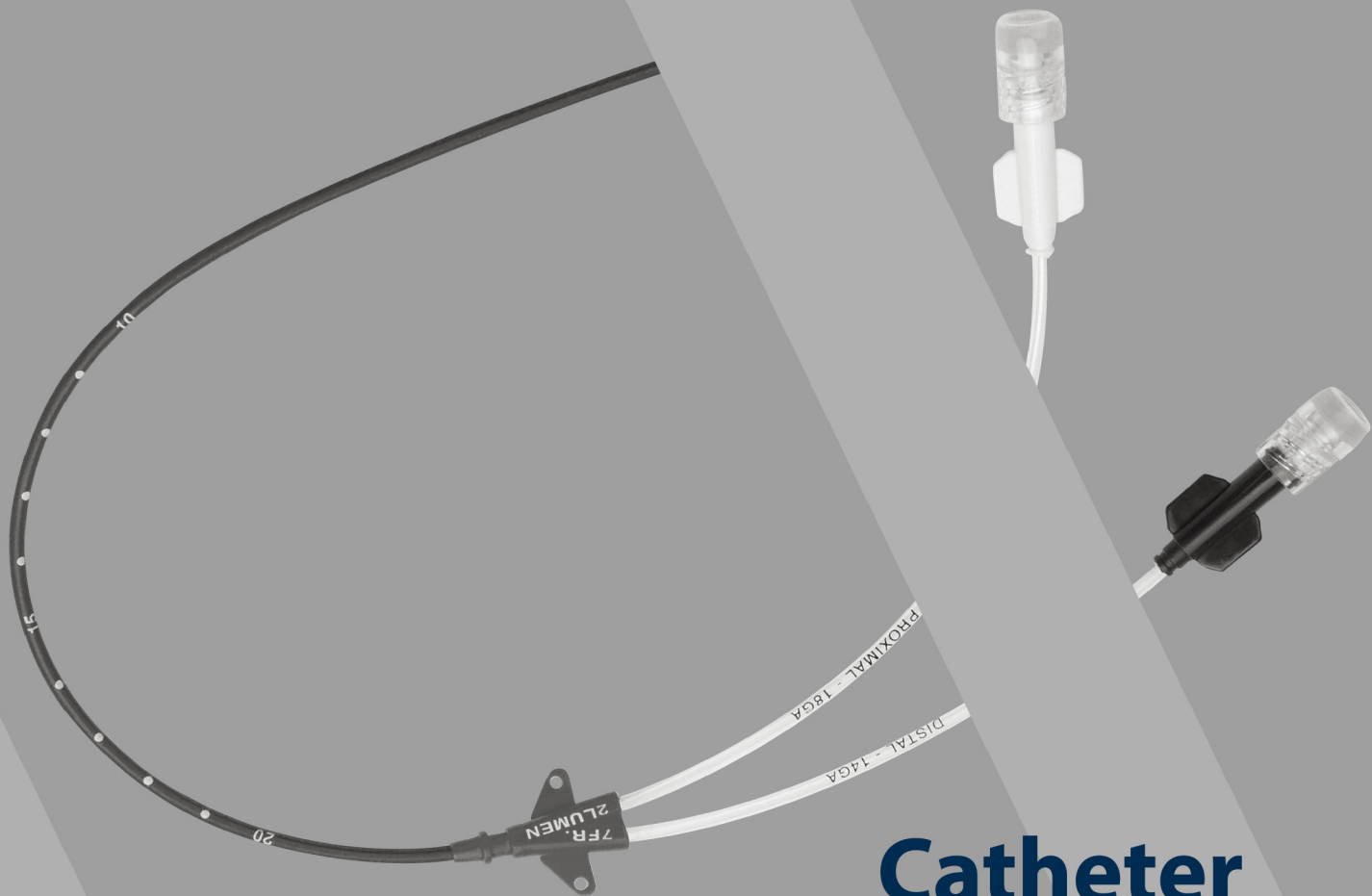
- 1995. 09. Company Registration
- 1996. 01. Factory Registration
- 1996. 06. The certification for the Medical Manufacture (Certificate No:570)
KFDA approved Central Venous Catheter (Intravascular Catheter, Reg. No.:97-135)
- 1997. 11. KFDA approved Drainage Catheter
- 2001. 06. KFDA approved Infusion Device set
- 2001. 07. The qualification for the production quality system CE (CVC, Drainage),
ISO 13485, ISO 9001
- 2003. 10. KFDA approved Multipurpose Drainage Catheter
- 2004. 07. KFDA approved PCA pump set(Therefuser)
- 2004. 12. KFDA approved Accu-Sheath Introducer
- 2006. 03. The qualification for the production quality system CE
(Therefuser, Accu-sheath Introducer)
- 2007. 07. KFDA approved Prime-S (The 1st registration in Korea)
- 2007. 08. The qualification for the production quality system from KFDA
- 2009. 05. KFDA approved S-Fix Plus (Drape, Reg. No.:09-54)
- 2011. 03. KFDA approved Max-T (Angiographic catheter, Reg. No.:11-290)
- 2011. 07. INNO-BIZ certified
- 2011. 09. KFDA approved PU infusion line (Reg. No.:11-965)
- 2012. 12. SQ certified (12-309)
- 2013. 05. Completed Osong Plant (5,555m²)
- 2013. 09. KFDA approved InnoFuser (Infusion Line, NON-DEHP PVC) (Reg. No.:13-1631)
- 2014. 04. KFDA approved Port system (Reg. No.: 14-943)
- 2014. 06. KFDA approved PU Guidewire (Reg. No.: 14-1213)
- 2014. 08. KFDA approved MAD Micro Sheath Set (Reg. No.: 14-1474)
- 2018. 09. Completed Vietnam Plant (15,000m²)
- 2019. 03. On the establishment of China Factory (2,000m²)



The most important value for a
human being: happiness based on health

SUNGWON MEDICAL





Catheter

Prime-S
Central Venous Catheter
Hartz Raum
Port
Hemodialysis Catheter

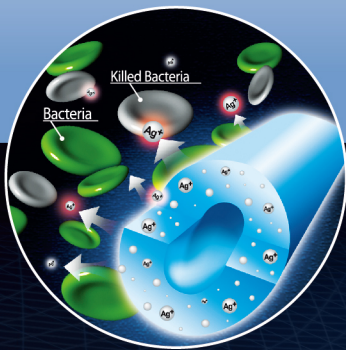
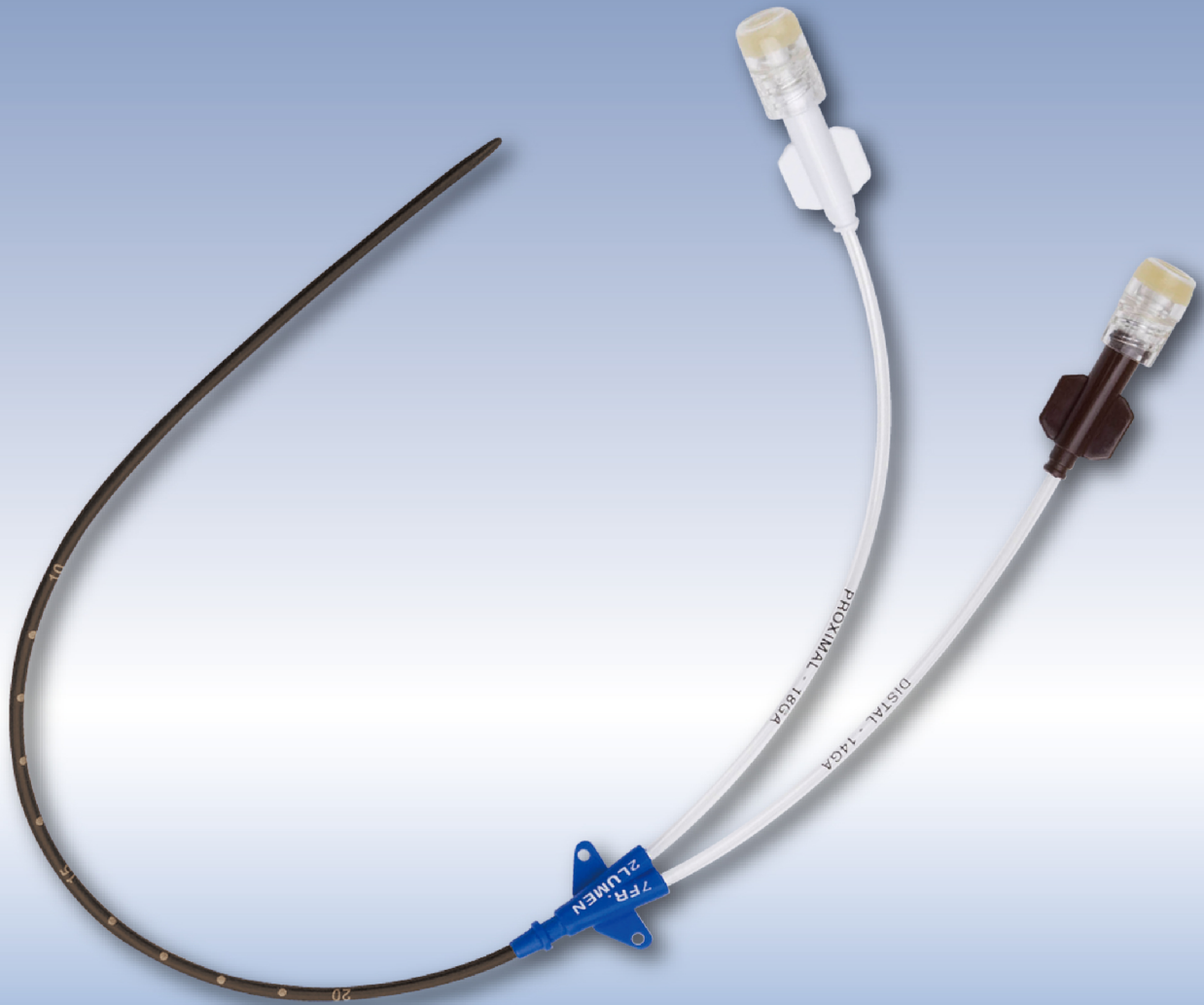


Prime-S

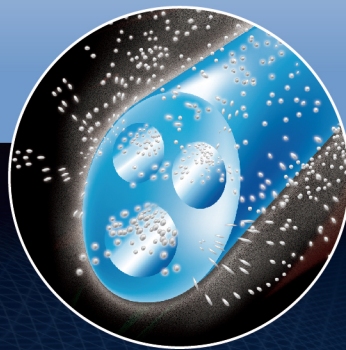
Antimicrobial Technology

Antimicrobial Central Venous Catheter (CVC)

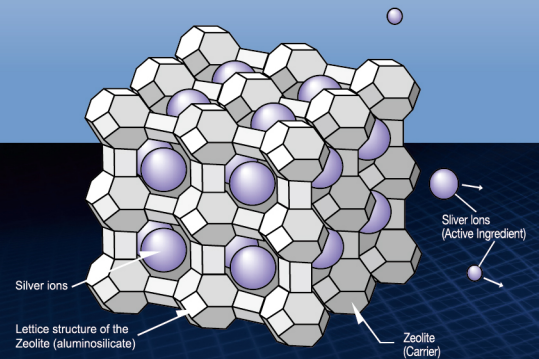
Reducing the infection risk & Keeping patients safe



Silver Compounded Tubing
Nature's Antimicrobial Silver ion
kills or inhibits bacteria from growing



Prime-S catheter is based on an
ion exchange technology showing
active release of Silver ions
from the catheter surfaces



Zeolite crystals containing Silver ions are
randomly oriented and distributed through
the surface of the polymer

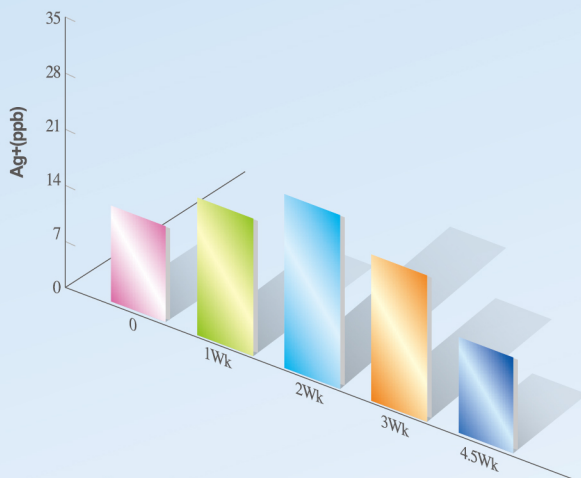
Antimicrobial Central Venous Catheter !

Reduce infection risk & Increase patient protection.

Long lasting of Antimicrobial Efficacy

Prime-S catheter is made of a silver compounded polymer matrix against infection for patients' safety. It releases silver ions from the catheter surfaces through patients not attached by abrasion of the surface.

The nature is extremely safe silver, a powerful antimicrobial metal-ion. It is effective to not only anti-gram positive and anti-gram negative bacteria, but also a side array of fungal organisms.



Implant duration

Safety & Bio-Compatibility

The silver ion attacks multiple targets in the microbe to prevent it from growing to a destructive population.

It inhibits transport function (respiration) in the cell wall, hinders cell division (reproduction), and interrupts cell energy generation.

