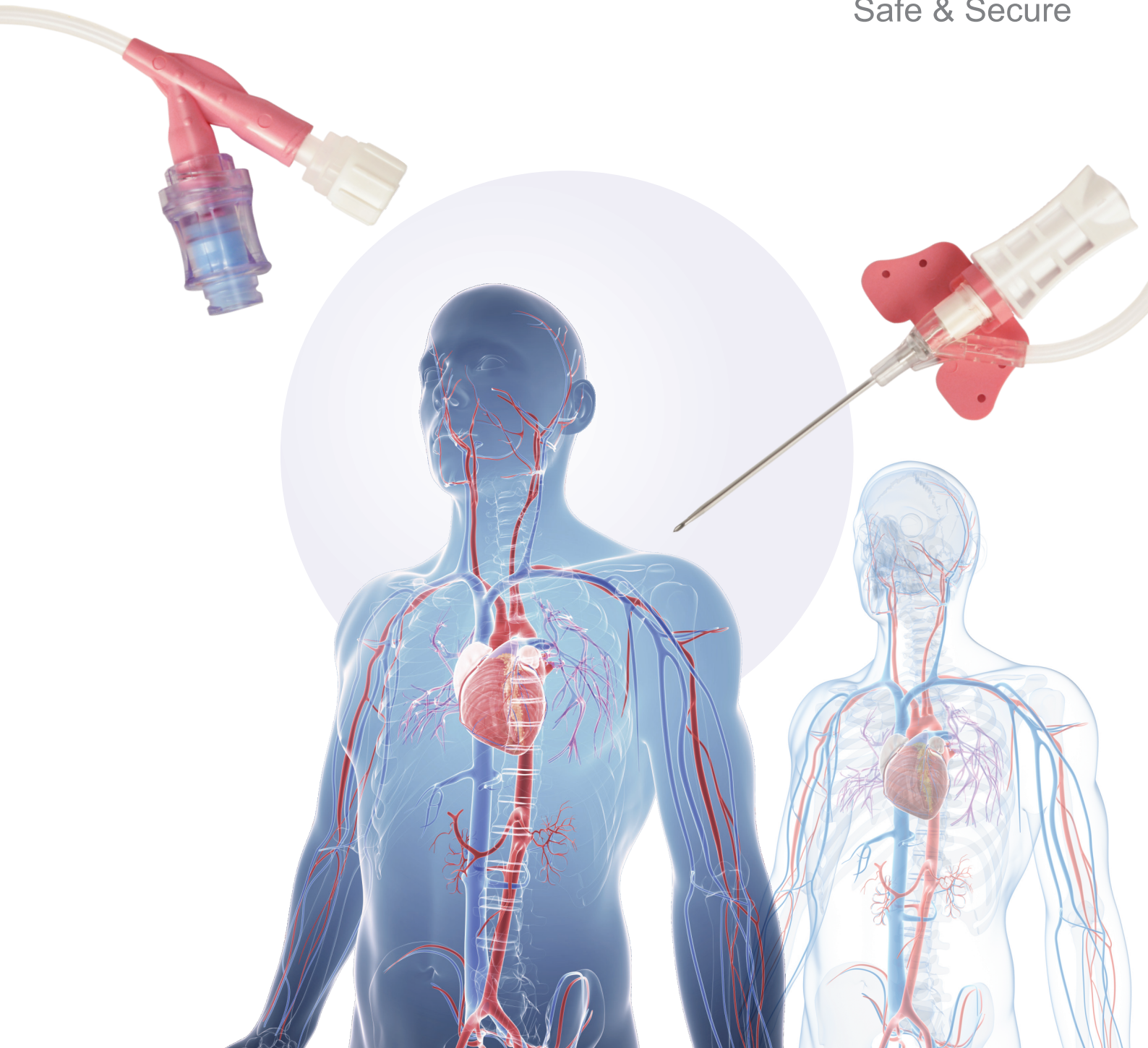


Vascular Access

Safe & Secure

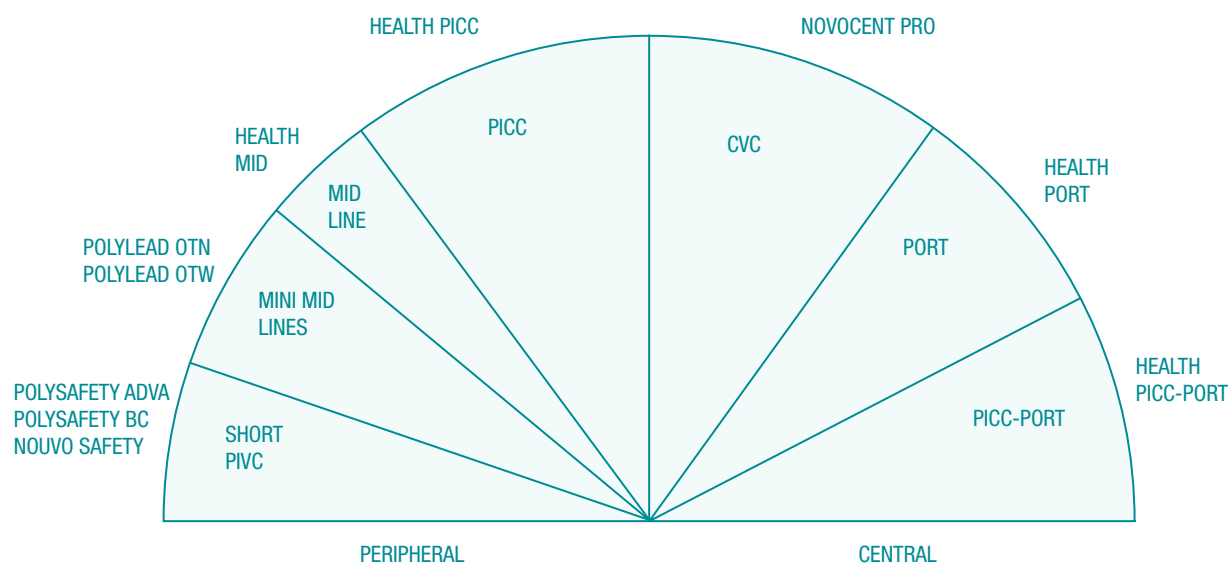


Specialized Solutions for Vascular Access

Plan1Health
Partnering clinical expertise
and industrial technology

POLYMED
Medical Devices

A WIDE RANGE FOR ALL NEEDS OF VASCULAR ACCESS DEVICES





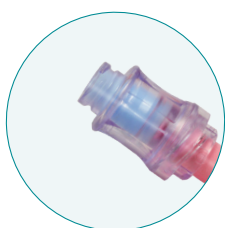
Safety Closed IV Catheter System

Issues are being raised concerning the hygienic aspects of injection port of peripheral ported Catheters. The new generation Closed IV Catheter system that has improved both patient care and the protection of health care professionals

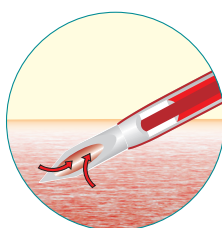
Advantages: Safety and Comfort

- Integrated system minimizes the number of manipulations which can reduce the risk of contamination & accidental disconnection
- Provides access into the peripheral vascular system for administration of fluids and drugs
- Closed IV Catheter system supports two infusions at same time
- Provides safety to patients from Hospital Acquired Infections and healthcare professionals from Needle Stick Injuries
- Advance Polyurethane catheter material ensures better bio-compatibility & longer indwelling time
- DEHP free tube reduces phthalate related toxicity
- Nouvo Safety Set is also available with Two Needle Free Connectors

