



Arrow

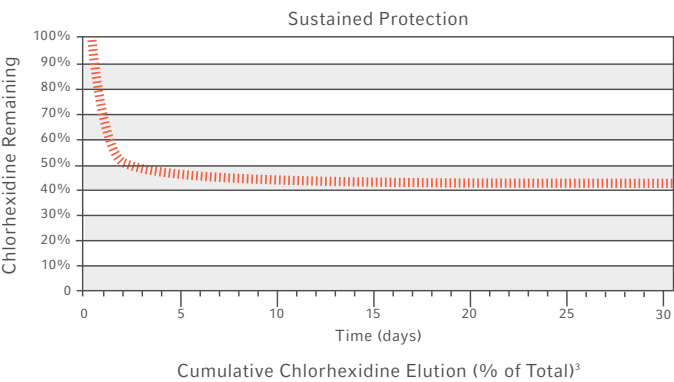
PICC with Arrowg+ard Blue Advance Technology

Antithrombogenic & Antimicrobial
Discover the protection of blue



Protective Technology

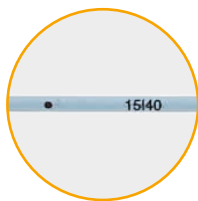
Arrowg+ard Blue Advance Technology is a protective technology using chlorhexidine that is chemically bonded to the internal and external catheter surfaces. This helps to protect the catheter from complications such as thrombus accumulation² and microbial colonisation on catheter surfaces.^{2,3}



Delivers at least 30 days of protection
An initial burst of chlorhexidine after insertion provides immediate catheter protection. The chlorhexidine continues to be released over time, offering sustained protection.^{2,3}

Enhanced to Protect Against Catheter Complications.

Reduce catheter occlusion.¹ Decrease catheter thrombus accumulation.² Lessen catheter microbial colonisation.³ Performance clinicians can count on – the Arrow Pressure Injectable PICC with Arrowgard Blue Advance Technology from Teleflex.



Centimeter markings
Designate length of PICC
in or out of the patient



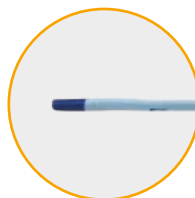
Pressure injectable
Maximum flow rate capabilities
clearly marked on catheter hubs