The silver ion; however, has not effects on normal cells. The indication of measureable results takes within two hours while a log 5 or 99.999% reduction in the test is observed at the end of the 24 hours test protocol

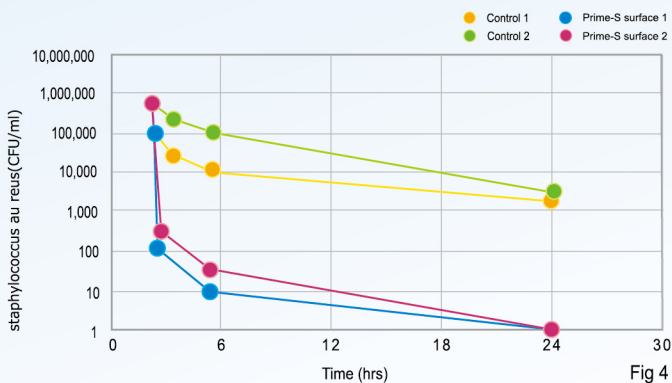


Fig 4

Rapid Reduction of Bacteria on Surface

Single

Model	Catheter Specification		Guidewire		Needle
	Size	Length (cm)	OD (inch)	Length (cm)	
B-S-18G-20-025	18Ga 5Fr	15	0.025"	60	20Ga × 2.5"
B-S-16G-20-032	16Ga 6Fr	20	0.032"		18Ga × 2.5"
B-S-14G-20-032	14Ga 7Fr		0.035"		

Double

Model	Catheter Specification		Guidewire		Needle
	Size	Length (cm)	OD (inch)	Length (cm)	
B-D-7Fr-15-032	7Fr	15	0.032"	60	18Ga × 2.5"
B-D-7Fr-20-032		20			
B-D-7Fr-20-035			0.035"		

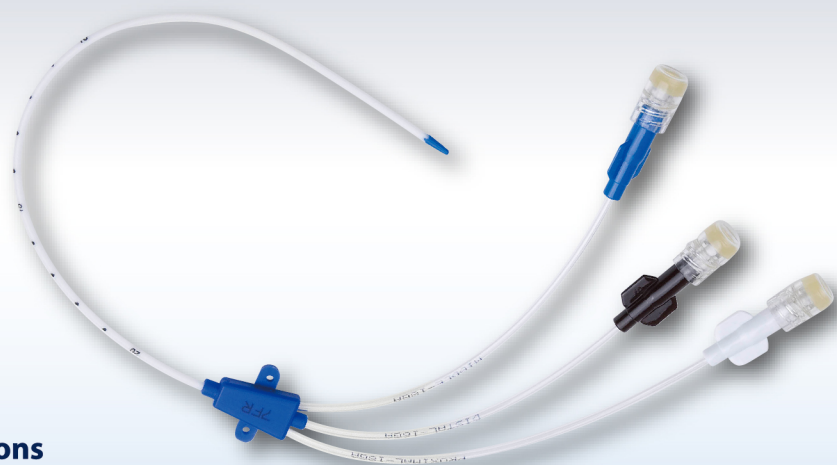
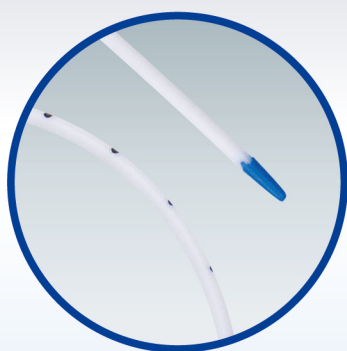
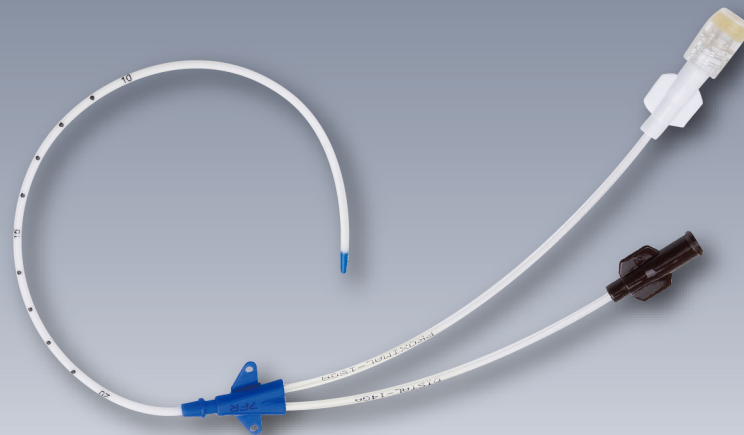
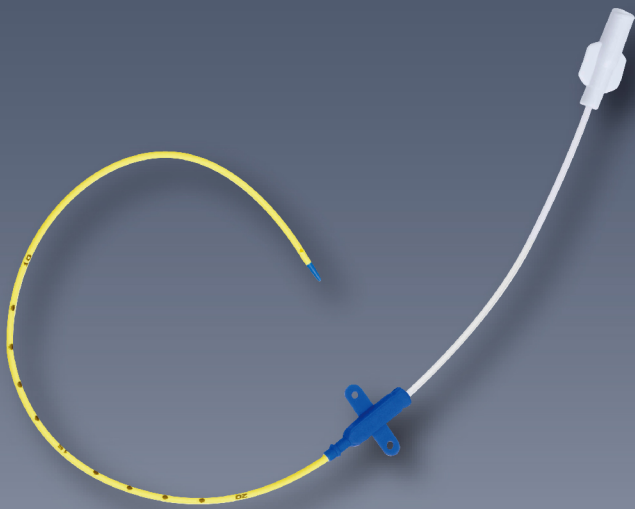
Triple

Model	Catheter Specification		Guidewire		Needle
	Size	Length (cm)	OD (inch)	Length (cm)	
B-T-7Fr-15-032	7Fr	15	0.032"	60	18Ga × 2.5"
B-T-7Fr-15-035			0.035"		
B-T-7Fr-20-032		20	0.032"		
B-T-7Fr-20-035			0.035"		



Central Venous Catheter

Intravascular Catheter



Safety and Efficacy Considerations

Central venous catheter (CVC) can be used for monitoring venous pressure, blood sampling and administration of drug and fluids. It must be performed by trained practitioners, well versed in anatomical landmarks, safe technique and potential complications.

Central Venous Catheter

Intravascular Catheter



Single

Model	Catheter Specification		Guidewire		Needle
	Size	Length (cm)	OD (inch)	Length (cm)	
SWL-1996-01C-02-20 Single	18Ga 5Fr	20	0.025"	60	20Ga × 2.5"
SWL-1996-01C-03-15 Single	16Ga 6Fr	15	0.035"		18Ga × 2.5"
SWL-1996-01C-03-20 Single		20			18Ga × 2.5"
SWL-1996-01C-04-20 Single	14Ga 7Fr	20	0.035"		18Ga × 2.5"

Double

Model	Catheter Specification		Guidewire		Needle
	Size	Length (cm)	OD (inch)	Length (cm)	
SWL-1996-02C-02-10 Double	5Fr	10	0.021"	45	20Ga × 2.5"
SWL-1996-02C-03-15 Double	7Fr	15	0.032"	60	18Ga × 2.5"
SWL-1996-02C-03-20 Double		20	0.035"		

Triple

Model	Catheter Specification		Guidewire		Needle
	Size	Length (cm)	OD (inch)	Length (cm)	
SWL-1996-03C-03-15 Triple	7Fr	15	0.032"	60	18Ga × 2.5"
			0.035"		
SWL-1996-03C-03-20 Triple		20			





Hartz Raum

Peripherally Inserted Central venous Catheter



Indication

Radiopaque-catheter tube contributes to visualization for accurate positioning. Peripherally inserted central venous catheterization (PICC) can be used for monitoring venous pressure, blood sampling and administration of drugs and fluids.

CT compatible with contrast media up to 350 psi

Various Catheter sizes

Model	Catheter Specification		Guidewire		Needle			
	Lumen	Diameter	OD (inch)	Length (cm)				
S-4Fr-(G/W Length)-7	Single	4Fr	0.017"	70	21Ga × 2.75"(70mm)			
S-5Fr-(G/W Length)-7		5Fr						
S-6Fr-(G/W Length)-7		6Fr						
D-5Fr-(G/W Length)-7		Double				5Fr	0.018"	110
D-6Fr-(G/W Length)-7						6Fr		
				140				
				150				

Port

Chemotherapy venous access device



Indication

Instruments of non-implantable vascular access for use with implanted in the body of chronic disease vascular access repetitive such as harvesting have been requested to a sample of blood or injection of drugs.



Description

Portal for drug infusion is composed of a silicon septum material, accessible over-the-instrument non-implantable vascular access. Various accessories can be used to support the main device.

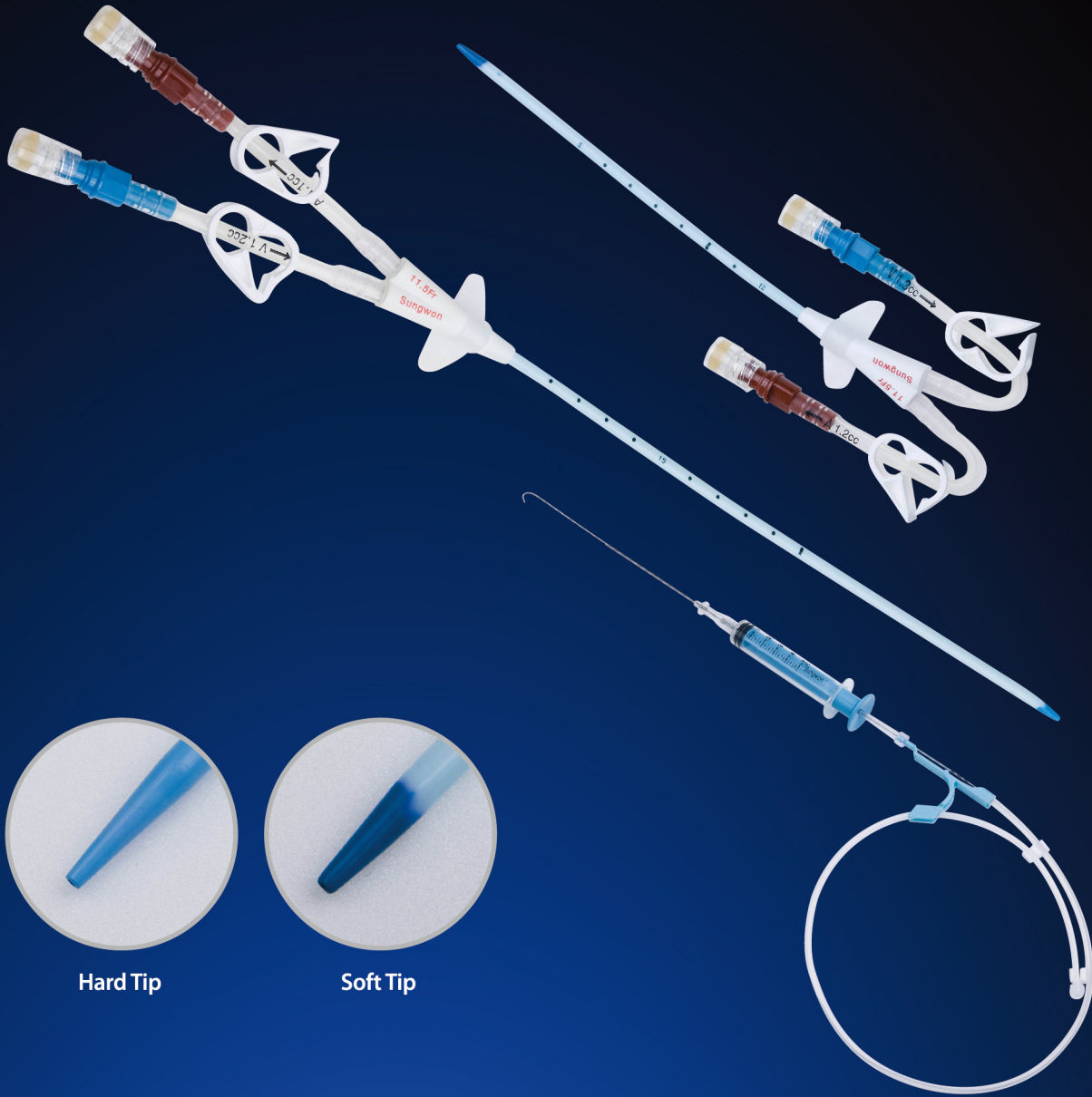
		Size(cm)
		Catheter
Fr		L
5		10
6.5		20
8		30
8.5		40
9.5		60
10.5		78
12		100
		150

Components





Hemodialysis Catheter



Indication

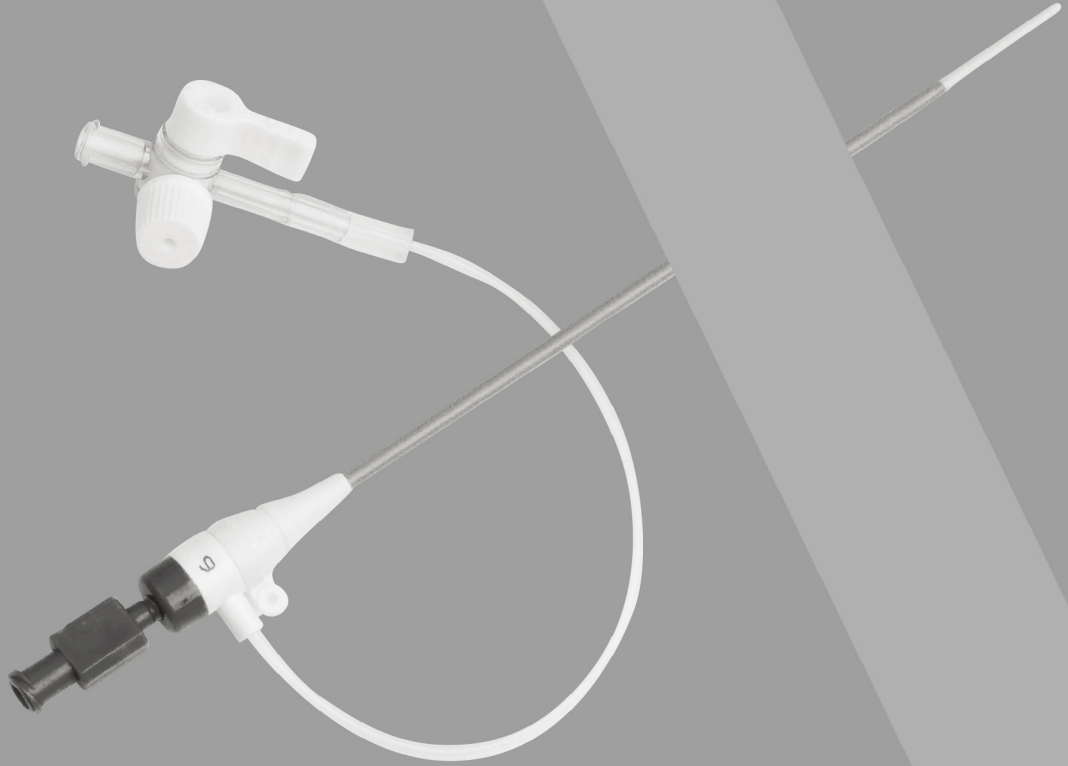
The catheter is intended to access central venous to the interior of the body for short term.

Description

The proximal lumen provides 'arterial' outflow from the patient while the distal lumen provides 'venous' return.