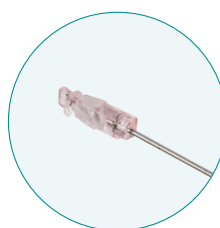
Compatible with Power injectors upto 300 PSI
Also suitable for sub-cutaneous infusion



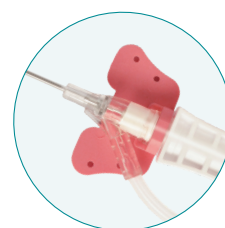
Needle free connector to reduce the risk of Catheter related Bloodstream infections (CRBSI)



Quick Flashback Needle Technology ensures successful venepuncture in first prick



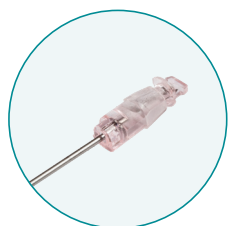
User friendly, Self Activating Safety Mechanism to prevent needle stick injuries



Flexible perforated wings for ventilation

Size		Catheter		Catheter Length mm	Flow Rate (ml/mnt)	Product Code (Y-site)			Straight Luer Lock
		I.D. mm/O.D.mm				Single NFC*	Double NFC*	Luer Lock	
18G	Green	0.9	1.3	32	84	11911	11917	11923	11931
20G	Pink	0.8	1.1	32	58	11912	11918	11924	11932
22G	Blue	0.6	0.9	25	33	11913	11919	11925	11933
24G	Yellow	0.5	0.7	19	18	11914	11920	11926	11934

* Needle Free Connector



Needle Safety Guard

Polysafety Adva I.V. Catheter

- Needle Safety Guard is made of plastic material, offers less friction during withdrawal of needle as compared to a metal clip
- Fully encapsulation of the needle bevel minimizes the blood exposure as compared to other conventional Safety I.V. Catheters
- Round & smooth surface of the Needle Safety Guard prevents the risk of accidental scratching
- Cannulation technique is similar to conventional I. V. Catheter
- Advance Polyurethane catheter material ensures better bio-compatibility & longer indwelling time

Quick Flash Back (Adva) Technology

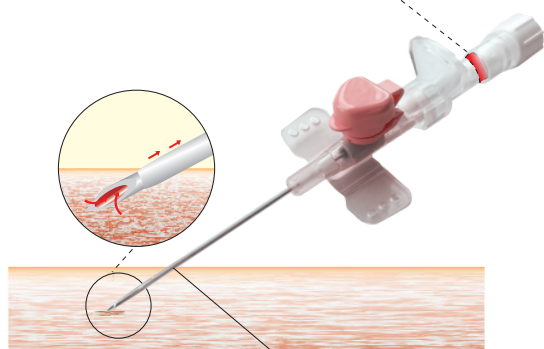
I.V. Catheter with Quick Flashback Adva Needle Technology

- Quick Flashback instantly confirms successful venipuncture
- Needle technology enhances success in first-prick of needle
- Instant confirmation of blood flow along catheter body increases clinician's ability to successfully access the vein

Size		Catheter I.D. mm/O.D.mm		Catheter Length mm	FlowRate (ml/min)	Product Code PUR
14G	Orange	1.7	2.0	45	305	11460
16G	Grey	1.3	1.7	45	200	11461
17G	White	1.1	1.5	45	142	11462
18G	Green	0.9	1.3	45/32	105	11463/64
20G	Pink	0.8	1.1	32	65	11465
22G	Blue	0.6	0.9	25	36	11466
24G	Yellow	0.5	0.7	19	23	11467
26G	Violet	0.45	0.60	19	17	-

Standard.V. Catheter

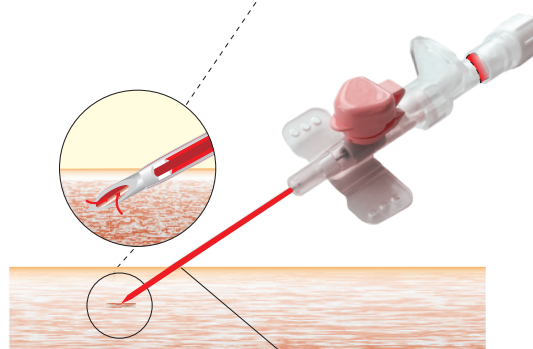
Visualization of flashback at the flashback chamber confirms venipuncture



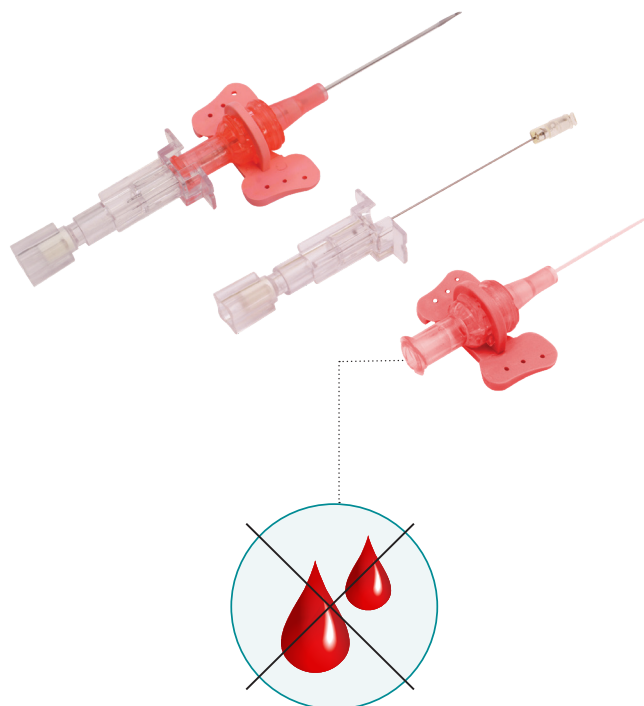
Blood flows through the needle

Quick Flash Back I.V. Catheter

Observe quick flashback through Adva Needle



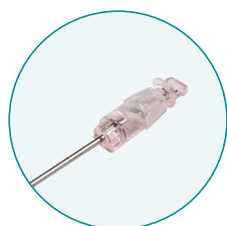
Quick visualization of blood flow through Adva needle along with catheter body confirms successful venipuncture



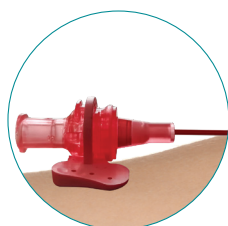
Blood Control IV Catheter

- Blood control IV catheter reduces the risk of blood exposure and contamination
- No Venous compression is required during insertion, single handed technology provides ease of use
- Helping to maintain a clean access site and reduces the stress for clinicians and patients
- Passive safety needle guard automatically encapsulate sharp needle bevel which can not be bypassed and prevent accidental needle Stick injuries
- Needle Safety Guard Can significantly reduce the risk of transmission of blood borne pathogens like HBV, HCV & HIV
- Advance Polyurethane catheter material ensures better bio-compatibility & longer indwelling time
- Perforated wings provide ventilation & prevent skin maceration
- Prevents the risk of air entry when I.V. bottle runs dry