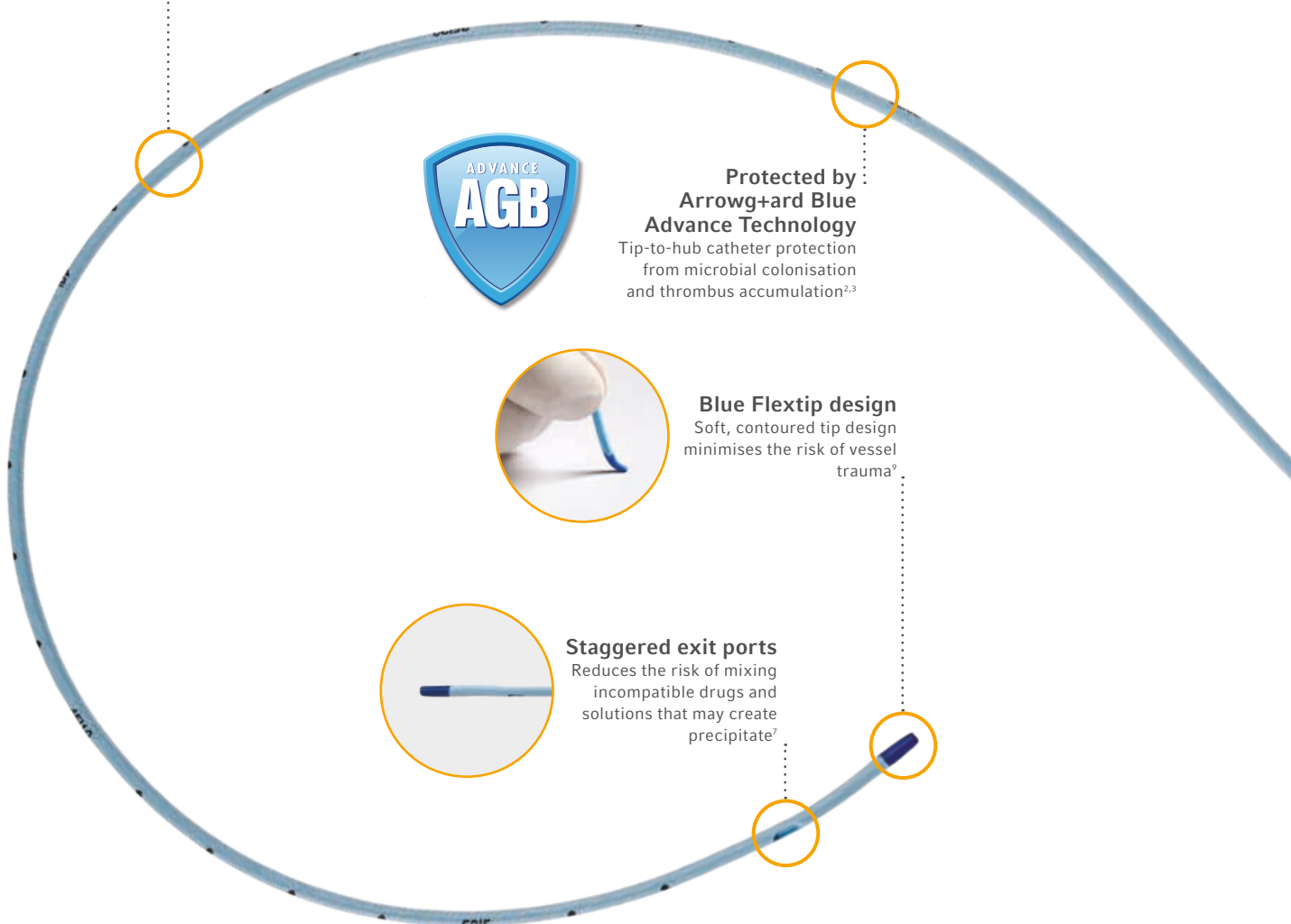
**Protected by
Arrowgard Blue
Advance Technology**
Tip-to-hub catheter protection
from microbial colonisation
and thrombus accumulation^{2,3}