Product Number

Model	Catheter Specification			Guidewire		Needle
	Model	Size	Length (cm)	OD (inch)	Length (cm)	
SWL-1996-02C-04-15 Double	J Type	11.5Fr	15	0.035"	60	18Ga × 2.5"
	S Type					
SWL-1996-02C-04-20 Double	J Type		20			
	S Type					



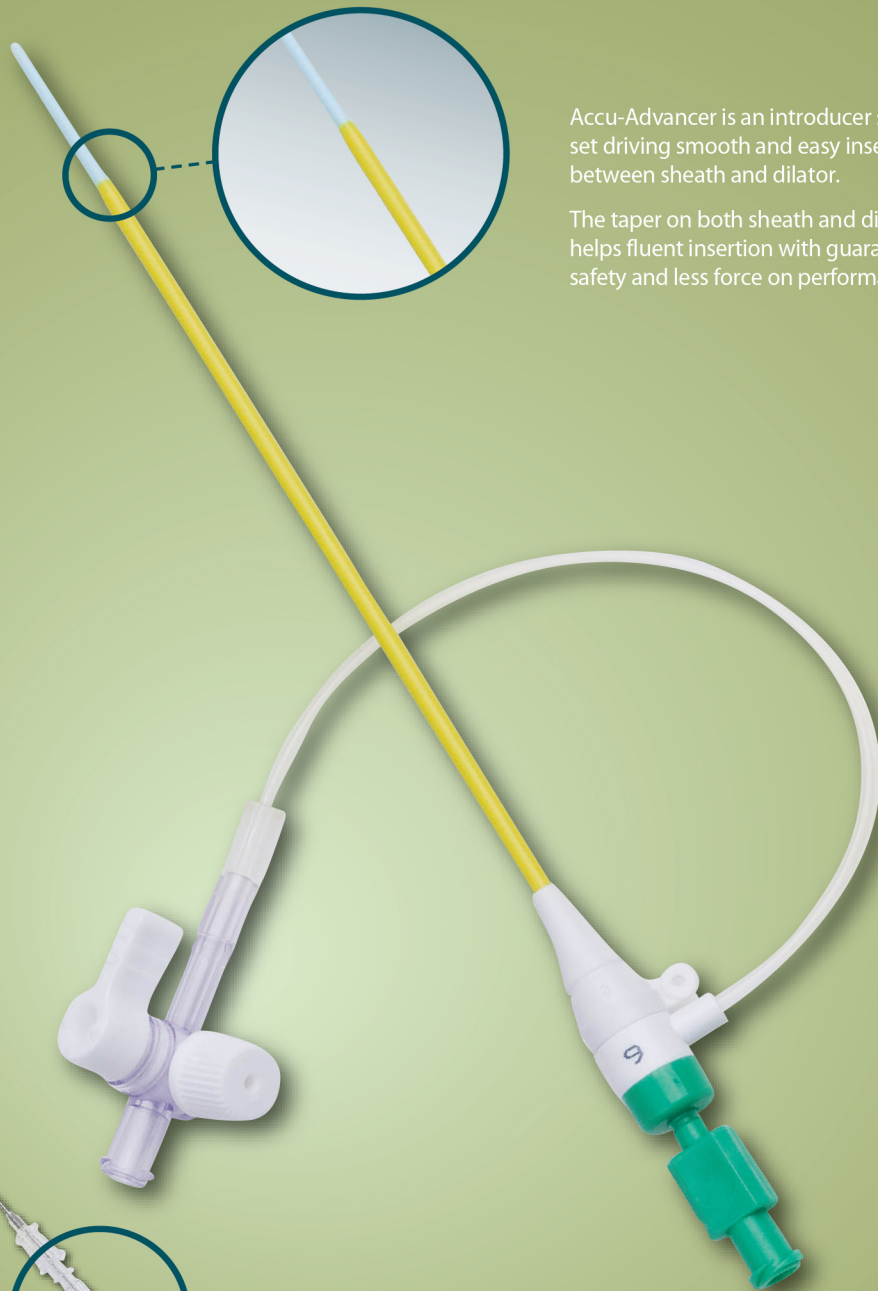
Interventional Access

Accu-Sheath Introducer System
Guide wire
Max-T Angiographic Catheter
Accu-Introducer Catheter
Drainage Catheter
MAS(Micro Access Set)



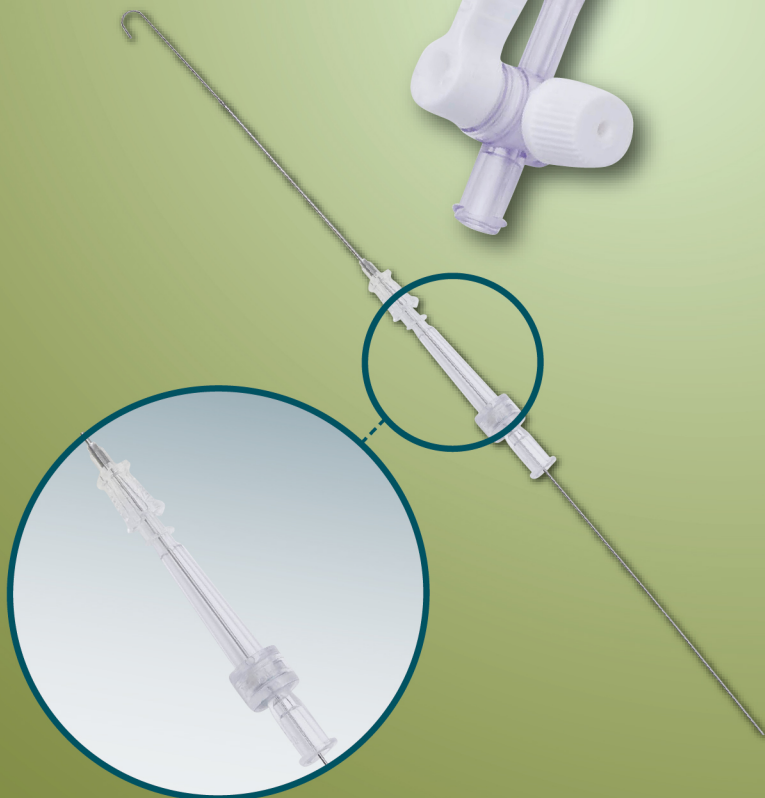
ACCU -SHEATH

Introducer System



Accu-Advancer is an introducer system set driving smooth and easy insertion between sheath and dilator.

The taper on both sheath and dilator helps fluent insertion with guaranteed safety and less force on performance.



Accu-Advancer effectively shields against blood reflux and air aspiration while providing excellent guidewire control, which is especially critical when extracting guidewire.

SHEATH

Model	Catheter Specification	
	Size (Fr)	Length (cm)
Femoral Radial	4	6 / 7 / 8 / 10 / 12 / 13 / 14 / 25
	5	
	6	
	7	
	8	
	9	

Guidewire

Type	Tip & Wire length(cm)	Diameter (Tip)
H (Hairwire)	Curved Tip - 45, 70cm	0.018" (C)
P (Polymer jacket)	Curved Tip - 45cm Straight Tip - 45cm	0.018" (S,C) 0.025" (S,C) 0.035" (S,C)
S (Spring)	Curved Tip - 45cm Straight Tip - 45cm J Shaped Tip - 45, 70cm	0.021" (S,C) 0.025" (S) 0.035" (J)

IV Catheter	Seldinger Needle	Syringe Volume
20 Ga	21 Ga	3 cc
	20 Ga	
18 Ga	18 Ga	

The products can be customized according to user's request.



Guide Wire

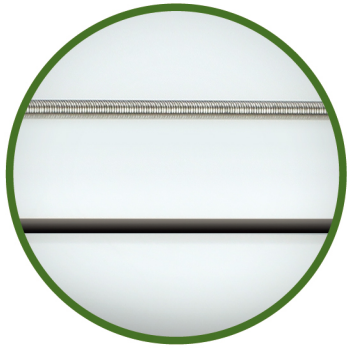
Max-T Guidewire
(Spring Type)



Crescendo Guidewire
(Polymer coated Type)

Description

- J type, Angled (Curved) type, and Straight type are available.
- Radiopaque - catheter tube contributes to visualization for precise positioning.
- Hydrophilic coating – the coating is on the surface, possible to flexibly pass through the lesion into the blood vessel during insertion.
- Nitinol core – the use of Nitinol core protects blood vessel from superficial wound.
- Round tip contributes to smooth insertion, protecting blood vessel.

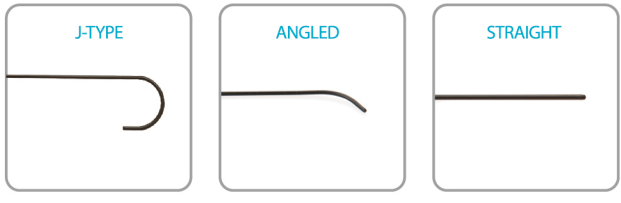


A High performance with consistent quality offers the excellent choice for your procedural needs. Various wire sizes, tip designs, and shaft configurations are available. Each product is in sales with individually sterilized package for a single use

Max-T Guidewire



Crescendo Guidewire



Product Number

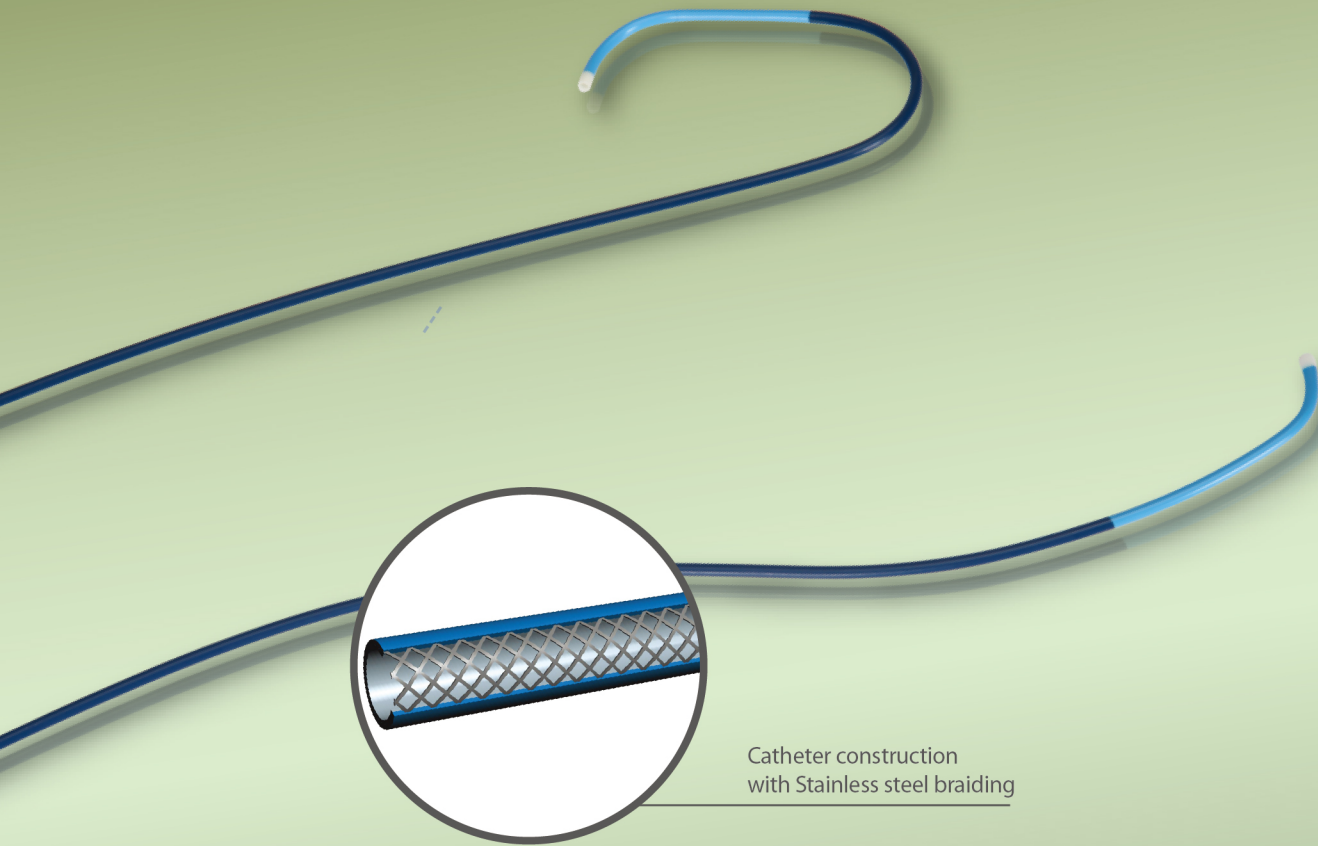
Model	Distal Curved	Outer Diameter (inch)	Length(cm)						Hydrophilic coating	
			45	70	100	120	150	180		260
PHC-S018-100	Straight	0.012			●					●
PHC-S025-120						●				●
PHC-S032-150								●		●
PHC-S035-180				0.014					●	●
PHC-S038-260				0.018						●
PHC-A018-100	Angled	0.021			●				●	
PHC-A025-120					●				●	
PHC-A032-150				0.025				●		●
PHC-A035-180				0.032					●	●
PHC-A038-260				0.038						●
PHC-J018-100	J	0.035			●				●	
PHC-J025-120					●				●	
PHC-J032-150				0.038				●		●
PHC-J035-180									●	●
PHC-J038-260									●	●

Model	Distal Curved	Outer Diameter (inch)	Length(cm)						Note	
			45	60	70	100	150	200		400
GS012-45	Straight	0.012	●							
GS014-60				●						
GS018-70					●					
GS025-100						●				
GS032-150				0.014				●		
GS035-200	Curved	0.018						●		
GS038-400									●	
GC012-45				0.021	●					
GC014-60					●					
GC018-70						●				
GC025-100	J	0.025			●					
GC032-150						●				
GC035-200				0.032				●		
GC038-400				0.035					●	
GJ012-45				0.038	●					
GJ014-60	J	0.038		●						
GJ018-70					●					
GJ025-100						●				
GJ032-150							●			
GJ035-200								●		
GJ038-400							●			



MAX-T

Angiographic Catheter






Catheter construction
with Stainless steel braiding


Description

- Round tip, no bump between segments, superior safety.
- Smooth radiopaque surface to prevent thrombus formation.
- Excellent torque control due to its internal metallic mesh.
- High flow rate with larger lumen



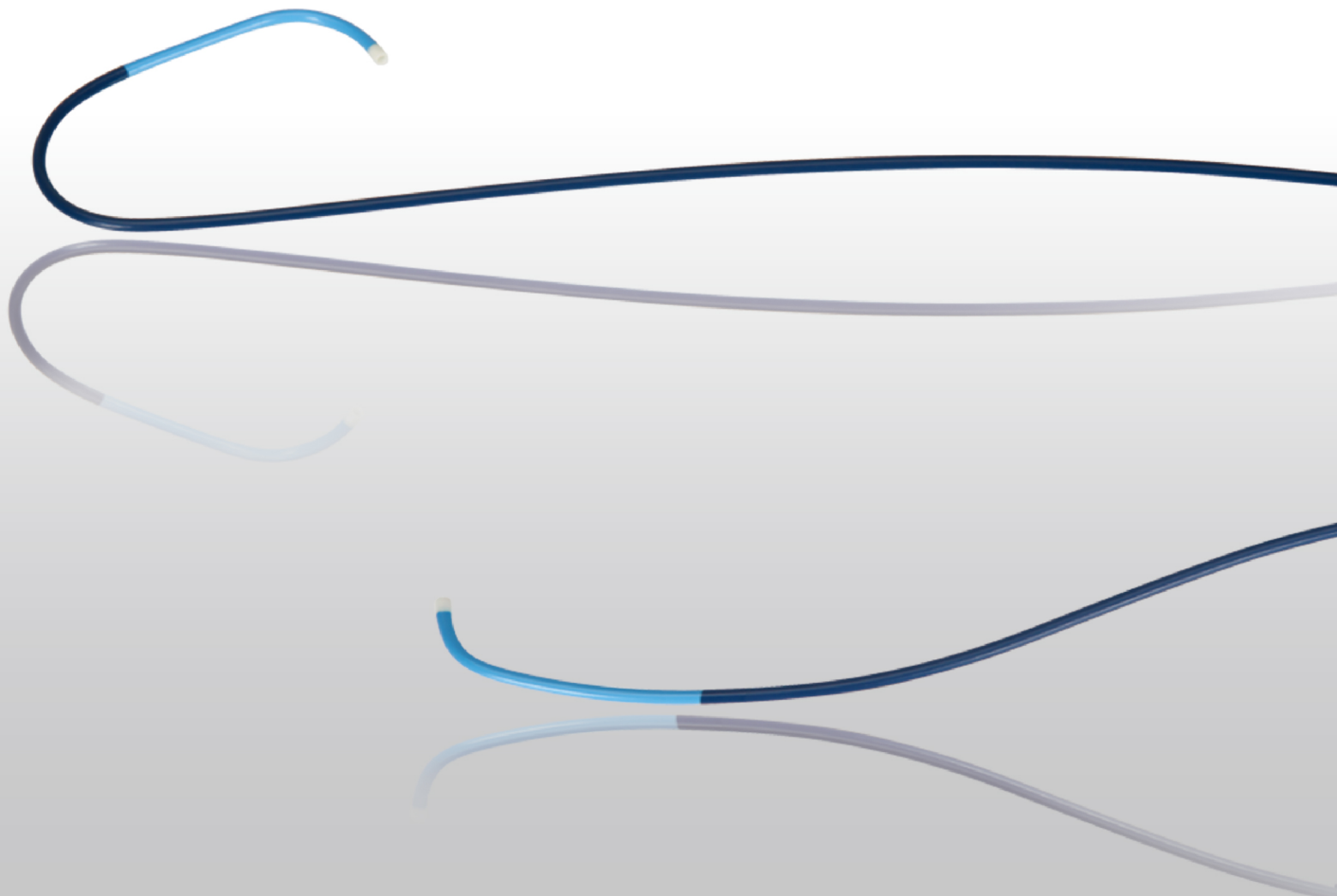
Order Information

	Description	Length
	JR 3.5 Judkins Right	
	JR 4.0 Judkins Right	100cm
	JR 5.0 Judkins Right	
	JR 6.0 Judkins Right	100cm
	JR 3.5 Judkins Left	100cm
	JR 4.0 Judkins Left	100cm
	JR 5.0 Judkins Left	100cm
	JR 6.0 Judkins Left	100cm
	Pigtail	110cm
	Pigtail 145	110cm
	Pigtail 155	110cm