Clean, easy and efficient for patients and healthcare professionals

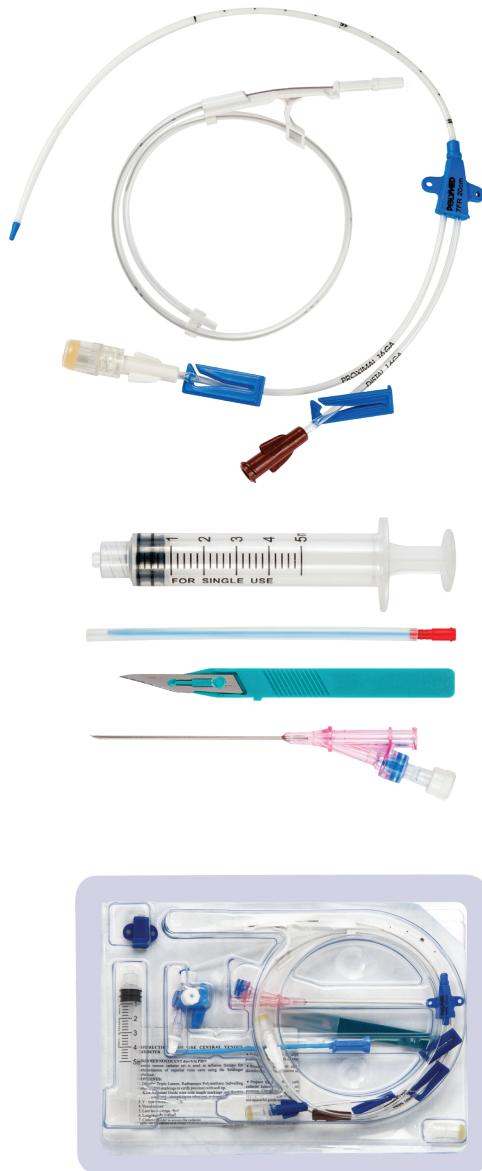


Needle Safety Guard



Polysafety-BC Blood Control Technology

Size		Catheter		Catheter	Product Code
		I.D. mm/O.D.mm		Length mm	PUR
18G	Green	0.9	1.3	45/32	11850
20G	Pink	0.8	1.1	32	11851
22G	Blue	0.6	0.9	25	11852
24G	Yellow	0.5	0.7	19	11853



Novocent Pro

- Novocent offers a complete range of Central Venous Catheters, single, double, triple & Quadruple lumen meeting the needs of current intensive care and emergency medication
- The Multi lumen catheters prevent mixing of incompatible drugs thus minimizing the complication like precipitation or variation in pH

Kit Contents

- Indwelling catheter
- Y-Introducer needle with valve
- Kink Resistant J-Tip Nitinol guide wire
- Dilator
- Luer lock syringe
- Scalpel
- Catheter holder
- Catheter holder clamp

Common Features

- Central Venous Catheter made of specially formulated and biocompatible Polyurethane Material provides strength during insertion and also softens at body temperature to conform to the body tissues and reduces the risk and vascular trauma
- Specially designed soft & beveled tip for smooth & easy insertion of catheter
- Soft Flexible J-Tip Guide wire prevents the vessel perforation and also provides good torque to ensure firm insertion
- Y Introducer needle facilitates simultaneous insertion of guidewire
- Radio-opaque material of catheter with clear, definite marking facilitates correct placement of catheter tip
- Novocent Pro available with kink resistant flexible J-Tip guidewire made up of nickel & titanium (nitinol) & lipid resistant three way stop cock

Options Available:



Needle Free Connector



Guiding Syringe

Central Venous Catheters Sizes

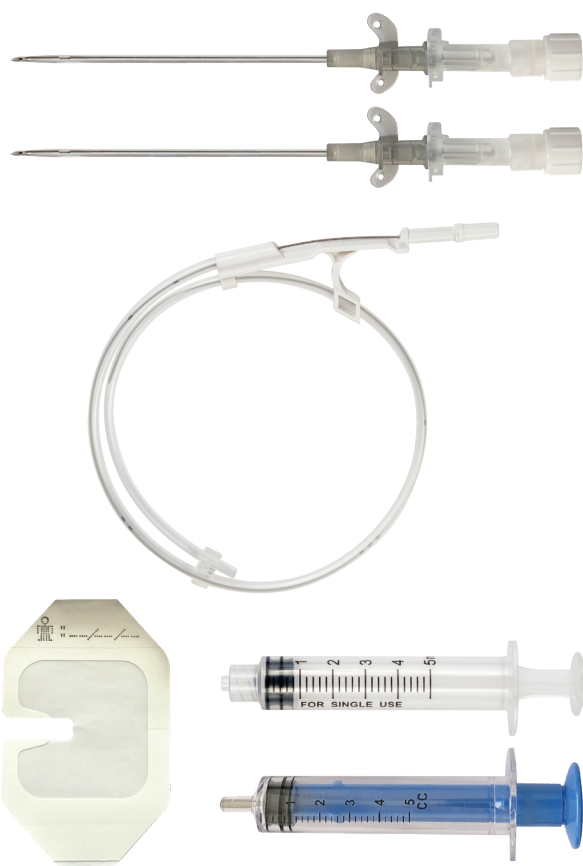
Ordering Codes:

PRODUCT DESCRIPTION			INDWELLING CATHETER		GUIDE WIRE	
Variant	Novocent Pro	Novocent	Specification (Sizes)	Length (mm)	Diameter (inch/mm)	Length (cm/mm)
Single Lumen	15500	15001	3FR / 20G (D)	80	0.018 / 0.46	50/500
	15501	15002	3FR / 20G (D)	100	0.018 / 0.46	50/500
	15502	15003	3FR / 20G (D)	150	0.018 / 0.46	50/500
	15503	15004	3FR / 20G (D)	160	0.018 / 0.46	50/500
	15504	15005	3FR / 20G (D)	200	0.018 / 0.46	50/500
	15505	15006	4FR / 18G (D)	130	0.018 / 0.46	50/500
	15506	15007	4FR / 18G (D)	150	0.018 / 0.46	50/500
	15507	15008	4FR / 18G (D)	160	0.018 / 0.46	50/500
	15508	15009	4FR / 18G (D)	200	0.018 / 0.46	50/500
	15509	15010	5FR / 16G (D)	160	0.035 / 0.89	50/500
	15510	15011	5FR / 16G (D)	200	0.035 / 0.89	50/500
	15511	15012	5FR / 16G (D)	300	0.035 / 0.89	70/700
	15512	15013	6FR / 14G (D)	160	0.035 / 0.89	50/500
	15513	15014	6FR / 14G (D)	200	0.035 / 0.89	50/500
	15514	15015	6FR / 14G (D)	300	0.035 / 0.89	70/700
	15515	15016	7FR / 12G (D)	60	0.035 / 0.89	50/500
	15516	15017	7FR / 12G (D)	200	0.035 / 0.89	50/500
	15522	15019	8FR / 12G (D)	200	0.035 / 0.89	50/500
	15523	15020	9FR / 11G (D)	200	0.035 / 0.89	50/500
Double Lumen	15548	15068	4FR / 22G (P) - 22 G (D)	80	0.018 / 0.46	50/500
	15530	15050	4FR / 22G (P) - 22 G (D)	130	0.018 / 0.46	50/500
	15531	15051	4FR / 22G (P) - 22 G (D)	160	0.018 / 0.46	50/500
	15532	15052	4FR / 22G (P) - 22 G (D)	200	0.018 / 0.46	50/500
	15550	15069	5FR / 20G (P) - 18 G (D)	80	0.018 / 0.46	50/500
	15533	15053	5FR / 20G (P) - 18 G (D)	130	0.018 / 0.46	50/500
	15549	15064	5FR / 20G (P) - 18 G (D)	160	0.018 / 0.46	50/500
	15534	15054	5FR / 20G (P) - 18 G (D)	200	0.018 / 0.46	50/500
	15535	15055	7FR / 16G (P) - 16 G (D)	160	0.035 / 0.89	50/500
	15536	15156	7FR / 16G (P) - 16 G (D)	200	0.035 / 0.89	50/500
	15537	15157	7FR / 16G (P) - 16 G (D)	300	0.035 / 0.89	50/500
	15538	15158	7FR / 14G (P) - 18 G (D)	160	0.025 / 0.64	50/500
	15539	15159	7FR / 14G (P) - 18 G (D)	200	0.025 / 0.64	50/500
	15640	15160	7FR / 14G (P) - 18 G (D)	200	0.025 / 0.64	50/500
	15644	15165	7FR / 18G (P) - 14 G (D)	200	0.035 / 0.89	50/500
	15645	15166	7FR / 18G (P) - 14 G (D)	200	0.035 / 0.89	50/500
	15541	15161	8FR / 14G (P) - 14 G (D)	160	0.035 / 0.89	50/500
	15543	15163	8FR / 14G (P) - 14 G (D)	300	0.035 / 0.89	50/500
Triple Lumen	15566	15106	4.5FR / 23G (P) 20G (D)-23G (M)	60	0.018 / 0.46	50/500
	15570	15057	4.5FR / 23G (P) 20G (D)-23G (M)	80	0.018 / 0.46	50/500
	15571	15058	4.5FR / 23G (P) 20G (D)-23G (M)	130	0.018 / 0.46	50/500
	15574	15108	5FR / 22G (P) 20G (D)-22G (M)	800	0.018 / 0.46	50/500
	15575	15109	5FR / 22G (P) 20G (D)-22G (M)	130	0.018 / 0.46	50/500
	15576	15110	5FR / 22G (P) 20G (D)-22G (M)	150	0.018 / 0.46	50/500
	15568	15111	5FR / 22G (P) 20G (D)-22G (M)	160	0.018 / 0.46	50/500
	15569	15112	5FR / 22G (P) 20G (D)-22G (M)	200	0.018 / 0.46	50/500
	15560	15100	5.5FR / 22G (P) 20G (D)-22G (M)	800	0.018 / 0.46	50/500
	15561	15101	5.5FR / 22G (P) 20G (D)-22G (M)	160	0.018 / 0.46	50/500
	15562	15102	5.5FR / 22G (P) 20G (D)-22G (M)	200	0.018 / 0.46	50/500
	15678	15113	7FR / 18G (P) 16G (D)-18G (M)	150	0.035 / 0.89	50/500
	15663	15103	7FR / 18G (P) 16G (D)-18G (M)	160	0.035 / 0.89	50/500
	15664	15104	7FR / 18G (P) 16G (D)-18G (M)	200	0.035 / 0.89	50/500
	15165	15105	7FR / 18G (P) 16G (D)-18G (M)	300	0.035 / 0.89	70/700
Four Lumen	15601	-	8FR / 18G (P) 16G (D)-18G (M1-M2))	130	0.035 / 0.89	50/500
	15602	-	8FR / 18G (P) 16G (D)-18G (M1-M2)	160	0.035 / 0.89	50/500
	15603	-	8FR / 18G (P) 16G (D)-18G (M1-M2)	200	0.035 / 0.89	50/500

Novocent : Available with Stainless Steel Guide Wire

Polylead-OTN

MINI MID LINES



Over the Needle

The New Mini-Mid line kit over-the-needle is suitable for those cases of “difficult insertion vascular access” and need of approach to vessels especially by “Internal Juglar Vein”. The kit contains also a guide-wire for conversion into a over-the wire procedure for those cases requiring

- Mini Midline Catheters made of specially formulated and biocompatible Polyurethane Material provides strength during insertion
- Polyurethane softens at body temperature to conform to the body tissues and reduces the risk of vascular trauma
- Specially designed soft tip for smooth & easy insertion of catheter
- Soft Flexible Kink resistant straight Guide wire made of nitinol prevents the vessel perforation and also provides good torque to ensure firm insertion
- Radio-opaque catheter

Size		Catheter		Product Code		
		I.D. mm/O.D.mm		Catheter Length (mm)		
				60	70	80
14G	Orange	1.7	2.0	13440	13441	13442
16G	Grey	1.3	1.7	13443	13444	13445
17G	White	1.1	1.5	13446	13447	13448
18G	Green	0.9	1.3	13449	13530	13531

Polylead-OTW

MINI MID LINES



Over the Wire

Radio-opaque PUR catheter with fixation wings: to be used with Seldinger technique by introducer needle and straight guidewire

Kit Consists of :

- Securement Device
- Tourniquet
- Wound IV Dressing
- Drape
- Probe cover
- Gel for U.S. Machine
- Mini Mid Line Catheter
- Introducer Needle
- Nitinol Guidewire Straight Point
- Extension Line length 5cm

Fr	Size G	Catheter Length mm	Guidewire OD mm	Guidewire Length mm	Introducer Needle	Ref Code
4	18G	40	0,46	250	19Gx54mm	13535
4	18G	60	0,46	250	19Gx54mm	13536
4	18G	80	0,46	250	19Gx54mm	13537
4	18G	120	0,46	400	19Gx54mm	13538
3	20G	40	0,46	250	20Gx38mm	13539
3	20G	60	0,46	250	20Gx38mm	13580
3	20G	80	0,46	250	20Gx38mm	13581
3	20G	120	0,46	400	20Gx38mm	13582
2	22G	40	0,46	250	21Gx41mm	13583
2	22G	60	0,46	250	21Gx41mm	13584
2	22G	80	0,46	250	21Gx41mm	13585
2	22G	120	0,46	400	21Gx41mm	13586



Safe Conekt - Mono



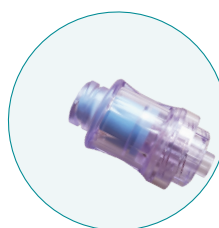
Safe Conekt - Duo



Safe Conekt - Trio

Needle Free Connector

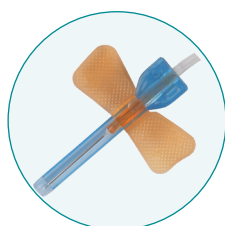
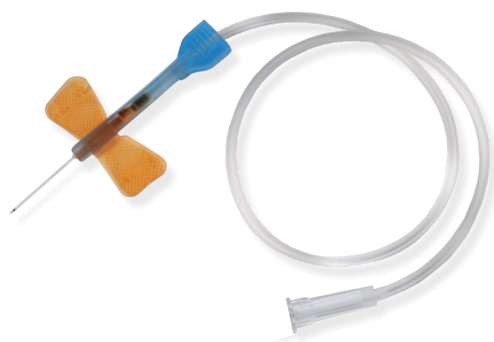
- Needle free technology that is designed to reduce the risk of bacterial contamination and improve patient outcome
- Can be used on all peripheral catheters, arterial and central venous catheters for the administration of I.V. fluids or medication
- Straight fluid path allows for clearing of blood and blood residual with low flush volumes
- Uniform smooth bore throughout permits maximum infusion flow and prevents turbulence as well as formation of air bubbles
- Flat smooth swabable surface for ease of disinfection
- Rotating luer lock and threaded female ports facilitates safe and secure connection to luer lock of other systems
- Extension tube is available in PVC free tubing
- Contains No latex, Phthalates (DEHP) or Metal Components
- Approved for use with power injectors



Needle free connector to reduce the risk of Catheter related Bloodstream infections (CRBSI)