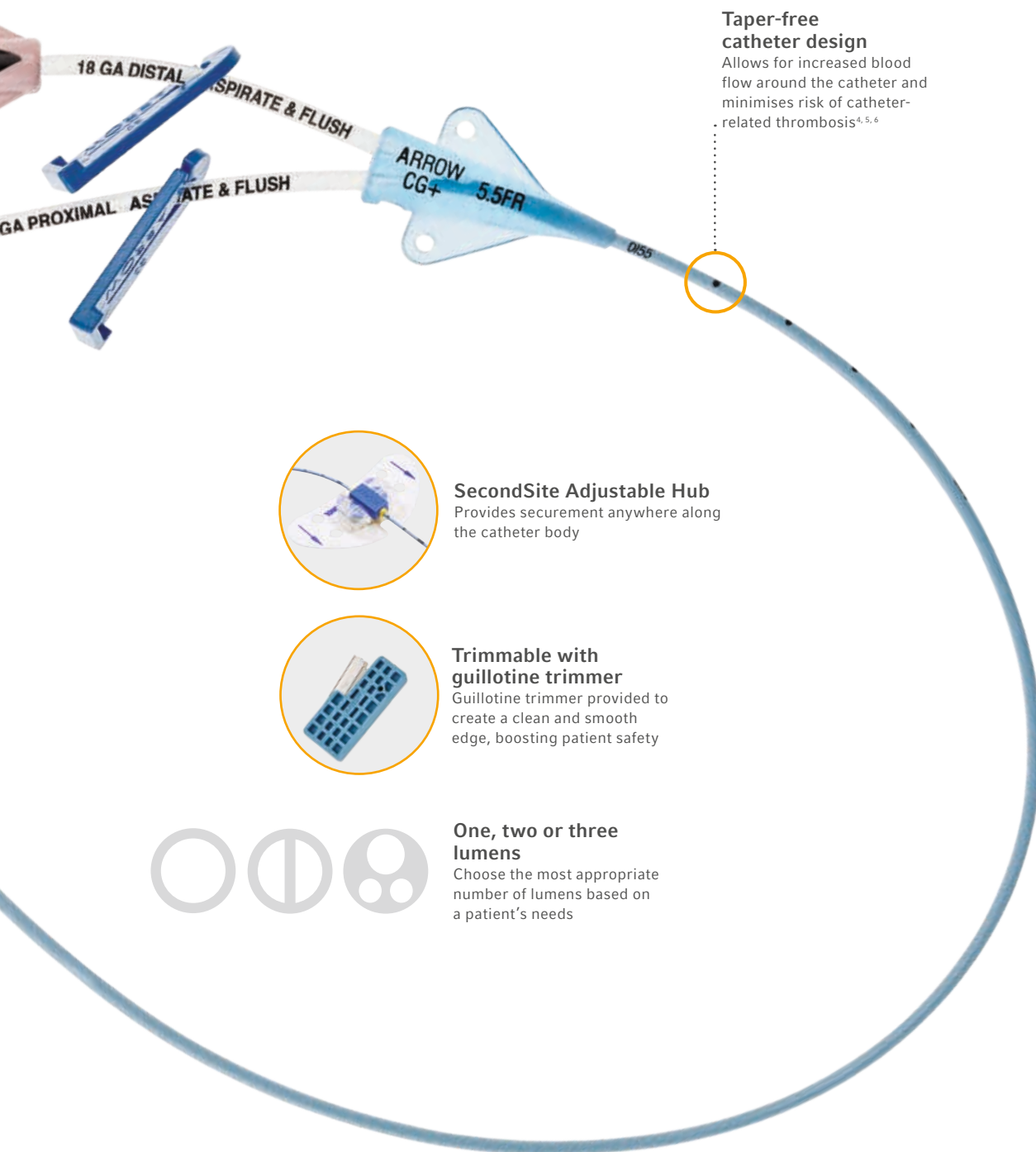


Blue Flextip design
Soft, contoured tip design
minimises the risk of vessel
trauma⁹



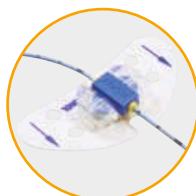
Staggered exit ports
Reduces the risk of mixing
incompatible drugs and
solutions that may create
precipitate⁷





Taper-free catheter design

Allows for increased blood flow around the catheter and minimises risk of catheter-related thrombosis^{4, 5, 6}



SecondSite Adjustable Hub

Provides securement anywhere along the catheter body



Trimable with guillotine trimmer

Guillotine trimmer provided to create a clean and smooth edge, boosting patient safety



One, two or three lumens

Choose the most appropriate number of lumens based on a patient's needs

*To discover the power of blue,
count on the blue PICC with the Plus*

To learn more, visit ARROWGARDBLUEADVANCE.COM

Flow Rate Information

LENGTHS	1 LUMEN (17 G)		2 LUMENS (18 G, 18 G)		3 LUMENS (18 G, 19 G, 19 G)	
	FLOW RATE ML/HR	MAX FLOW RATE ML/SEC	FLOW RATE ML/HR	MAX FLOW RATE ML/SEC	FLOW RATE ML/HR	MAX FLOW RATE ML/SEC
40 cm	1510	5	500–520	5–5	1370–490–510	6–No CT–No CT
50 cm	1210	5	400–410	5–5	1120–410–420	6–No CT–No CT
55 cm	1100	5	360–370	5–5	1060–370–370	6–No CT–No CT

Ordering Information

Arrow PICC with with Arrowg+ard Blue Advance Technology in Ergopack System

Maximal Barrier Precautions • Modified Seldinger • Bedside Insertion Trays

LUMENS	SIZE	REF.			
		LENGTH 40 CM	LENGTH 50 CM	LENGTH 55 CM	
1	4.5 Fr.	CDA-44041-HPK1A	CDA-45041-HPK1A	CDA-45541-HPK1A	
2	5.5 Fr.	CDA-44052-HPK1A	CDA-45052-HPK1A	CDA-45552-HPK1A	
3	6 Fr.	CDA-44063-HPK1A*	CDA-45063-HPK1A*	CDA-45563-HPK1A	

Kit Contents:

Arrowg+ard Blue Advance PICC, GlideThru Microintroducer, Echogenic Introducer Needle 21 G x 7 cm, Echogenic Introducer Needle Safety 21 G x 7 cm, 0.018" x 45 cm Nitinol Guidewire, Safety Scalpel #11, 25 G Hypodermic Needle Safety, 10 ml Luer-Lock Syringe, 3 ml Luer-Lock Syringe, Filter Straw, Sharps Away II Locking Disposal Cup, Sharps Away Disposal Cup, Catheter Trimmer Safety, Sutureless Stabilization Device, 10 x 15.5 cm Transparent Dressing, Tourniquet (packaged within the exterior pouch), 2 Measuring tape (1 packaged within the exterior pouch), 10 Gauze Pad 10 cm x 10 cm, 10 Gauze Pad 5 cm x 5 cm, Secondsite Adjustable Hub: catheter clamp & fastener, Hemo-Hopper Fluid Receptacle, Dust Cap: non-vented (1 x lumen), Adhesive Strips, Full Body drape, Fenestrated drape, Surgical gown, Mask (packaged within the exterior pouch), Mask with Eyeshield, Cap, Absorbent Towel, Towel.

Docs: Insertion Checklist, Flow Rate Information Card with Injection Log, Chart Sticker, Patient ID Card, Patient Information Booklet.

* Please contact your local representative and check availability before placing the order.

Ordering Information

Arrow PICC with Arrowg+ard Blue Advance Technology

Modified Seldinger • Basic Nursing Tray

LUMENS	SIZE	REF.			
		LENGTH 40 CM	LENGTH 50 CM	LENGTH 55 CM	
1	4.5 Fr.	PR-44041-BAS	PR-45041-BAS	PR-45541-BAS	
2	5.5 Fr.	PR-44052-BAS	PR-45052-BAS	PR-45552-BAS	
3	6 Fr.	PR-44063-BAS	PR-45063-BAS	PR-45563-BAS	

Kit Contents:

Arrowg+ard Blue Advance PICC, GlideThru Microintroducer, Echogenic Introducer Needle 21Gax7Cm, Echogenic Introducer Needle Safety 21Gax7Cm, 0.018 in. x45 Cm Nitinol Guidewire, Safety Scalpel #11, 10 ml Luer-Lock Syringe, Sharps Away II Locking Disposal Cup, Catheter Trimmer Safety, Sutureless Stabilization Device, Tourniquet (packaged within the exterior pouch), 2 Measuring tapes (1 packaged within the exterior pouch) , Secondsite Adjustable Hub: catheter clamp & fastener, Dust Cap: non-vented (1xlumen).

Docs: Flow Rate Information Card with Injection Log, Chart Sticker, Patient ID Card, Patient Information Booklet.

References

1. As compared to uncoated PICCs, in vitro model measuring flush pressure post exposure to human blood. No correlation between these testing methods and clinical outcome has currently been ascertained.
2. As compared to uncoated PICCs, intravascular ovine model inoculated with Staph aureus. No correlation between these testing methods and clinical outcome has currently been ascertained.
3. In vitro data on file 2010. No correlation between these testing methods and clinical outcome has currently been ascertained.
4. Nifong, R.J. T., McDevitt, T. The Effect on Catheter to Vein Ratio on Blood Flow Rates in a Simulated Model of Peripherally Inserted Central Venous.
5. Grove JR, Pevec WC. "Venous Thrombosis Related to Peripherally Inserted Central Catheters." Journal of Vascular and Interventional Radiology. 2000; 11: 837-840.
6. Trerotola, S., Stravropoulos, S., Mondeschein, J., Patel, A., Fishman, N., Fuchs, B., Kolansky, D., Kasner, S., Pryor, J., Chittams, J. Triple-Lumen Peripherally Inserted Central Catheter in Patients in the Critical Care Unit: Prospective Evaluation. Radiology. 2010; 256 (1.2).
7. Collins JL, Lutz RJ. In Vitro Study of Simultaneous Infusion of Incompatible Drugs in Multilumen Catheters. Heart & Lung. 1991; 20(3):271-7.
8. In vitro data on file. No correlation between these testing methods and clinical outcome has currently been ascertained.
9. Rosenbauer KA, Herzer JA. Surface morphology and tensile force at breaking point or different kinds of intravenous catheters before and after usage. Scan Electron Microsc. 1981; (Pt 3):125-30.