	Description	Length
	MPA 1	100cm
	MPA 3	100cm
	MPB 1	100cm
	MPB 2	100cm
	AL 1	100cm
	AL 2	100cm
	AL 3	100cm
	AR 1MOD	100cm
	AR 2MOD	100cm
	AR MOD	100cm
	IM	100cm
	RCB	100cm
	LCB	100cm

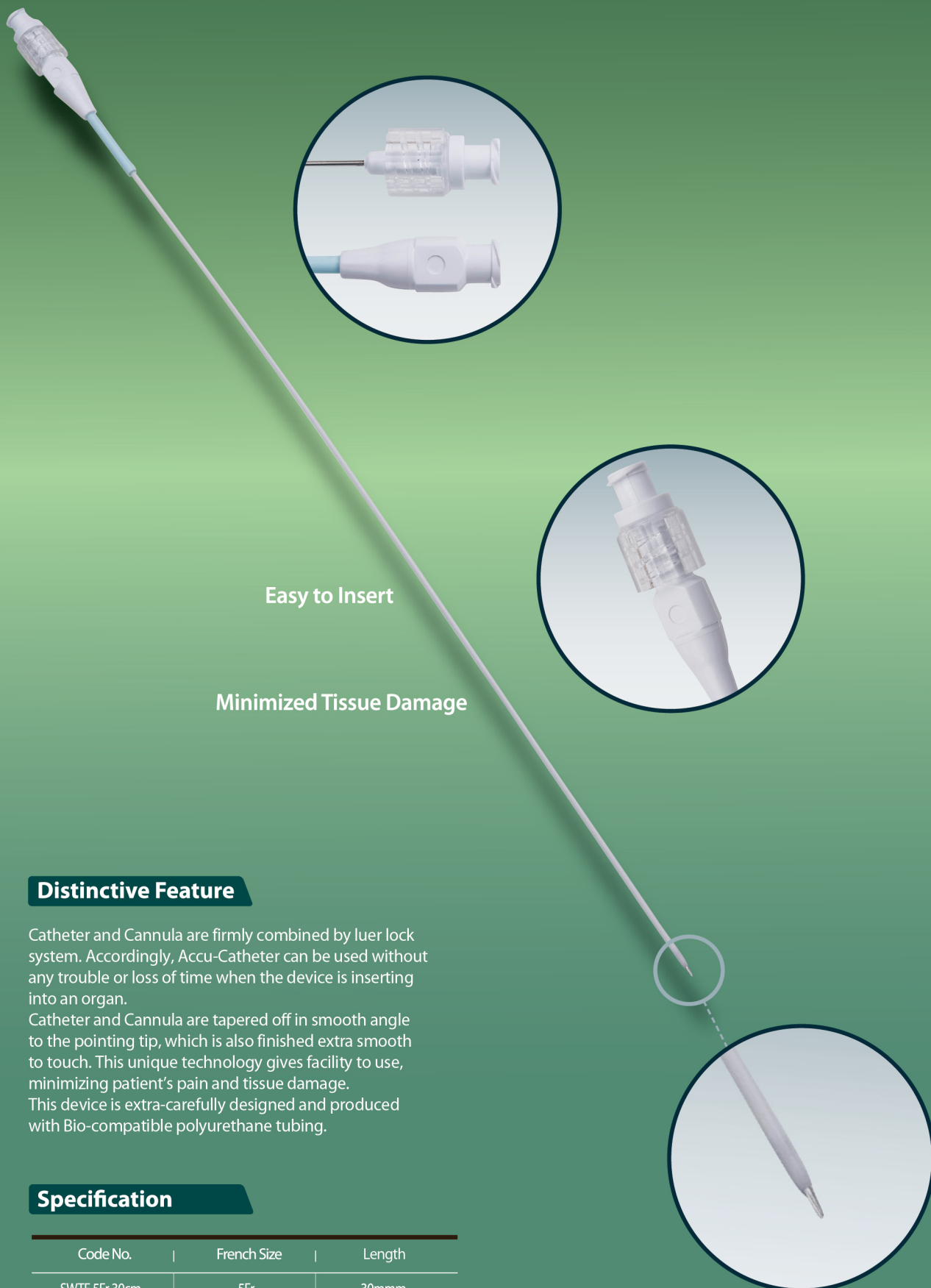


Multipack JR4/ JL4/ Pig	100/100/110cm
Multipack 145 JR4/ JL4/ Pig	100/100/110cm
Multipack 155 JR4/ JL4/ Pig	100/100/110cm





Accu-Introducer Catheter



Easy to Insert

Minimized Tissue Damage

Distinctive Feature

Catheter and Cannula are firmly combined by luer lock system. Accordingly, Accu-Catheter can be used without any trouble or loss of time when the device is inserting into an organ.

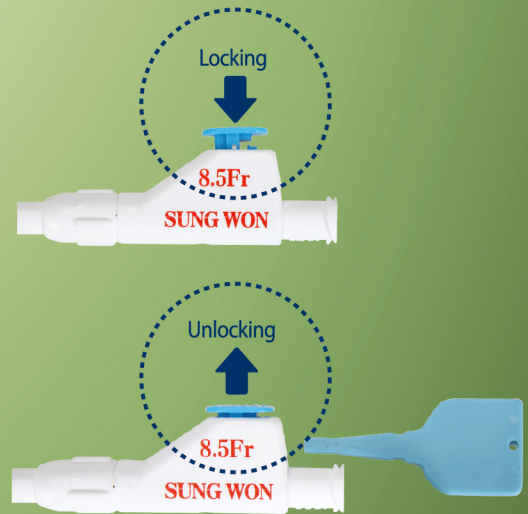
Catheter and Cannula are tapered off in smooth angle to the pointing tip, which is also finished extra smooth to touch. This unique technology gives facility to use, minimizing patient's pain and tissue damage.

This device is extra-carefully designed and produced with Bio-compatible polyurethane tubing.

Specification

Code No.	French Size	Length
SWTF 5Fr 30cm	5Fr.	30mm

Drainage Catheter



Description

- Several types according to the intended use: Biliary Drainage and Nephrostomy Drainage with locking system
- Softness in use
Various type: Straight, Curved, and Pigtail type

Specification

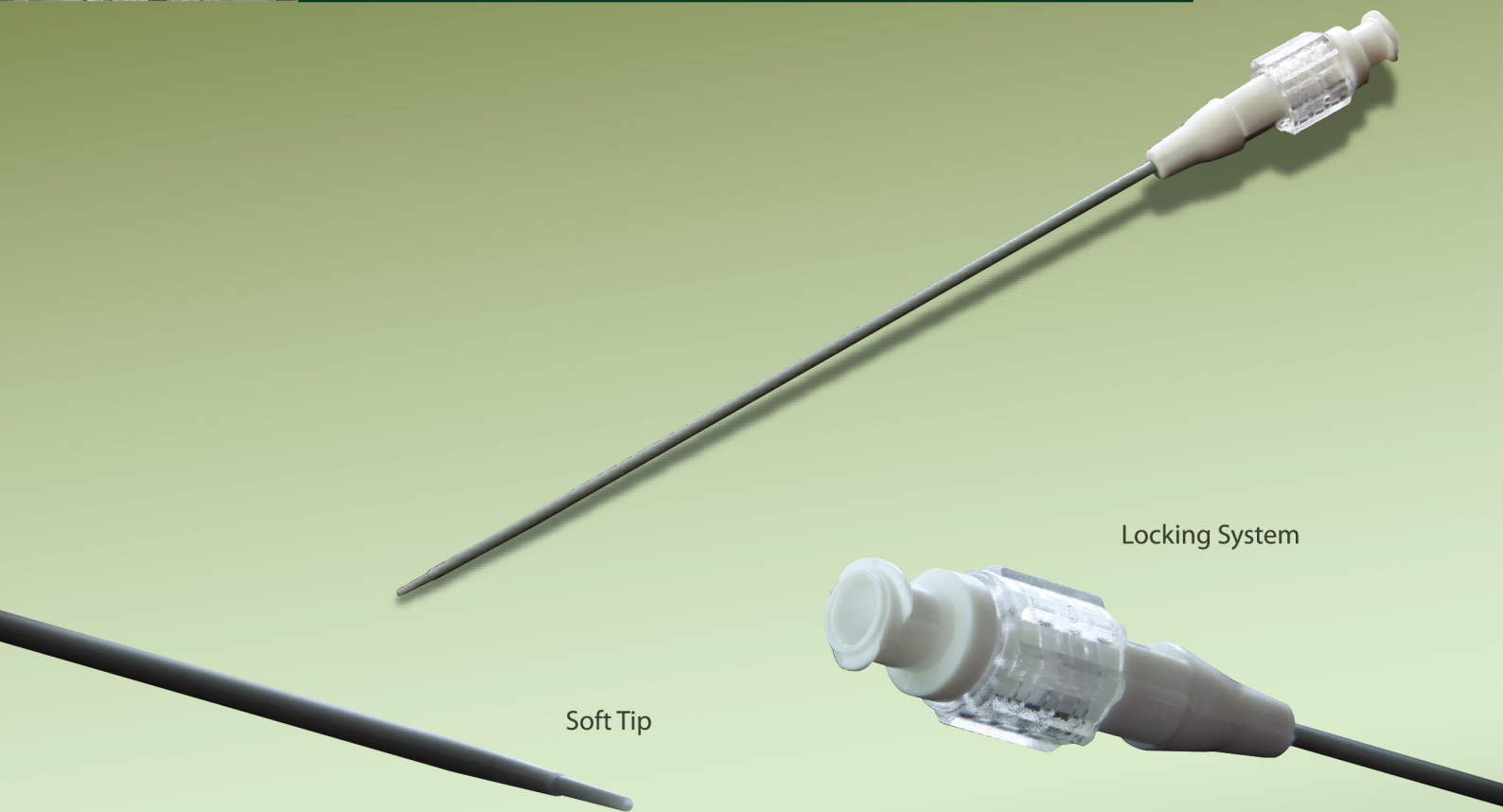
Model	Length (cm)	Size (Fr)	Pigtail Size (cm)
Pigtail (PI) Curved (CU) BSL Type (BSL) Straight (ST)	25, 30, 40	6	1, 2
		7	
		8.5	
		10.2	
		12	
		14	
		16	

Length(cm) and Size(Fr) are different depending on the type of product.



MAS

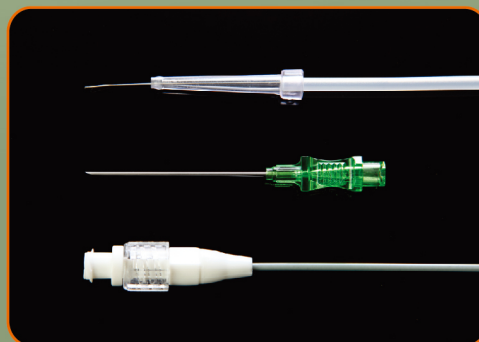
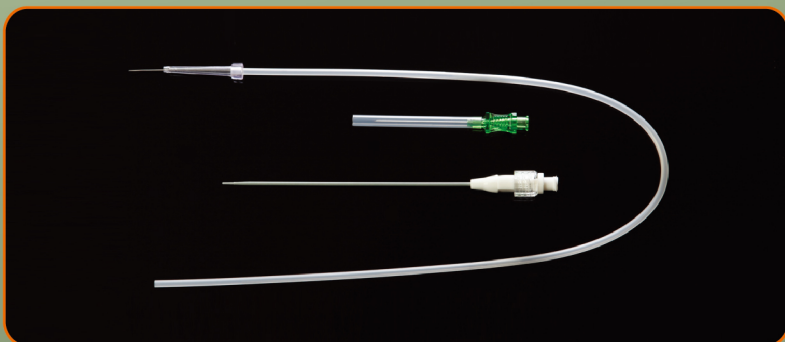
Micro Access Set

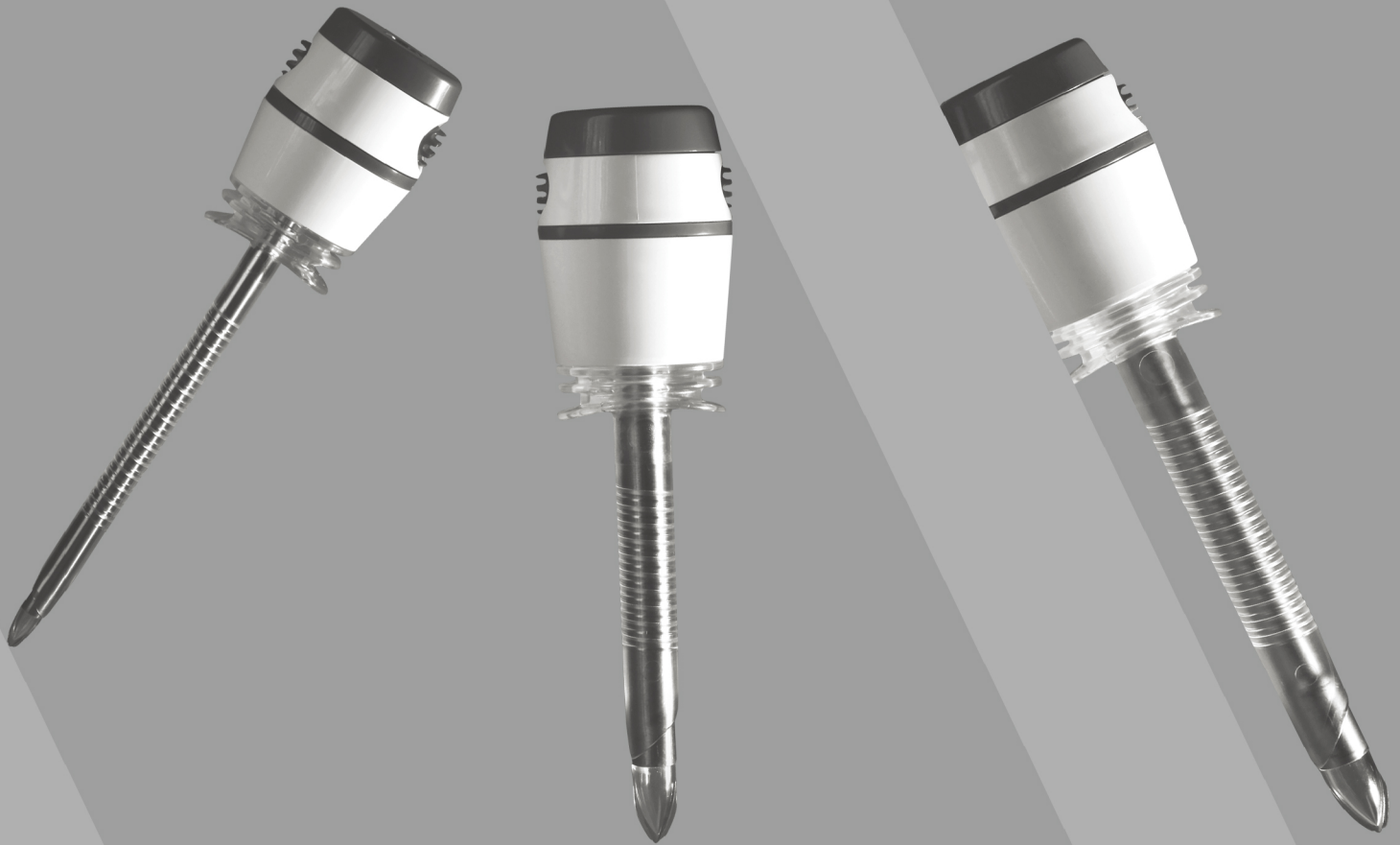


Product Spec.