Product Code	Brand Name	Specification
13320	Safe Conekt-Mono	Extension Tube small bore Mono-10 cm with needle free connector
13321	Safe Conekt-Duo	Extension Tube small bore Duo-13 cm with needle free connector
13322	Safe Conekt-Trio	Extension Tube small bore Trio-15 cm with needle free connector
13323	Safe Conekt-Duo	Extension Tube Large bore Duo-15 cm with needle free connector
13324	Safe Conekt-Trio	Extension Tube Large bore Trio-15 cm with needle free connector
13325	Safe Conekt-Mono	Extension Tube small bore Mono-99 cm with needle free connector
13326	Safe Conekt-Mono	Extension Tube Large bore Mono-10 cm with needle free connector
13327	Safe Conekt-Duo	Extension Tube small bore Duo-12 cm with needle free connector
13328	Safe Conekt-Duo	Extension Tube Large bore Duo-12 cm with needle free connector
13329	Safe Conekt-Duo	Extension Tube small bore Duo-12 cm with needle free connector with BCV
13330	Safe Conekt-Trio	Extension Tube small bore Trio-19 cm with needle free connector

Also available with Back-Check Valve.

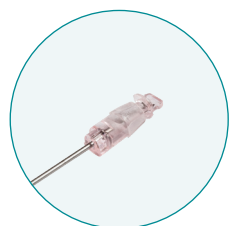


Needle Safety Shield

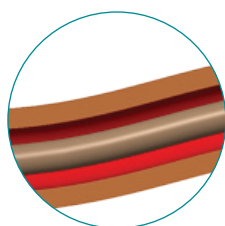
Safety Winged Infusion Set

- Safety winged infusion set with short, atraumatic sharp Japanese needle
- After completion of infusion, safety needle shield is slid over the needle until it is locked position
- The needle is isolated and securely locked into a closed system
- Also available with luer adapter for safe blood collection
- Safety needle shield minimizes the risk of needle stick injuries
- Colour coded flexible wings
- Sizes : 16G to 27G

Product Code	88280	88290	88300	88310	88330	88340
Sizes	19G	20G	21G	23G	24G	25G



Needle Safety Guard



Polyurethane catheter

Safety Arterial Catheter

- Suitable for arterial pressure monitoring and serial arterial blood gas determinations
- Polyurethane catheter supports longer indwelling time
- Sharp atraumatic needle bevel helps the procedure with minimal patient discomfort
- Specially engineered ON-OFF switch prevents backflow and exposure of blood to healthcare
- Safety needle guard automatically covers the needle's sharp bevel after withdrawal of needle from the hub, minimizing the risk of Needle Stick Injury
- Perforated wings for ventilation and suturing purpose
- Size: 20G

Catheter Material	Product Code
FEP	13424
PUR	13425

For chemotherapy, analgesic therapy, antibiotic therapy and other solutions, injections and infusions of blood components and derivatives, repetitive drawing of blood samples.

The system is:

SAFE

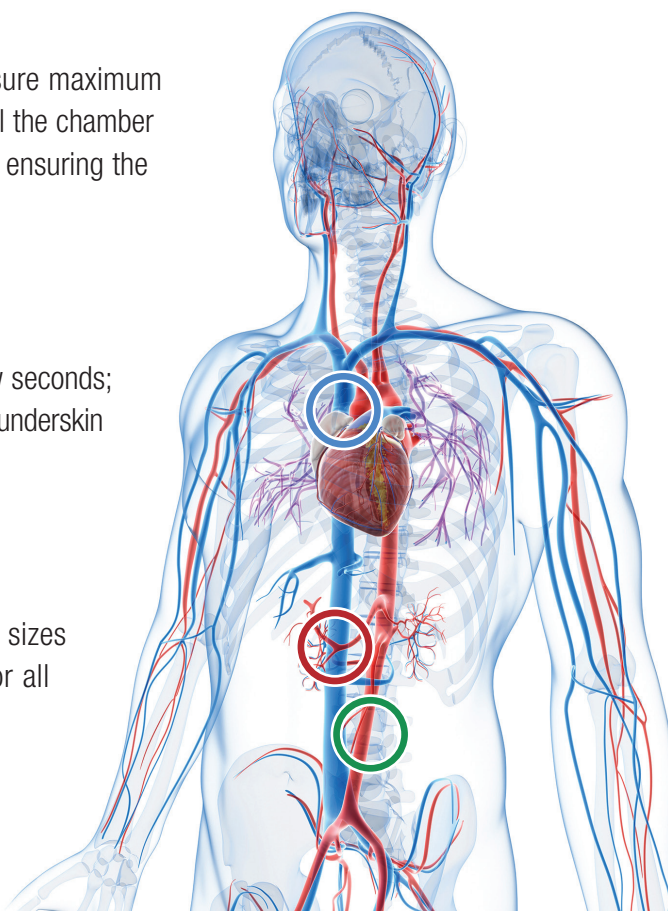
high quality materials and accurate design assure maximum reliability. Robust chambers are leak proof; on all the chamber models the inner reservoir is made of Titanium, ensuring the highest durability and drug compatibility.

SIMPLE

catheter connection can easily be done in a few seconds; chamber shapes allow easy introduction into the underskin pocket.

VERSATILE

wide choice of chamber models and catheter sizes make the **Healthport system** appropriate for all patients, users and clinical requirements.



	ETI	LP	PLP	POWER TI	POWER PLP	miniMAX	FOCUS DC
VENOUS SYSTEM	●	●	●	●	●	●	●
SPINAL SYSTEM	●						
ARTERIAL SYSTEM	●						



- Small chamber
- Wedge-shaped for easy insertion into underskin pocket
- Large self-sealing septum facilitates location during skin palpation and reduces risks of puncture concentration
- High needle retention due to pressure exerted on self-sealing septum by titanium components
- Titanium assures highest mechanical reliability and stability

Features

Chamber

Material:	titanium
Shape and dimensions:	wedged - base 27.5 mm x 19 mm
Height:	10.5 mm
Weight:	10.5 g
Internal volume:	0.53 ml

Septum

Material:	silicone
Diameter available for puncture:	12.8 mm
Maximum number of punctures:	2000 with 22 GA Huber needle 1000 with 19 GA Huber needle

Catheter with rounded tip, marked with a dot every centimetre and a number every 5 centimetres.

All-in-One

REF	Catheter description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.17.12.21	Silicone	1.0	2.1	6.5	780	0.61
201.17.12.31	Silicone	1.5	2.7	8	780	1.37
201.17.12.41	Polyurethane	1.1	1.7	5	780	0.74

Package configuration




- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector
- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler

Standard

REF	Catheter description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.17.10.21	Silicone	1.0	2.1	6.5	780	0.61
201.17.10.31	Silicone	1.5	2.7	8	780	1.37
201.17.10.41	Polyurethane	1.1	1.7	5	780	0.74

- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector

Venous Introducer Set

REF		Colour Code
201.51.10.21	Introducer set 6.5 FR	
201.51.10.31	Introducer set 9 FR	
201.51.10.41	Introducer set 5 FR	

- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler



- Small chamber
- Circular (dome) shape for maximum stability of the chamber-risk of “flipping” minimized
- Large self-sealing septum facilitates location during skin palpation and reduces risks of puncture concentration
- High needle retention due to pressure exerted on self-sealing septum by titanium components
- Titanium assures highest mechanical reliability and stability

Features

Chamber

Material:	titanium
Shape and dimensions:	circular - base diameter 26 mm
Height:	10.2 mm
Weight:	8.5 g
Internal volume:	0.53 ml

Septum

Material:	silicone
Diameter available for puncture:	12.8 mm
Maximum number of punctures:	2000 with 22 GA Huber needle 1000 with 19 GA Huber needle

Catheter with rounded tip, marked with a dot every centimetre and a number every 5 centimetres.