Contraindication

The Arrow PICC with Arrowg+ard Blue Advance Technology is contraindicated for patients with known hypersensitivity to chlorhexidine.

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Arrow Pressure Injectable PICC

Expect more from your PICC



Expect More from your PICC

Distinct Labeling
pressure injection capabilities
are marked on the extension line
hubs with each lumen's
maximum flow rate

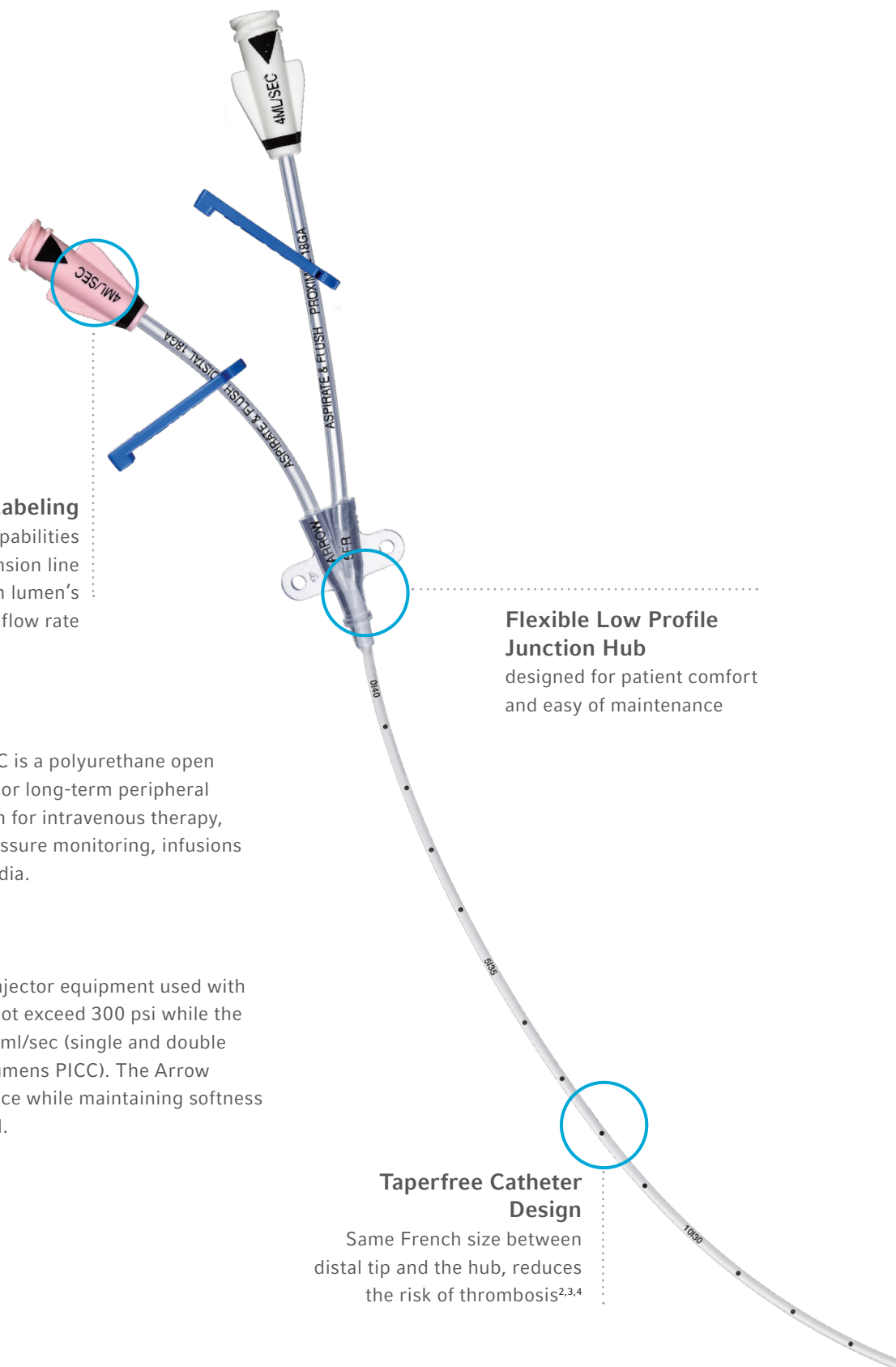
**Flexible Low Profile
Junction Hub**
designed for patient comfort
and easy of maintenance

The Arrow Pressure Injectable PICC is a polyurethane open ended catheter, indicated for short or long-term peripheral access to the central venous system for intravenous therapy, blood sampling, central venous pressure monitoring, infusions and power injection of contrast media.