Model	Catheter Specification		Guidewire		Needle			
	Size	Length (cm)	OD (inch)	Length (cm)	Gauge	Length (cm)		
MICS-4Fr10-H45N1	4Fr	10	0.018"	45	21 Ga	7.0		
MICS-4Fr10-H45N2						4.1		
MICS-4Fr10-H60N1				60		7.0		
MICS-4Fr10-H60N2						4.1		
MICS-5Fr10-H45N1	5Fr			45		60	21 Ga	7.0
MICS-5Fr10-H45N2								4.1
MICS-5Fr10-N60N1				60		7.0		
MICS-5Fr10-N60N2						4.1		

Product constitution





General Surgery

Therafuser
Trocar-set
Inno-Vac
Sigma Port Access Infusion set
Inno-Max

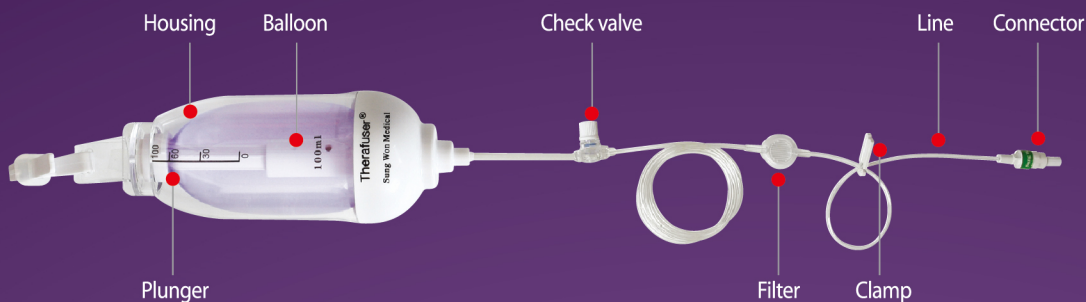


Therafuser

Pain Control Administration Set

Accurate flow-rate control technology efficacy

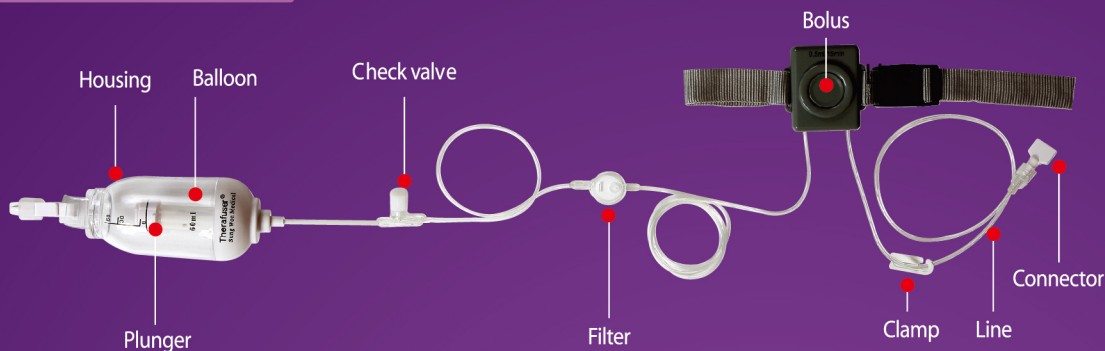
Continuous-Type



Model	Balloon Volume	Basal Rate	Balloon Volume	Line Specification	
				ID	OD
SWTF-100C20	100 ml	2.0 ml/h	1.2 μ m	1.0 \pm 0.02mm	2.8 \pm 0.02mm
SWTF-275C20	275 ml	2.0 ml/h	1.2 μ m	1.0 \pm 0.02mm	2.8 \pm 0.02mm

When patient wants medical injection manually (0.5~10.0ml/h), it can provide specific adjustment.

Patient control-Type

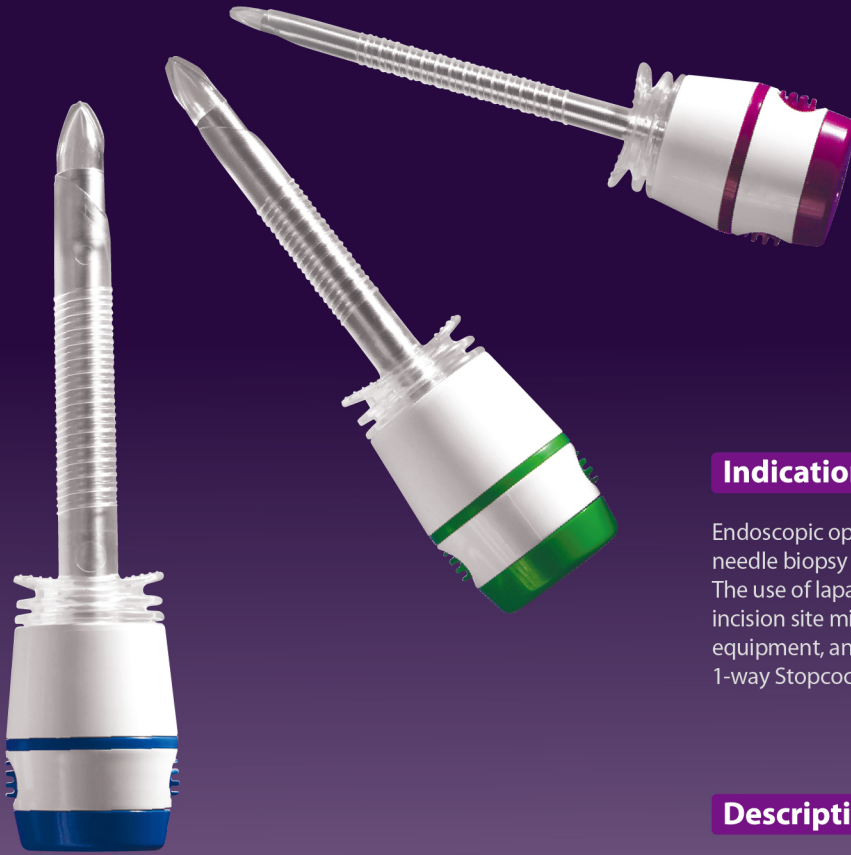


Model	Balloon Volume	Basal Rate	Bolus Interval	Balloon Volume	Line Specification	
					ID	OD
SWTF-100P2015H	100 ml	2.0 ml/h	15 minutes	0.5 ml / 15 min	1.0 \pm 0.02 mm	2.8 \pm 0.02 mm
SWTF-275P2015H	275 ml	2.0 ml/h	15 minutes	0.5 ml / 15 min	1.0 \pm 0.02 mm	2.8 \pm 0.02 mm

When patient requires accurate medicinal injection (0.5~20.0ml/h), it can provide specific adjustment. Specially, it has self-control system for the patient who needs to adjust Bolus Rate by Bolus interval.

Trocar-Set

Safe-Port



Indication

Endoscopic operation for insertion of medical equipment used in needle biopsy contains cannula, bushing, etc. The use of laparoscopic operation of the product, abdominal incision site minimization, inserting the endoscopic and disposal equipment, and disposable transparent tube needle marked 1-way Stopcock Sleeve (Cannula), Trocar needle, Veress Needle.

Description

- When using bushing, the bushing site incision is clean, bushing parts of the recovery has fast speed.
- The use of the 5mm~12mm structure makes operation simple.
- Simple structure of operation can be isolated thoracic surgery operation without injection of gas.
- Operation angle is wide, designed for the Korean figure.
- Ensures high operation vision through the free use.
- Excellent durability



Product Number

Length	Diameter	Type
5	55	S
8		
10	75	K
11		
12	100	R
15	150	

Veress Needle

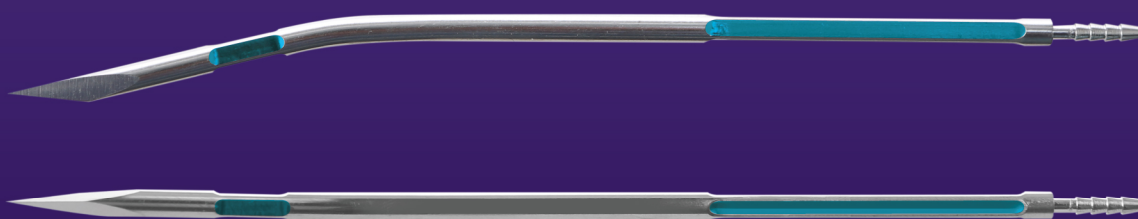
Abdominal puncture with the inflating needle.



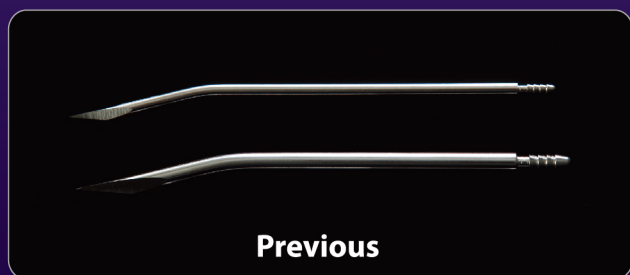


INNO-VAC

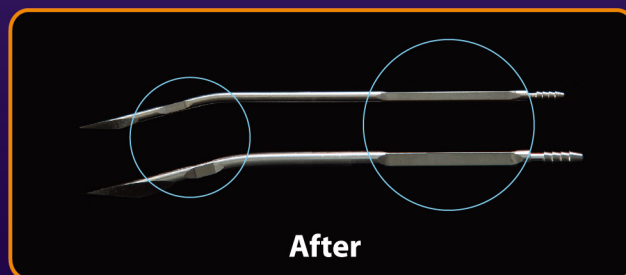
Closed Wound & Negative Pressure Drainage System



United States patent : 'Guiding Needle for Suction Tube'



Previous



After



Spring Type



Bulb Type

Various kinds of drain tubes are available.



- Several kinds of drain tube: all types of drain are available.
- X-ray: to ensure the drain is critical
- Ridge Design: to ensure more smooth and effective drainage

Feature

- Anti-sliding technology on the trocar to reduce stress during procedure (Patent, 10-1540199)
- Engraving processing on the trocar handle witch can identify the direction in any situation.
- Sustained and stable negative pressure
- Smooth drainage

Various models are available, please request us spec of product.

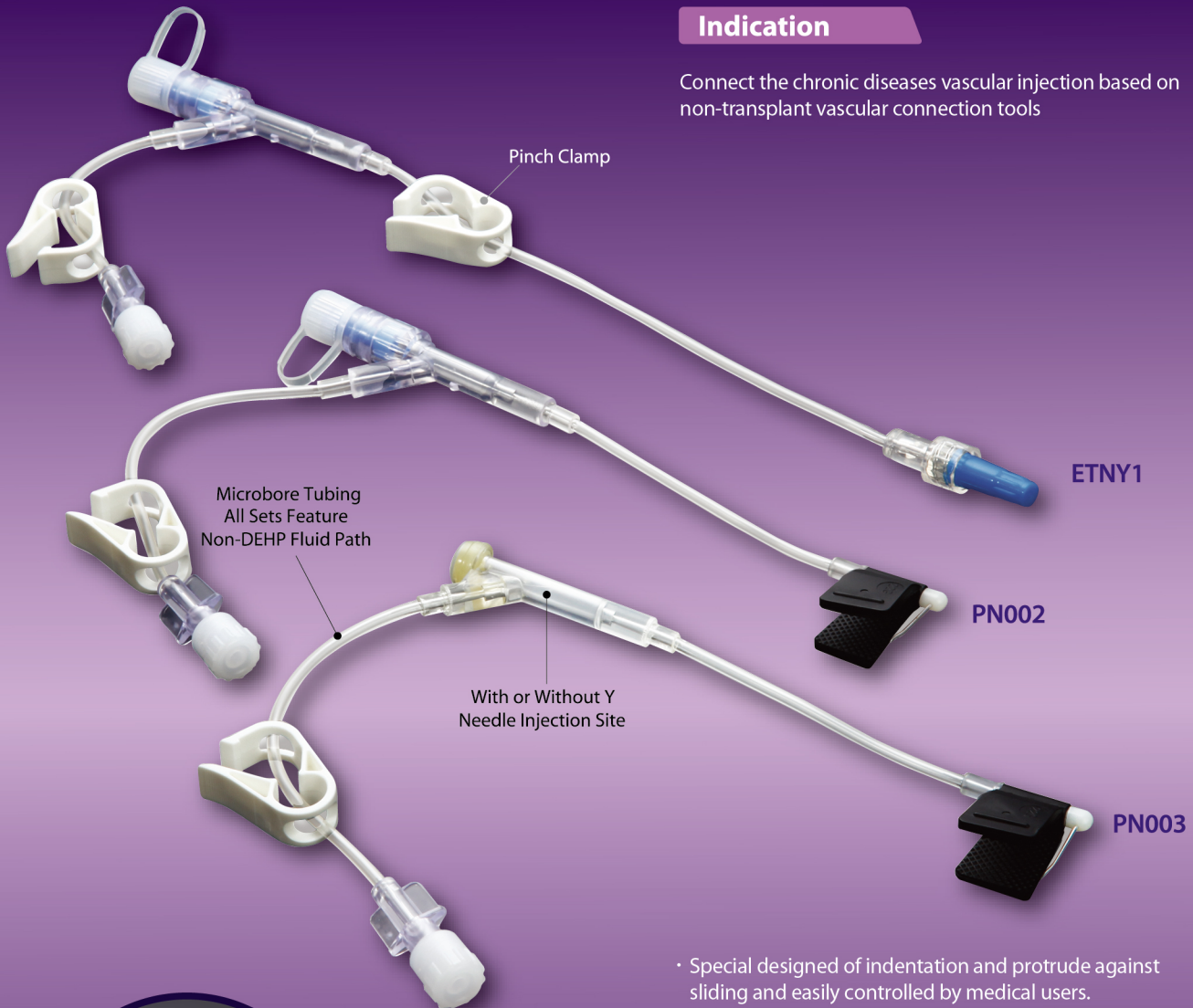
Sigma Port Access

Infusion set



Indication

Connect the chronic diseases vascular injection based on non-transplant vascular connection tools



※ The fixed clamp is option

- Special designed of indentation and protrude against sliding and easily controlled by medical users.
- Flat touch designed for comfort of patients.
- The wings are made of moderate soft materials. Other different soft materials are also available by user's request.
- The wings cellular contributes to the tactile of medical users.
- According to ISO 6009, the wings are made of various colors.
- Additional specifications are available by medical practitioner's request.