All-in-One

REF	Catheter description	int ø mm	ext ø mm	ext ø FR	Length mm	Volume ml
201.15.12.21	Silicone	1.0	2.1	6.5	780	0.61
201.15.12.31	Silicone	1.5	2.7	8	780	1.37
201.15.12.41	Polyurethane	1.1	1.7	5	780	0.74

Package configuration




- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector
- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler

Standard

REF	Catheter description	int ø mm	ext ø mm	ext ø FR	Length mm	Volume ml
201.15.10.21	Silicone	1.0	2.1	6.5	780	0.61
201.15.10.31	Silicone	1.5	2.7	8	780	1.37
201.15.10.41	Polyurethane	1.1	1.7	5	780	0.74

- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector

Venous Introducer Set

REF		Colour Code
201.51.10.21	Introducer set 6.5 FR	
201.51.10.31	Introducer set 9 FR	
201.51.10.41	Introducer set 5 FR	

- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler



- Low profile plastic chamber, also suitable for patients with thick subcutaneous fat layer
- Light weight and cost-effective
- Titanium internal chamber avoids damages induced by needle tip and avoids interactions between plastic and drugs
- Large self-sealing septum facilitates location during skin palpation and reduces risks of puncture concentration
- Transparent and radiopaque elastomeric connector allows rapid, safe and reversible connection of the catheter

Features

Chamber

Material:	titanium + polysulphone
Shape and dimensions:	circular - base diameter 27 mm
Height:	10.6 mm
Weight:	5.9 g
Internal volume:	0.36 ml

Septum

Material:	silicone
Diameter available for puncture:	13 mm
Maximum number of punctures:	2000 with 22 GA Huber needle 1000 with 19 GA Huber needle

Catheter with rounded tip, marked with a dot every centimetre and a number every 5 centimetres.

All-in-One

REF	Catheter description	int ø mm	ext ø mm	ext ø FR	Length mm	Volume ml
201.22.12.21	Silicone	1.0	2.1	6.5	780	0.61
201.22.12.31	Silicone	1.5	2.7	8	780	1.37
201.22.12.41	Polyurethane	1.1	1.7	5	780	0.74
201.22.12.20	Polyurethane	1.3	2.0	6	600	0.63
201.22.12.33	Polyurethane	1.6	2.7	8	600	1.21

Package configuration

- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector
- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler

Standard

REF	Catheter description	int ø mm	ext ø mm	ext ø FR	Length mm	Volume ml
201.22.10.21	Silicone	1.0	2.1	6.5	780	0.61
201.22.10.31	Silicone	1.5	2.7	8	780	1.37
201.22.10.41	Polyurethane	1.1	1.7	5	780	0.74

- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector

Venous Introducer Set

REF	Colour Code
201.51.10.21	Introducer set 6.5 FR
201.51.10.31	Introducer set 9 FR
201.51.10.41	Introducer set 5 FR

- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler

POWER TI

HEALTHPORT® POWER



- Chamber specifically designed to be used for High-flow Injections of contrast media
- Large self-sealing septum facilitates location during skin palpation and reduces risks of puncture concentration
- Transparent and radiopaque elastomeric connector allows rapid, safe and reversible connection of the catheter
- Entire line (extension+huber needle) tested by Independent Lab

Features

Chamber

Material:	titanium + polysulphone
Shape and dimensions:	wedged - base 25 mm x 26.9 mm
Height:	13 mm
Weight:	12 g
Internal volume:	0.82 ml

Septum

Material:	silicone
Diameter available for puncture:	13 mm
Maximum number of punctures:	2000 with 22 GA Huber needle 1000 with 19 GA Huber needle

**Max Flow Rate = 5 ml/s with max Pressure 300 PSI,
Max Viscosity 12 cP**

POWER PLP



- Chamber specifically designed to be used for High-flow Injections of contrast media
- Large self-sealing septum facilitates location during skin palpation and reduces risks of puncture concentration
- Transparent and radiopaque elastomeric connector allows rapid, safe and reversible connection of the catheter
- Low profile plastic chamber, also suitable for patients with thick subcutaneous fat layer

Features

Chamber

Material:	titanium + polysulphone
Shape and dimensions:	circular - base diameter 27 mm
Height:	10.6 mm
Weight:	5.9 g
Internal volume:	0.36 ml

Septum

Material:	silicone
Diameter available for puncture:	13 mm
Maximum number of punctures:	2000 with 22 GA Huber needle 1000 with 19 GA Huber needle

**Max Flow Rate = 5 ml/s with max Pressure 300 PSI,
Max Viscosity 12 cP**

Catheter	OD (Fr)	OD (mm)	ID (mm)	Length (mm)	Flow rate* (ml/min)		Maximum flow rate (ml/s): limiting pressure 300 PSI, viscosity 12 cP**			Recommended maximum flow rate (ml/s)	
					22 G	19 G	22 G	20 G	19 G	22 G	20 - 19 G
POWER TI											
Polyurethane	6	2.00	1.35	600	8	22	3	6	7	2	5
Silicone	8	2.70	1.30	600	7	21	3	6	7	2	5
Polyurethane	8	2.70	1.60	600	8	24	3	7	7	2	5

POWER PLP

Polyurethane	6	2.00	1.35	600	8	22	3	6	5	2	5
Silicone	8	2.70	1.30	600	7	21	3	6	6	2	5
Polyurethane	8	2.70	1.60	600	8	24	3	7	7	2	5

* Gravity infusion from a height difference of 1 m, Huber needles of 22 and 19 G respectively and catheter length of 450 mm.

** Maximum flow rate with limiting pressure of 300 PSI, medium viscosity of 12 cP, catheter length of 450 mm and Huber needle length of 25.4 mm.

Catheter with rounded tip, marked with a dot every centimetre and a number every 5 centimetres.

All-in-One

POWER TI	REF	Catheter description	int ø mm	ext ø mm	ext ø FR	Length mm	Volume ml
POWER TI	201.23.12.30	Silicone	1.3	2.7	8	600	0.61
	201.23.12.20	Polyurethane	1.3	2.0	6	600	0.63
	201.23.12.33	Polyurethane	1.6	2.7	8	600	1.21
POWER PLP	REF	Catheter description	int ø mm	ext ø mm	ext ø FR	Length mm	Volume ml
POWER PLP	201.24.12.30	Silicone	1.3	2.7	8	600	0.61
	201.24.12.20	Polyurethane	1.3	2.0	6	600	0.63
	201.24.12.33	Polyurethane	1.6	2.7	8	600	1.21

Package configuration



- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector
- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler

Standard

POWER TI	REF	Catheter description	int ø mm	ext ø mm	ext ø FR	Length mm	Volume ml
POWER TI	201.23.10.30	Silicone	1.3	2.7	8	600	0.61
	201.23.10.20	Polyurethane	1.3	2.0	6	600	0.63
	201.23.10.33	Polyurethane	1.6	2.7	8	600	1.21
POWER PLP	REF	Catheter description	int ø mm	ext ø mm	ext ø FR	Length mm	Volume ml
POWER PLP	201.24.10.30	Silicone	1.3	2.7	8	600	0.61
	201.24.10.20	Polyurethane	1.3	2.0	6	600	0.63
	201.24.10.33	Polyurethane	1.6	2.7	8	600	1.21

- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector

Venous Introducer Set

REF		Colour Code
201.51.10.21	Introducer set 6.5 FR	
201.51.10.31	Introducer set 9 FR	

- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler



- Extra small chamber
- Wedge-shaped for easy insertion into underskin pocket
- Large self-sealing septum surface (in relation to overall dimensions)
- Suitable for patients with “cosmetic” needs or paediatric patients
- High needle retention due to pressure exerted on self-sealing septum by titanium components
- Titanium assures highest mechanical reliability and stability

Features

Chamber

Material:	titanium
Shape and dimensions:	wedged - base 21 mm x 16 mm
Height:	8.6 mm
Weight:	6 g
Internal volume:	0.2 ml

Septum

Material:	silicone
Diameter available for puncture:	9 mm
Maximum number of punctures:	1500 with 22 GA Huber needle

Catheter with rounded tip, marked with a dot every centimetre and a number every 5 centimetres.