Pressure Injection Capability

The maximum pressure of power injector equipment used with the Pressure Injectable PICC may not exceed 300 psi while the maximum flow rate of infusion is 4 ml/sec (single and double lumens PICC) and 6ml/sec (triple lumens PICC). The Arrow Polyurethane ensures high resistance while maintaining softness and gentleness once into the vessel.

**Taperfree Catheter
Design**
Same French size between
distal tip and the hub, reduces
the risk of thrombosis^{2,3,4}



Choose the right size and lumen configuration

The Arrow Pressure Injectable PICC is available in three different sizes and lumen configurations, all with Blue FlexTip (4,5,6 FR 1,2,3 lumen).

Blue FlexTip and Staggered Exit Ports

- The contoured design is softer than the rest of the catheter, which allows for smooth maneuvering through narrow, tortuous vessels with less trauma.
- With this unique tip design, multi-lumen PICC's have staggered ports.

Blue FlexTip

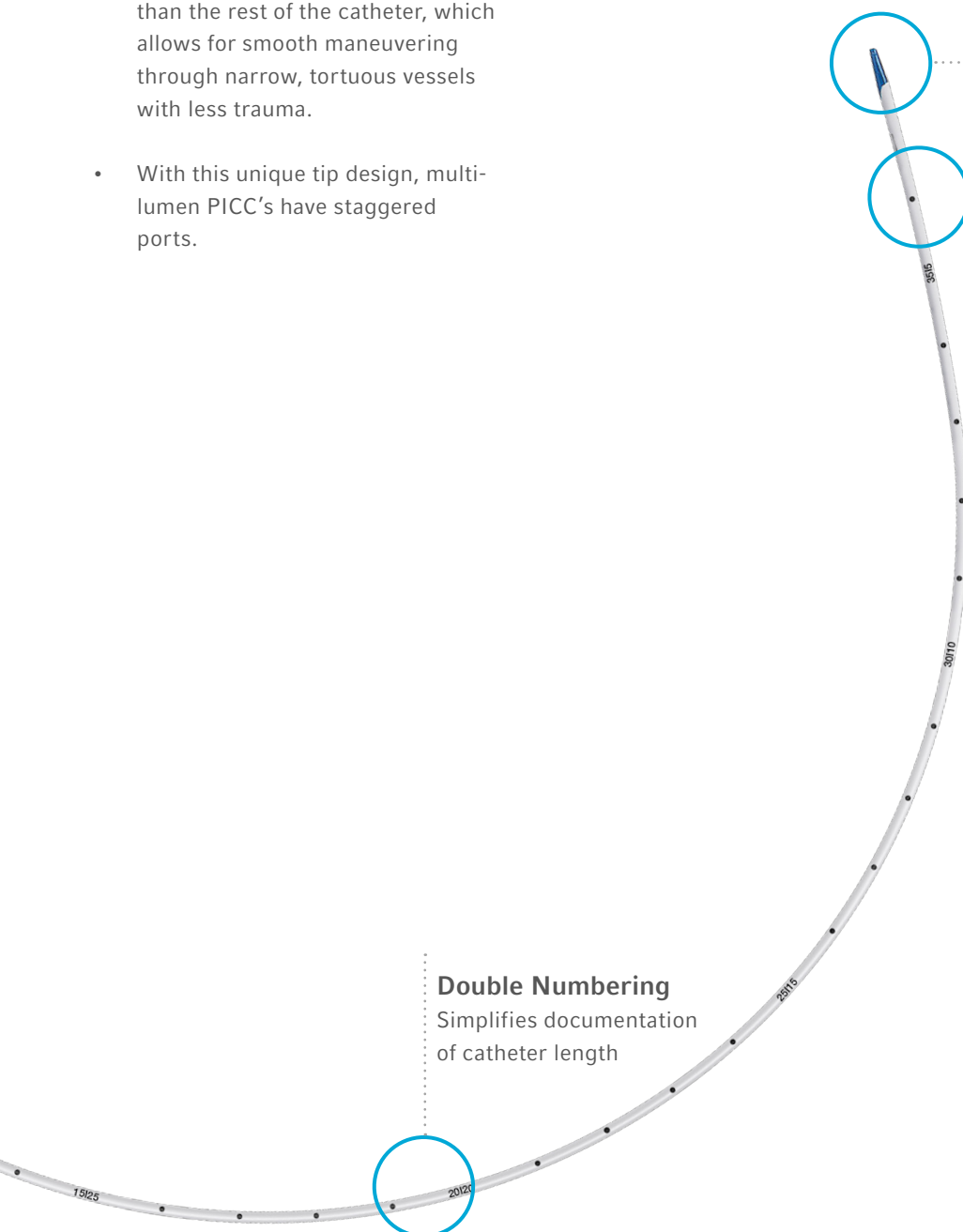
Unique to Arrow. Soft contoured tip design to enhance maneuverability while minimising vessel trauma