INNO SIGMA PORT ACCESS INFUSION SET ETNY1

Order Number	Code	Description
SPA-N-P-1	ETNY10	Needleless Y-Site with Male & Female Luer Lock

INNO SIGMA PORT ACCESS INFUSION SET PN002

Order Number	Needle Gauge	Needle Length	Wing Color	Code
SPA-N-19-1	19Ga	3/4"	■ Cream	PN002(1)
SPA-N-19-2		1"	■ Cream	PN002(2)
SPA-N-19-3		1 1/2"	■ Cream	PN002(3)
SPA-N-20-1	20Ga	3/4"	■ Yellow	PN002(4)
SPA-N-20-2		1"	■ Yellow	PN002(5)
SPA-N-20-3		1 1/2"	■ Yellow	PN002(6)
SPA-N-22-1	22Ga	3/4"	■ Black	PN002(7)
SPA-N-22-2		1"	■ Black	PN002(8)
SPA-N-22-3		1 1/2"	■ Black	PN002(9)

INNO SIGMA PORT ACCESS INFUSION SET PN003

Order Number	Needle Gauge	Needle Length	Wing Color	Code
SPA-N-19-1	19Ga	3/4"	■ Cream	PN003(1)
SPA-N-19-2		1"	■ Cream	PN003(2)
SPA-N-19-3		1 1/2"	■ Cream	PN003(3)
SPA-N-20-1	20Ga	3/4"	■ Yellow	PN003(4)
SPA-N-20-2		1"	■ Yellow	PN003(5)
SPA-N-20-3		1 1/2"	■ Yellow	PN003(6)
SPA-N-22-1	22Ga	3/4"	■ Black	PN003(7)
SPA-N-22-2		1"	■ Black	PN003(9)
SPA-N-22-3		1 1/2"	■ Black	PN003(8)

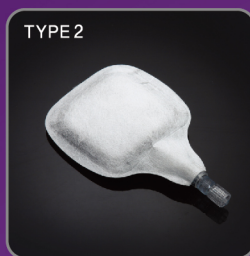


Inno-Max

Multi Filter Set



Product Type

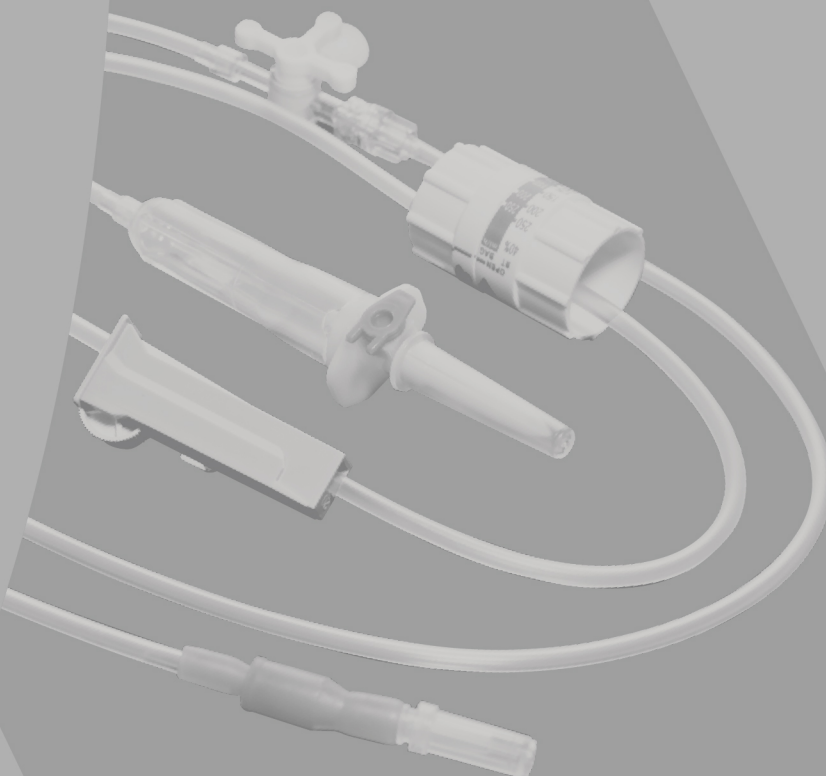


Filter advantage

- ▶ Low priming volume and superior air elimination ensure accurate drug delivery-critical for home and alternate-site infusion therapy.
- ▶ Hydrophobic vent evacuates entrained air, removing potentially harmful air contamination during preparation and set-up.
- ▶ Highly porous membrane structure provides filtrations efficiency, high throughputs and flow rates.
- ▶ Materials of construction contain no harmful materials such as rubber latex, latex derivatives, PVC, or hydroxyvinyl chloride.
- ▶ Provides a barrier to microorganisms and particulates during parenteral manufacture.
- ▶ 0.2 μm super membrane is retentive of *B. diminuta* and it meets USP 25/NF20 requirements for a sterilization grade filter per ASTM F838-83 test methods.

Hospital supplies

Innofuser
Infu-Jet
Inno-Filter
INNO - Max Filter
INNO - ONE WAY VALVE
Pressure-Line
High Pressure Infu-Jet
Transfer Set
3Way stopcock
3Way Line





Inno-Fuser

Intravascular administration set



Indication

Connect the liquid container body, dropping bottle, roller clamp, a flow regulator, 3-way stopcock, Y-site, disposable sterilized products IV Filter hose, etc. to vein needle or catheter.

Description

- NON-DEHP / DOP material and accessories such as instant connecting tube, long time exposure (injection) do not cause liver toxicity.
- Do not discharge the human endocrine disturbing environment hormone to pregnant women, and the old infirm for safe transfusion.



Filter advantage

- ▶ Low priming volume and superior air elimination ensure accurate drug delivery - critical for home and alternate-site infusion therapy.
- ▶ Hydrophobic vent evacuates entrained air, removing potentially harmful air contamination introduced during setting-up.
- ▶ Highly porous membrane structure provides filtration efficiency, high throughputs and flow rates.
- ▶ Materials for constructions contain no natural rubber latex, latex derivatives, PVC, or hydroxyvinyle chloride.
- ▶ 0.2 μm super membrane is retentive of B. diminuta and it meets USP 25/NF20 requirements for a sterilizing grade filter per ASTM F838-83 test methods.

Inno-Filter

Infusion Device with Filter



Description

The drug is injection directly for injection with attached filter is inserted into blood vessels to prevent air during drug infusion (Air), including various bacteria and foreign substances, such as connectors, IV filter, connectors configurations, especially drug the attachment filter for injections Micro IV membrane Filter is direct disposable sterile injection mechanism for injection drugs.

Features and Benefits

- Low priming volume and superior air elimination ensure accurate drug delivery critical for home and alternate-site infusion therapy.
- Hydrophobic vent evacuates entrained air, removing potentially harmful air contamination introduced during priming and set-up
- Highly porous membrane structure provides filtration efficiency, high throughputs and flow rates.
- Materials of construction contain no natural rubber latex, latex derivatives, PVS, or hydroxyvinyl chloride.
- Provides barrier to microorganisms and particulate during parenteral manufacture.

Biological safety

- Materials of construction pass USP biological Reactivity Test, In Vivo<88>
- Materials of construction: Super membrane
Housing: ABS
Vent: 0.02 supported PTFE

Specifications

Code No.	Filter Type	Pore Size(μm)	Order No
SWR-IVAF-02	Quadrangle Type	0.2	A02
SWR-IVAF-12		1.2	A12
SWR-IVAF-50		5.0	A50
SWR-IVPF-02	Circle Type	0.2	P02
SWR-IVPF-12		1.2	P12
SWR-IVPF-50		5.0	P50

SWR-IVDF



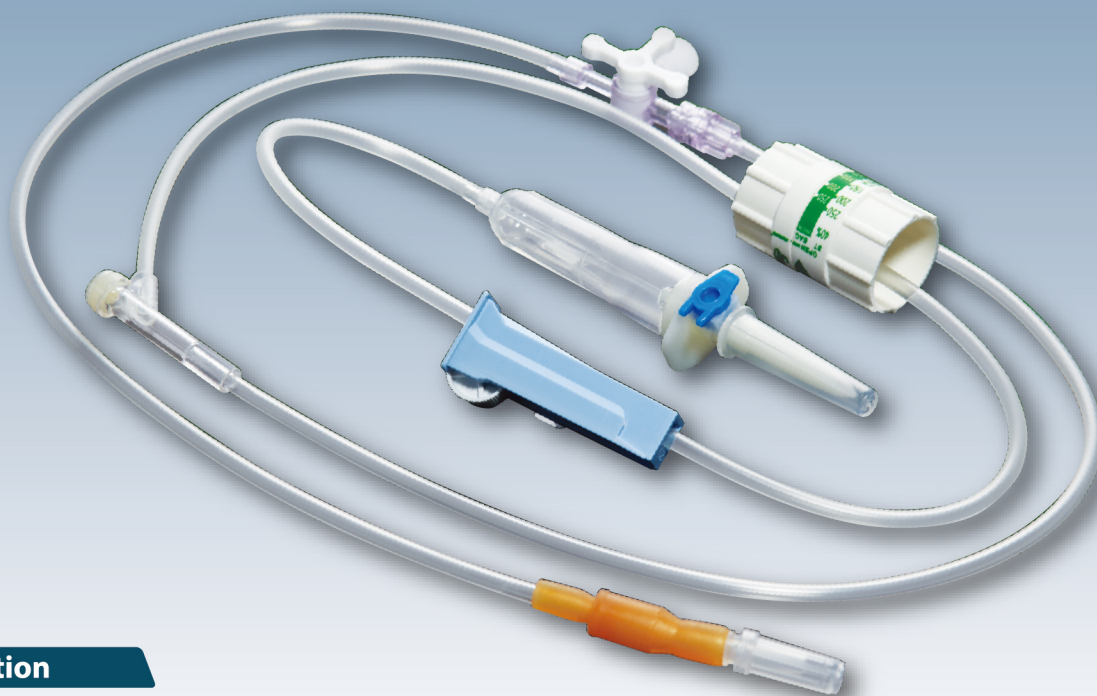
SWR-IVEF





Infu-jet Regulator set

Intravascular administration set

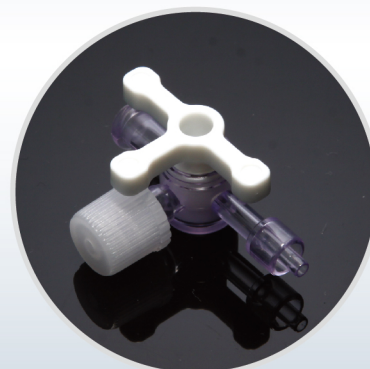


Indication

The infusion set is a PVC-Free environmental protection material
The drug was not adsorbed on the tube, so it can be as expensive drug without loss can enter the correct dosage.

Features and Benefits

- PVC-Free material, does not contain plasticizer composition, induced liver toxicity in transfusion long time exposure is not as well as cancer causing substance DEHP and other harmful substances.
- PVC-Free material, with the fire will not produce oxidation compound will not affect the environment.
- Domestic technology products, Regulator flow indicator system (indicator) at a glance the flow (ml / hr) the standard deviation of the high accuracy.



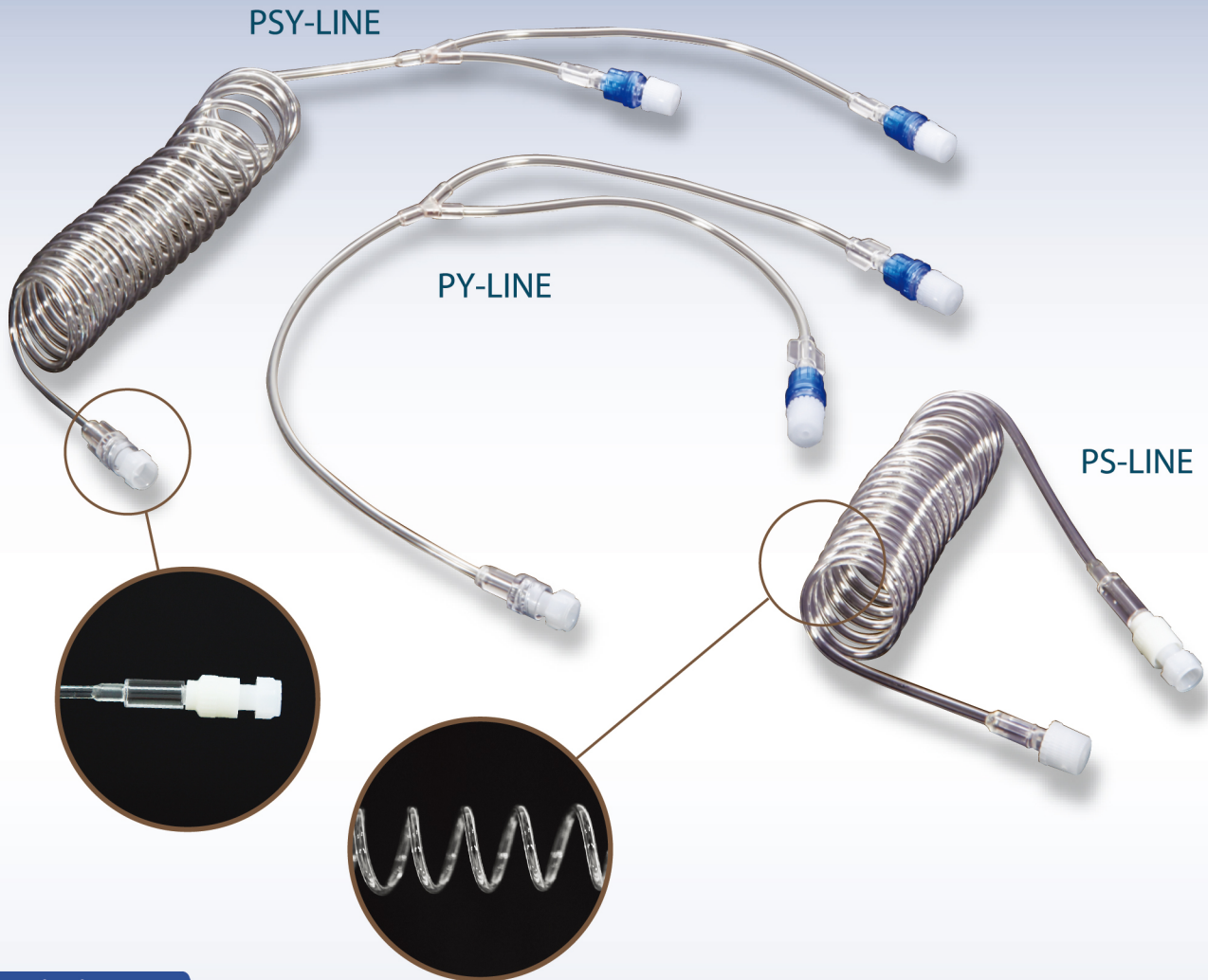
3-Way Stopcock

Model

No.	Model	Length	Regulator	3-Way Stopcock	Y-Site	Tubing	Fixed type connector	Rotary type connect	Note
1	PU ; YR-2	250	●	●	●	●			Tubing
2	PU ; YWR-1	260	●	●	●	●			Tubing
3	PU ; YWR-5	280	●	●	●	●			Tubing
4	PU ; WL-R2	210	●	●				●	Rotary type connect
5	PU ; WR-2	250	●	●		●			Tubing
6	PU ; YWL-R2	250	●		●			●	Rotary type connect
7	PU ; YR-1	200	●		●	●			Tubing
8	PU ; YWL-1	215	●	●	●		●		Fixed type connect
9	PU ; YWR-3	250	●	●	●	●			Tubing
10	PU ; YRL-R1	220	●			●		●	Tubing + Rotary type connect
11	PU ; YR-3	250	●		●	●			Tubing
12	PU ; WYR-6	260	●	●	●	●			Tubing
13	PU ; WR-1	250	●	●		●			Tubing
14	PU ; YW-R1	195	●	●	●			●	Rotary type connect
15	PU ; WL-1	250	●	●			●		Fixed type connect

Pressure-Line

Bio compatible Material



Description

The use of Pressure-line for injection of blood and medicine, using more than two kinds of drugs can make smooth connection to other injecting devices.