All-in-One

REF	Catheter description	int ø mm	ext ø mm	ext ø FR	Length mm	Volume ml
201.16.12.21	Silicone	1.0	2.1	6.5	780	0.61
201.16.12.41	Polyurethane	1.1	1.7	5	780	0.74
Pediatric*						
201.16.12.55	Polyurethane	1.1	1.7	5	780	0.74

* Dedicated introducer needle, initial guidewire, peel away and tunneler

Package configuration

- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector
- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler

Standard

REF	Catheter description	int ø mm	ext ø mm	ext ø FR	Length mm	Volume ml
201.16.10.21	Silicone	1.0	2.1	6.5	780	0.61
201.16.10.41	Polyurethane	1.1	1.7	5	780	0.74

- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector

Venous Introducer Set

REF		Colour Code
201.51.10.21	Introducer set 6.5 FR	
201.51.10.41	Introducer set 5 FR	

- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler



- Double chamber with independent outlet tubes
- Different diameter and height allow easy and safe identification of each chamber during skin palpation
- Suitable for simultaneous infusion of drug that are incompatible (e.g. crystallization risk)
- Large self-sealing septums
- Titanium internal chamber avoids damages induced by needle tip and avoids interactions between plastic and drugs

Features

Chamber

Material:	titanium + polysulphone
Shape and dimensions:	base 50 mm x 34 mm
Height:	13.9 mm - 15.4 mm
Weight:	19.7 g
Internal volume:	0.53 ml - 0.52 ml

Septum

Material:	silicone
Diameter available for puncture*:	12.7 mm
Maximum number of punctures:	2000 with 22 GA Huber needle
	1000 with 19 GA Huber needle

* For each septum

Catheter with rounded tip, marked with a dot every centimetre and a number every 5 centimetres.

Standard

REF	Catheter description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.21.10.91	Silicone with two lumens	small 1.0 big 1.3	3.4	10.5	600	small 0.61 big 1.3

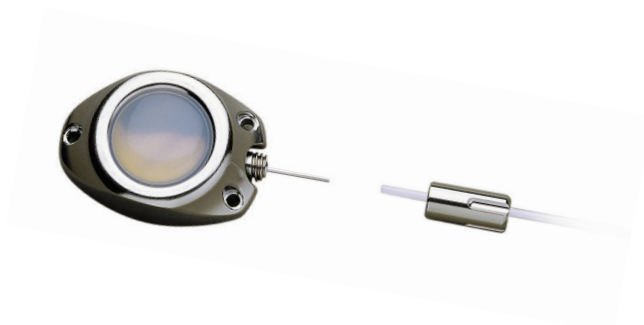
Package configuration

- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector

Venous Introducer Set

REF	Colour Code
201.51.10.91	Introducer set 11 FR

- Peel-away dilator-introducer
- 18 GA introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler



- Small chamber
- Wedge-shaped for easy insertion into underskin pocket
- Large self-sealing septum facilitates location during skin palpation and reduces risks of puncture concentration
- High needle retention due to pressure exerted on self-sealing septum by titanium components
- Titanium assures highest mechanical reliability and stability

Features

Chamber

Material:	titanium
Shape and dimensions:	wedged - base 27,5 mm x 19 mm
Height:	10.5 mm
Weight:	10.5 g
Internal volume:	0.53 ml

Septum

Material:	silicone
Diameter available for puncture:	12.8 mm
Maximum number of punctures:	2000 with 22 GA Huber needle 1000 with 19 GA Huber needle

A 50 micron filter inside the chamber prevents the output of particles into the catheter.

Package configuration

REF	Chamber	Catheter description	int ø mm	ext ø mm	GA	Length mm	Volume ml
201.17.10.61	ETI	PU with open tip	0.5	1.0	19	900	0.18
201.17.10.71	ETI	PU with closed tip and lateral holes	0.5	1.0	19	900	0.18

- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Blunt needle
- Tuohy needle 17 GA x 80 mm
- Tunnelizer



- Small chamber
- Wedge-shaped for easy insertion into underskin pocket
- Large self-sealing septum facilitates location during skin palpation and reduces risks of puncture concentration
- High needle retention due to pressure exerted on self-sealing septum by titanium components
- Titanium assures highest mechanical reliability and stability

Features

Chamber

Material:	titanium
Shape and dimensions:	wedged - base 27.5 mm x 19 mm
Height:	10.5 mm
Weight:	10.5 g
Internal volume:	0.53 ml

Septum

Material:	silicone
Diameter available for puncture:	12.8 mm
Maximum number of punctures:	2000 with 22 GA Huber needle 1000 with 19 GA Huber needle

Package configuration

REF	Chamber	Catheter description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.17.10.51	ETI	Silicone	1.0	2.1	6.5	780	0.61

- Port chamber
- Catheter
- Connector
- Huber needle 22 GA x 25.4 mm
- Luer connector

PERIPHERALLY INSERTED CENTRAL CATHETERS



A wide range of POWER CATHETERS and components aligned to the most recent clinical procedures for an easy and safe percutaneous access

Intended Use

HealthPICC identifies a range of catheters suitable for central venous systems access through arm's deep veins. It is recommended for short and long therapies, allowing the venous infusion of liquids, drugs, nutritional therapies and blood samples withdrawal.

All HealthPICC catheters are suitable for high-flow rate injection of contrast media ("Power injection").

Features

1 Power Injectable Catheters

All **HEALTH** *PICC* catheter are made of Polyurethane and suitable for high-pressure injections (max flow rate as reported in the table below)