Staggered Exit Ports

Reduce the risk of mixing incompatible medications that can create precipitate¹

Double Numbering

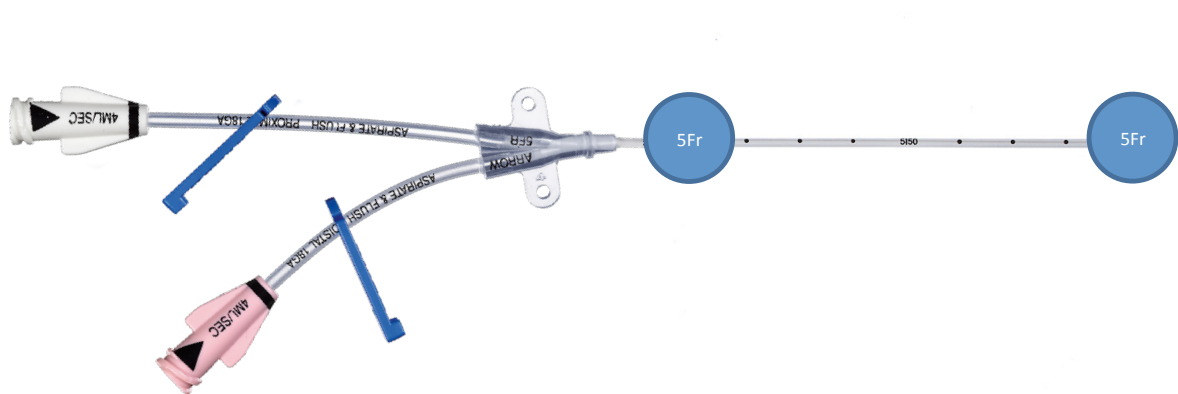
Simplifies documentation of catheter length



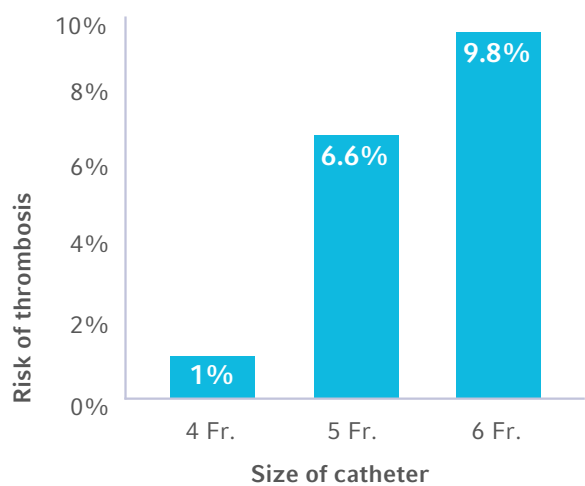
Minimise the risk of thrombosis when you choose your catheter

The TAPERFREE catheter’s design assures the same French size between distal tip and the hub, to help the inserter to

comply with INS SOP to choose a catheter with a 45% or less catheter to vein ratio that reduces the risk of thrombosis.^{2,3,4,6}



Risk of thrombosis rises as french size increases²



Why TAPERFREE catheter’s design matter?