- Non-Pyrogenic
- No-Leakage
- Suitable structure for all injecting syringe
- Biocompatible materials
- UP to 300 PSI

PS-LINE

Model No.	Length	Type
SWWL P25	25cm	L
SWWL P100	100cm	
SWWL P150	150cm	
SWWL P200	200cm	
SWWL PS150	150cm	S
SWWL PS200	200cm	

PY-LINE

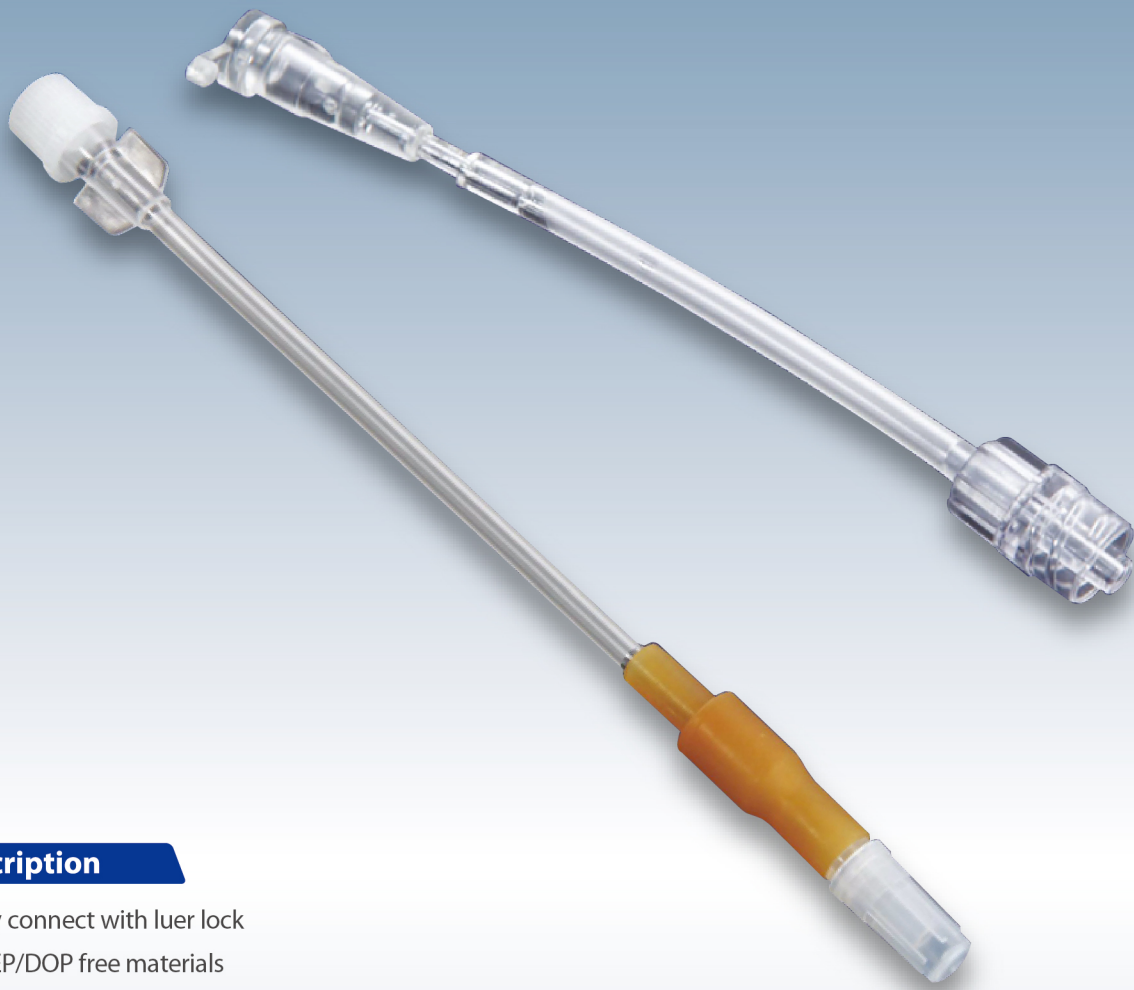
Model No.	Length
SWWL-PY20	20cm
SWWL-PY50	50cm
SWWL-PY70	70cm
SWWL-PY100	100cm
SWWL-PY150	150cm
SWWL-PY200	200cm
SWWL-PY250	250cm

PSY-LINE

Model No.	Length
SWWL-PSY50	50cm
SWWL-PSY70	70cm
SWWL-PSY100	100cm
SWWL-PSY150	150cm
SWWL-PSY00	200cm
SWWL-PSY250	250cm
SWWL-PSY300	300cm

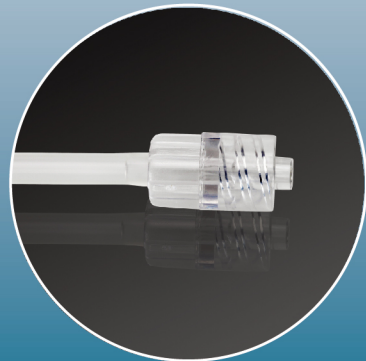
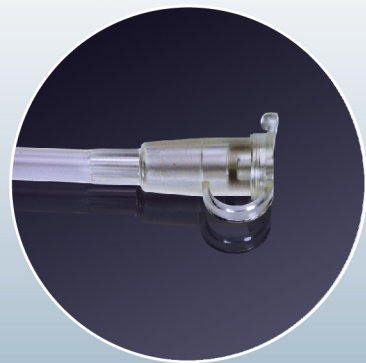
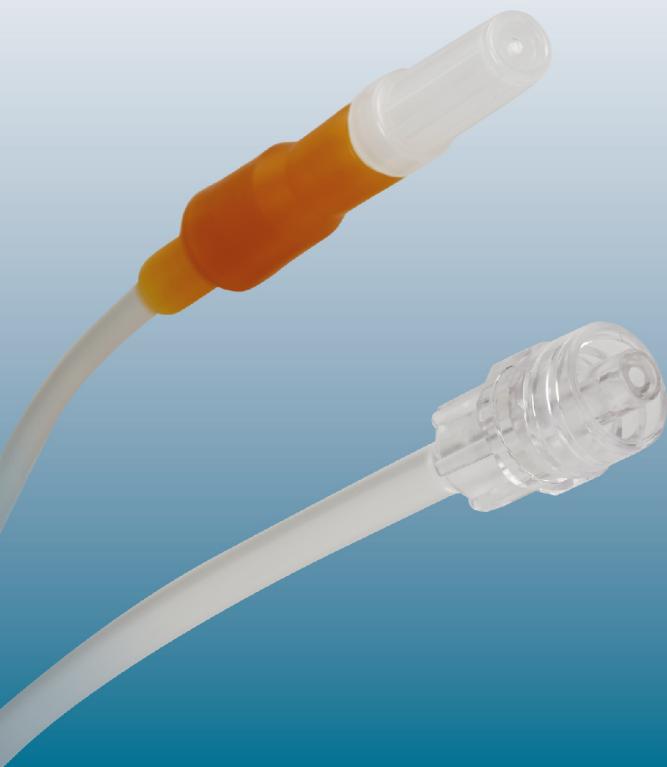


Extension Line



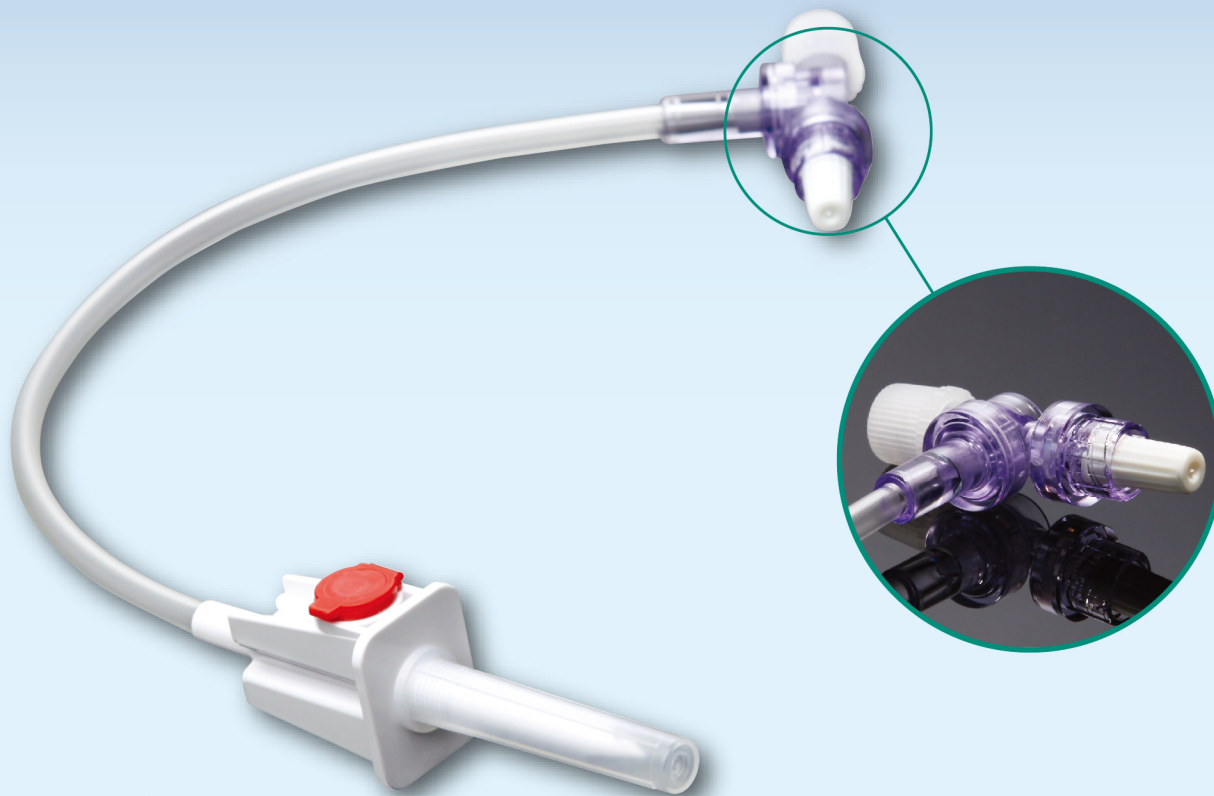
Description

- Easy connect with luer lock
- DHEP/DOP free materials
- Long time exposure does not cause liver toxicity.



Inno-Transfer set

Check valve 3-way stopcock



Description

INNO-Transfer set is a direct injecting device to use for a contrast medium and other medical devices.

Features and Benefits

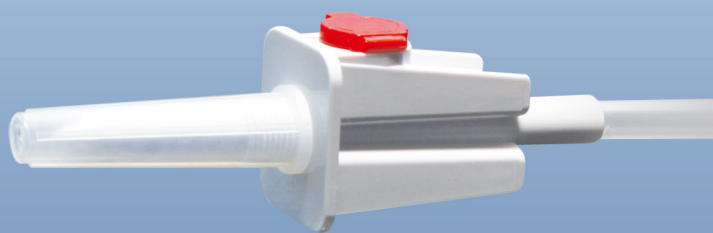
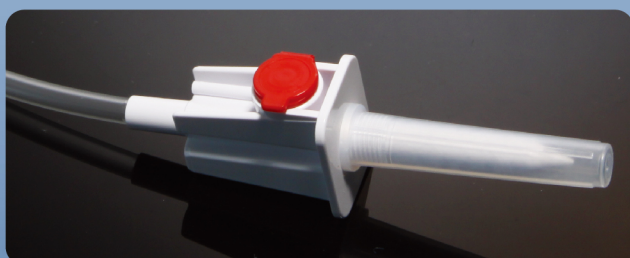
High flow rate across a wide range of pressures.

3-way stopcock check valves are precision-molded, one-piece silicone valves providing reliable backflow prevention at low-pressure differentials. Our 3-way check valves allow free flow with positive differential pressure. With negative differential pressure, backflow is checked. Pressure drop across the valve is a unique feature, compared to one-way check valves. They are designed to operate in a few millimeters (inches) of water to several hundred kPa (Psi), depending on valve size, geometry, and compound characteristics. 3-way check valves are also designated to start functioning at specific opening and closing pressure ranges, depending on your specifications.

- Normally open 3-way stopcock check valves
- Prevention of backflow leakage when minimal backpressure is applied
- Easily installed into hole and sealed by compressing flange

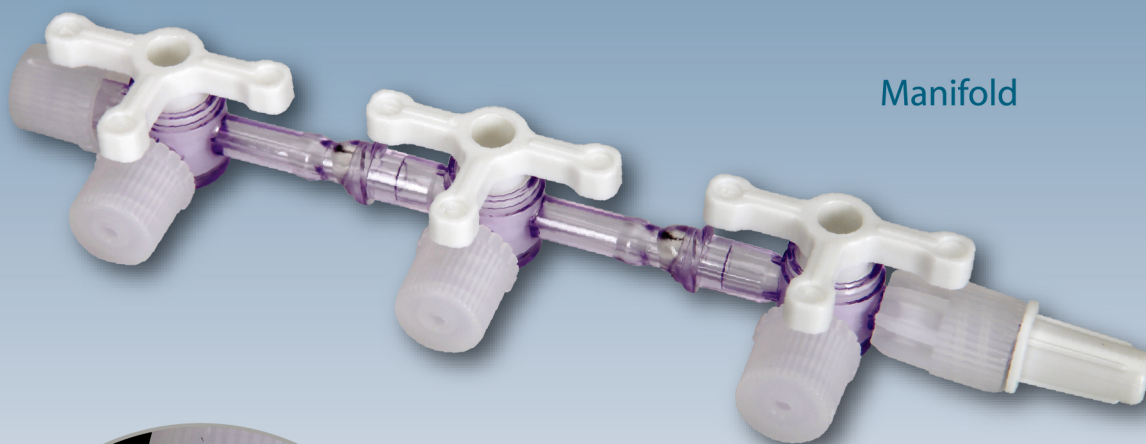
Materials

Polycarbonate housing Silicone seal disc.