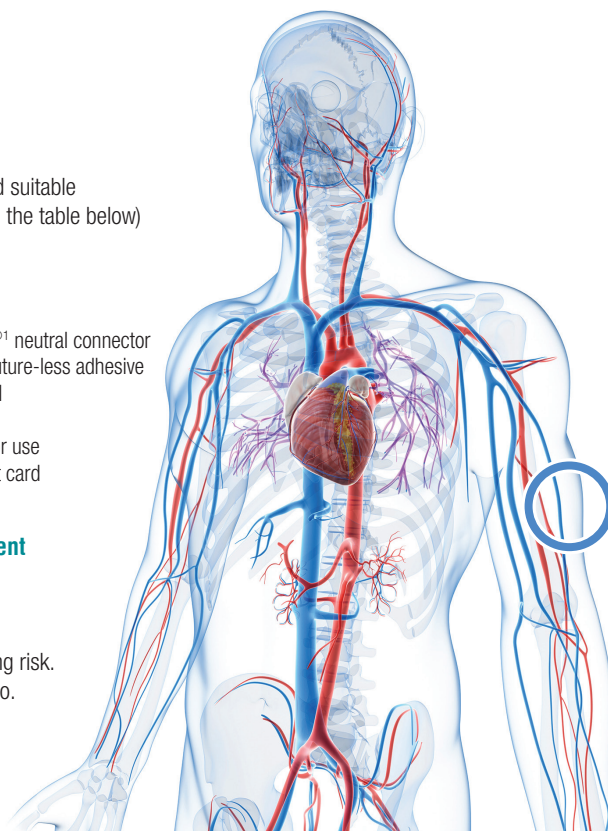
2 Kit contents

- **HEALTH** *PICC* catheter marked every centimetre
- Stylet
- Stylet holder and T-connector
- 21 GA echogenic needle
- Nitinol straight guidewire
- Dilator/Introducer
- MicroCLAVE®¹ neutral connector
- Grip-Lok®² suture-less adhesive
- Safety scalpel
- Paper ruler
- Instructions for use
- Patient implant card

3 ECG-compatible for catheter's tip correct placement

4 Reverse tapered

For an easy and safe implant procedure reducing bleeding risk. Reverse tapering provides excellent kinking resistance too.



References

CODE	Lumen	Catheter diameter (FR)	Catheter material	Catheter length (mm)	Gravity flow rate ^a (ml/min)	Maximum flow rate ^b (ml/s)	Reverse tapering	Depth marks
201.60.10.13	Single	3	Polyurethane	450	8	2	Yes	Yes
201.60.10.14	Single	4	Polyurethane	550	22	5	Yes	Yes
201.60.10.15	Single	5	Polyurethane	550	39	7	Yes	Yes
201.60.10.24	Double	4	Polyurethane	450	4	2	Yes	Yes
201.60.10.25	Double	5	Polyurethane	500	10	5	Yes	Yes
201.60.10.36	Triple	6	Polyurethane	550	13 (Power lumen) 5 (other lumens)	5 ^c	Yes	Yes

(a) Gravity infusion from a height difference of 1m.

(b) Maximum flow rate with limiting pressure of 300 psi, medium viscosity of 12cP.

(c) Only one lumen is Power injectable for the 6FR catheter.

Micro - Introduction Kit

REF	Description	Introducer Needle	Dilator / Introducer	Guidewire
201.60.51.03	introducer Set 3FR short	21GA x 40 mm	4FR x 50 mm	0.45 x 400 mm
201.60.51.04	introducer Set 4FR short	21GA x 40 mm	4.5FR x 50 mm	0.45 x 400 mm
201.60.51.14	introducer Set 4FR	21GA x 70 mm	4.5FR x 70 mm	0.45 x 400 mm
201.60.51.15	introducer Set 5FR	21GA x 70 mm	5.5FR x 70 mm	0.45 x 400 mm
201.60.51.06	introducer Set 6FR	21GA x 70 mm	6FR x 70 mm	0.45 x 400 mm

Thanks to arm's deep veins echo-guided venipuncture, it is now possible to combine the advantages of a total implantable subcutaneous chamber (PORT) with PICC's catheter introduction and placement technique.

The catheter is introduced and placed using PICC's implant technique: echo-guided venipuncture, micro-introducer set, ECG tip control. The catheter is then connected to a small PORT chamber placed in a subcutaneous pocket in the middle third of the arm.

Main indications:

- 6-12 months chemotherapies
- anatomical hindrances to traditional ports (prosthesis, burns, tracheostomies, etc.)
- aesthetic concerns

Main PICC-PORT advantages:

- exit-site absence
- reduced risk of infections compared to PICC
- reduced maintenance
- reduced chamber visibility
- less invasiveness and less patient perception



Features

Chamber		Septum	
Material:	Titanium	Material:	Silicone
Shape and dimensions:	wedged - base 21 mm x 16 mm	Diameter available for puncture:	9 mm
Height:	8.6 mm	Maximum number of punctures:	1500 with 22 GA Huber needle
Weight:	6 g		
Internal volume:	0.2 ml		

Catheter with rounded tip, marked with a dot every centimetre and a number every 5 centimetres.

REF	Catheter description	ø int mm	ø ext mm	ø ext FR	Length mm	Volume ml
201.16.12.55	Polyurethane	1.1	1.7	5	780	0.74

Package configuration

- port chamber
- catheter
- connector
- 22GA x 25.4 mm Huber needle
- Luer connector
- Straight Nitinol guidewire
- 21 GA echogenic needle
- Dilator/Introducer
- Stainless steel tunneler

Accessories Re-sterilizable ECG cable

Re-sterilizable cable suitable for connecting the metallic stylet to the ECG monitor.

REF: 201.61.65.10

1 MicroCLAVE® is a registered trademark of ICU Medical, Inc.

2 Grip-Lok® is a registered trademark of TIDI Products, LLC.

POWER!



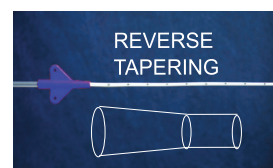
NOT FOR VENOUS
CENTRAL ACCESS

HEALTHMID leverages the two decade experience of Plan 1 Health in the development and manufacturing of Venous Catheters

FEATURES

1 Reverse Tapering

For an easy and safe implantation procedure; reducing risk of bleeding. Reverse tapering offers also an excellent resistance to kinking.



2 Complete introducer set

- HEALTHMID Catheter
- Micro: introducer needle
- Needle free connector
- Paper ruler
- No CVC Label
- Straight Nitinol guidewire
- MicroCLAVE*
- Grip-Lok*
- Dilator-Introducer
- Instruction for use
- Scalpel

3 Power injectable catheters

All catheter versions are power injectable) maximum contrast medium flow rates are specified in the REF table below.

Max injector pressure: V300psi

Max fluid density: 12cP

Pre:heating of contrast medium to 37°C is recommended



1 MicroCLAVE® is a registered trademark of ICU Medical, Inc.

2 Grip-Lok® is a registered trademark of TIDI Products, LLC.

REFERENCES

REF	Lumen	Catheter Size	Catheter Material	Effective Length	Max Power Flow Rate	Reverse	Depth markings
201.62.10.13	Single	3FR	Polyurethane	250mm	2ml/s	Yes	Yes
201.62.10.14	Single	4FR	Polyurethane	250mm	5ml/s	Yes	Yes
201.62.10.15	Single	5FR	Polyurethane	250mm	7ml/s	Yes	Yes
201.62.10.24	Double	4FR	Polyurethane	250mm	2ml/s	Yes	Yes
201.62.10.25	Double	5FR	Polyurethane	250mm	5ml/s	Yes	Yes

PACKAGING

Box: 5 units

Sterile Unit: rigid PET-G blister tray sealed onto tyvek lid (primary sterile barrier), external paper pouch (secondary sterile barrier).

INTENDED USE

The HEALTH*MID* is indicated to be a venous peripherally implanted access for short to mid-term use.

In order to permit intravenous administration of fluids, medications, nutritional therapy and to withdraw blood samples.

The catheter should be inserted through a vein of the upper arm and is also indicated for “Power” injection of contrast media.

HEALTH*MID* is not a CENTRAL venous catheter, the insertion is easier than a PICC because is not requested the control of the catheter tip position.

WARNING:

The use of HEALTH*MID* is NOT indicated to infuse fluids with osmolarity >800 mOsm/L, pH<5 and pH>9, vesicants and/or potentially irritating the endothelium.

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and industrial technology

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