According to a study, the risk of thrombosis rises as French size increases³ (see chart). To minimise this risk, the authors recommend using the smallest acceptable catheter required for the therapy. Tapered catheter bodies can show a significantly different French size between distal tip and the hub, up to two French sizes larger than what’s actually labeled.⁵ This type of design puts the widest portion of the catheter into the narrowest portion of the vein.

The TAPERFREE catheter design has a consistent French size along the entire catheter body, which ensures more blood flow around the catheter.^{3,6}

1. Collins JL, Lutz RJ. In Vitro Study of Simultaneous Infusion of Incompatible Drugs in Multilumen Catheter. Heart & Lungs. 1991; 20(3):271-7
2. Nifong, T., McDevitt, T. The Effect on Catheter to Vein Ratio on Blood Flow Rates in a Sumulated Model of Peripherally Inserted Central Venous. Chest 2011;140:48-53
3. Grove JR, Pevec WC. “Venous Thrombosis Related to Peripherally Inserted Central Catheters.” Journal of Vascular and Interventional Radiology.2000; 11: 837-840.
4. Trerotola, S., Stravropoulos, S., Mondeschein, J., Patel, A., Fishman, N., Fuchs, B., Kolansky, D., Kasner, S., Pryor, J., Chittams, J. Triple-Lumen Peripherally Inserted Central Catheter in Patients in the Critical Care Unit: Prospective Evaluation. Radiology. 2010; 256 (1.2).
5. Data on file
6. INS Standards of Practice 44.1S, Infusion Nursing Society Standards of Practice 2021

Product and Ordering Information

Arrow Pressure Injectable PICC								ARROW
LUMEN	REF.	KIT CONFIGURATION	OUTER Ø (FR)	INNER Ø* (GAUGE)	LENGTH (CM)	MAX FLOW RATE* (ML/SEC)	FLOW RATE* (ML/HR)	QTY
1	EU-25541-HPMSB	Max Barrier Nursing	4	18	55	4	660	5
	EU-25541-HP	Basic Nursing						5
	EU-25541-IR	Interventional Radiology						5
2	EU-25552-HPMSB	Max Barrier Nursing	5	18/18	55	4/4	480/540	5
	EU-25552-HP	Basic Nursing						5
	EU-25552-IR	Interventional Radiology						5
3	EU-25563-HPMSB	Max Barrier Nursing	6	17/19/19	55	6/NoCT/NoCT	1070/390/360	5
	EU-25563-HP	Basic Nursing						5

*Distal/Proximal/Medial

Kit Components		ARROW																														
	KIT CONFIGURATION	ARROW PRESSURE INJECTABLE PICC	GLIDETHRU MICROINTRODUCER	ECHOGENIC INTRODUCER NEEDLE 21GX7CM	0.018 IN X 45 CM NITINOL GUIDEWIRE	0.018 IN X 130 CM STAINLESS STEEL GUIDEWIRE	SCALPEL, SAFETY	25 GA HYPODERMIC NEEDLE, SAFETY	22GA HYPODERMIC NEEDLE, SAFETY	10 ML SYRINGE	3 ML SYRINGE	FILTER NEEDLE	SHARPS AWAY LOCKING DISPOSAL CUP	CATHETER TRIMMER, SAFETY	NEEDLE FREE CONNECTORS	FULL BODY DRAPE	FENESTRATED DRAPE	SURGICAL GOWN	MASK	MASK WITH EYESHIELD	CAP	ABSORBENT TOWEL	TOWEL	HEMO-HOPPER FLUID RECEPTACLE	SUTURELESS FIXATION DEVICE	TRANSPARENT DRESSING	TOURNIQUET	TAPE	MEASURING TAPE	GAUZE PAD 5CMX5CM	GAUZE PAD 10 CM X 10 CM	ULTRASOUND STERILE PROBE COVER
Maximal Barrier Nursing Kit		•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Basic Nursing Kit		•	•	•	•		•			•			•	•	•										•			•		•		
Interventional Radiology Kit		•	•	•		•	•			•			•	•	•										•		•			•		

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