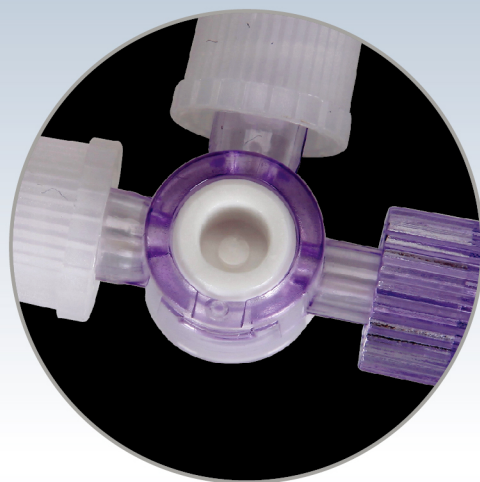




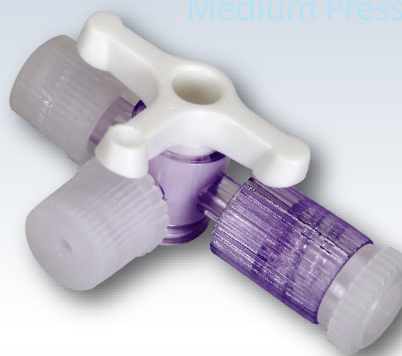
3-Way stopcock



Manifold



Medium Pressure (320psi)



ICU Type



Normal Type

Description

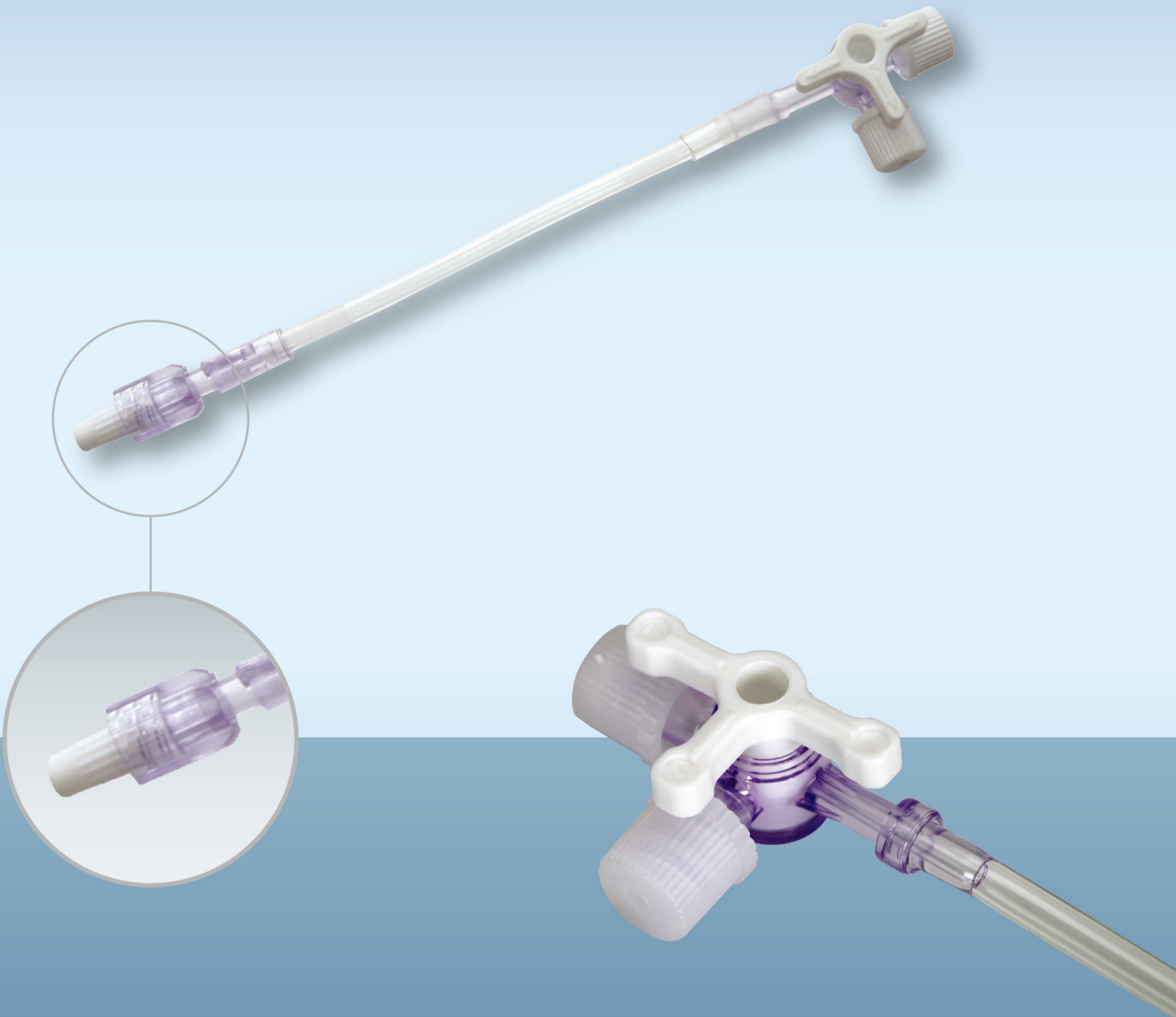
The infusion and injection of drugs for patients - sleek dilution and correct injection volume.

Features and Benefits

- Suitable to all current pressure infusion systems
- Continuous straight-flow channels for accurate pressure monitoring
- Axially and radially movable swivel lock for secure and speedy connection



3way line



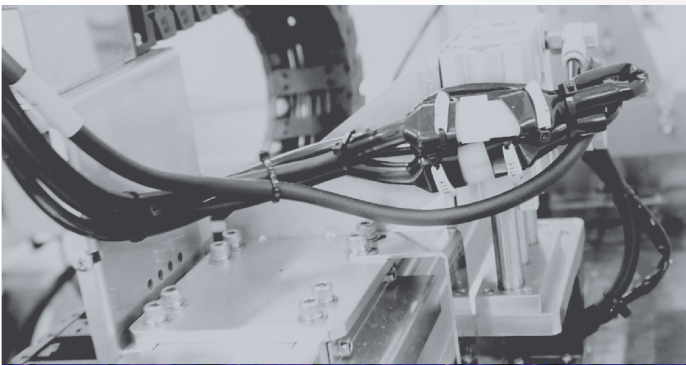
Description

Blood and injection of medical products to help the smooth injection machine

- Non-Pyrogenic
- No-Leakage
- Suitable structure for all injecting syringes
- Biocompatible Materials
- Up to 300 PSI

Specifications

Model	Length
SWWL D10	10cm
SWWL D10	25cm
SWWL D10	30cm
SWWL D10	50cm
SWWL D10	70cm
SWWL D10	100cm





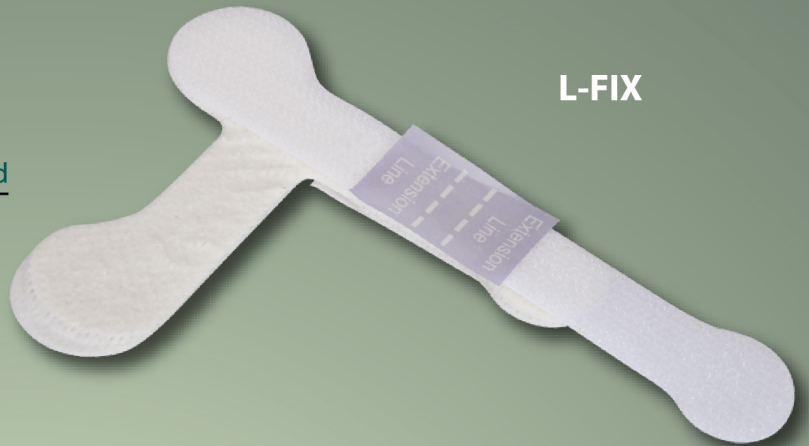
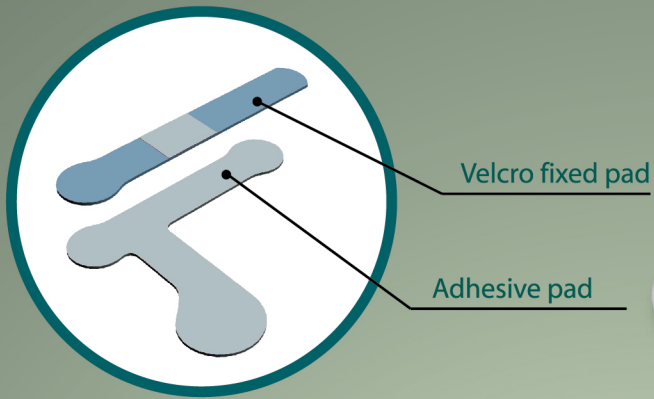
FIX

L-Fix
S-Fix Plus
S-Plus Lock
EISEN
Fenster / Fenster IV



FIX

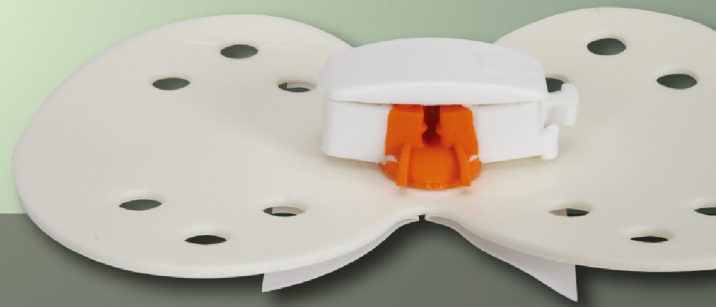
Catheter Stabilization Device



S-Plus Lock



S-FIX Plus



Indications

To prevent medical device from being moved by patients' carelessness, and falling out of the body

Description

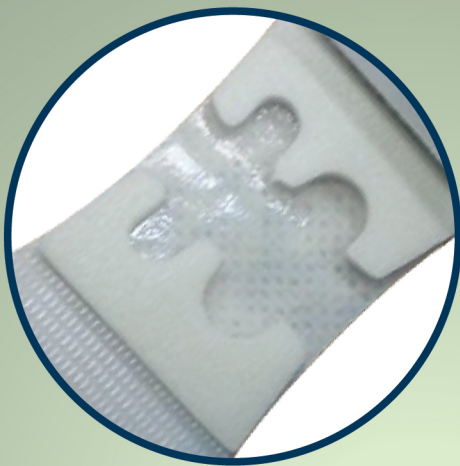
- Used to prevent contamination such as overwriting the surgical site.
- Occurrence of rash was remarkably improved by excellent ventilation of the pad.
- Possible to connect catheters, intravascular administration sets and 3-way line
- Excellent adhesion

Model

S-FIX Plus	S-Plus Lock	L-FIX
Model	Model	Model
SF+1	SL-1	LX-1
SF+2	SL-2	
SF+3		
SF+4		
SF+5		
SF+6		
SF+7		
SF+8		

EISEN

Catheter Stabilization Device



Indications

To prevent medical device from being moved by patients' carelessness, and falling to out of the body.

Description

- Forms tailored to the shape of the catheter
- Double fixation by using a fixed cover
- Easy fastening and separated through using Velcro
- Light weight

Model

Model	Use Product
En-01	CVC
En-02	PICC
En-03	Drainage catheter
En-04	Foley catheter
	Etc



Fenster / Fenster IV

Catheter Stabilization Device



Fenster (60mm x70mm)



Fenster (100mm x115mm)



Fenster IV-01 (50mm x60mm)

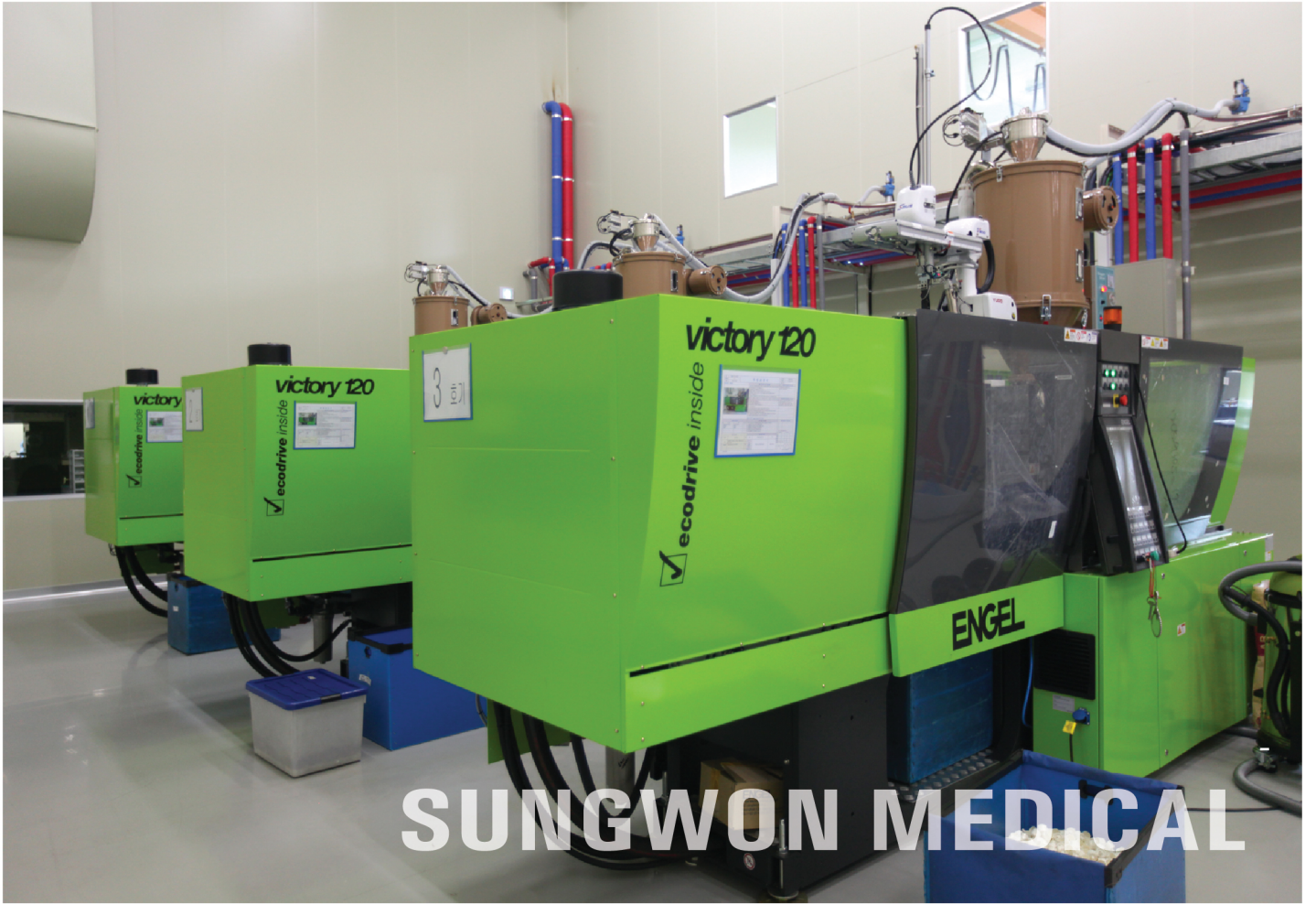
Fenster IV-02 (65mm x70mm)

Indications

To prevent medical device from being moved by patients' carelessness, and falling to out of the body.

Description

- Advanced adhesiveness and improved level of irritation
- Designed for ease of use
- Fits to the contours of the skin and soft feeling



The most important value for
a human being: happiness based on health

