

Information for clinical choice

Safety integrated dual port peripheral intravenous cannula (PIVC)

Introduction

Information for clinical choice (ICC) has been developed to support clinicians and procurement teams in the decision-making process when assessing the suitability of a product by providing a clear illustration and description of the foundation features of a range of similar products supplied through NHS Supply Chain.

This product matrix and supporting statement provide a comparative overview of all awarded **safety integrated dual port PIVC** products available through NHS Supply Chain.

Please see the Contract Information Page to view the filterable matrix for these products - www.supplychain.nhs.uk/intravenous-cannula

The information presented has been developed by a team of Clinical Specialists through a structured review of product information, technical data and supplier submissions and engagement with clinical stakeholders across the NHS.

The aim of this ICC is to support clinically informed product selection and product-switching decisions that deliver value and efficiencies to frontline NHS services, whilst ensuring that clinical choice and patient safety remain central to decision-making.

Intravenous Cannula and Associated Products - Safety integrated (dual port) PIVC

A safety-engineered PIVC designed with an integrated extension set, an access component designed to support vascular access, infusion therapy, catheter stabilisation and sharps injury prevention. The integrated design aims to reduce catheter hub manipulation, support securement, facilitate access to the vascular device away from the insertion site and promote safer catheter management practices.

^{1, 4, 5, 6, 7}

The PIVCs in this ICC are all:

1. Sterile
2. Single use
3. Latex free
4. DEHP free.

Key characteristics

Passive safety mechanism

Designed with a safety-engineered sharps protection mechanism that automatically shields or encapsulates the introducer needle during withdrawal, designed to reduce the risk of needlestick injury and exposure to blood and body fluids. ^{1, 2, 3}

Integrated extension set

Features a pre-attached extension set connected directly to the catheter hub, providing vascular access away from the insertion site and reducing manipulation of the catheter connection. ^{1, 4, 5, 6}

Flashback chamber

Incorporates a transparent flashback chamber that enables visual confirmation of venous access through observation of blood return during cannulation, supporting accurate catheter placement. ^{1,4,5}

Dual port access configuration

Incorporates two integrated access points, comprising a needle-free access connector and an additional access port, to facilitate the administration of compatible intravenous therapies, flushing procedures and vascular access device management. ^{4,5,6}

Integrated stabilisation platform

Features a flexible integrated wings or stabilisation base, incorporated into the catheter assembly, providing catheter securement and dressing application for stability thereby reducing catheter movement at the insertion site and helping maintain catheter function throughout device dwell. ^{1,4,5,7}

Echogenicity

Ultrasound-guided vascular access is recognised within contemporary vascular access practice and is recommended where clinically appropriate to support vessel assessment, device selection and catheter insertion.

PIVC introducer needles can be visualised under ultrasound guidance to varying degrees. Ultrasound visibility influenced by needle design, insertion angle and device-specific characteristics. ^{1,4,6}

Some manufacturers incorporate dedicated echogenic technology, surface texturing or echogenic markings to enhance ultrasound visibility, while others utilise electropolished needle surfaces designed to facilitate smooth insertion.

The presence and extent of echogenic features should be verified against the manufacturer's Instructions for Use (IFU), technical specifications and product data sheets.

Safety Integrated Dual Port PIVC – Part 1				
Supplier	Balmung Medical Handel GmbH	Crest Medical Ltd	Fannin UK Limited	GBUK Ltd
Brand	Balmung	Sol-Care	SentraCath	Nouvo Safety Set
MPC	WLZ1820-25-P	WLZ1820	SML/1983/20/P	SICW2032-GSC
NPC	TBC	TBC	FSP5033	FSP4955
Description	Safety Integrated Dual Port PIVC	Safety Integrated Dual Port PIVC	Safety Integrated Dual Port PIVC	Safety Integrated Dual Port PIVC
Picture				
UOI	Box of 50	Box of 50	Box of 20	Box of 20
Safety Mechanism (Active or Passive)	Passive	Passive	Passive	Passive
Cannula (G) and catheter length (mm)	20G x 25mm	20G x 25mm	20G x 32mm	20G x 32mm
Range	18G x 32mm 18G x 25mm 20G x 25mm 20G x 32mm 22G x 25mm	18G x 32mm 20G x 25mm 22G x 25mm 24G x 19mm 26G x 16mm	18G x 32mm 18G x 45mm 20G x 32mm 22G x 25mm 24G x 19mm	18G X 32mm 20G x 32mm 22G X 25mm 24G X 19mm

Supply Chain

	22G x 19mm 24G x 19mm			
Gravity flow rate (mL/min)	58 mL/min	84 mL/min	58 mL/min	58 mL/min
Validated for CT Contrast Power Injection (Yes/No)	✓	✓	✓	✓
Maximum validated pressure rating (PSI)	305 PSI	325 PSI	300 PSI	300 PSI
Power Injectable Flow Rate (mL/sec)	10 mL/sec	10 mL/sec	-	60mL/sec
MRI status (Safe / Conditional / Unsafe / N/A)	Safe	Conditional	Safe	Safe
Radiopaque Catheter (PUR or FEP)	PUR	PUR	PUR	PUR
Dual Needle Free Connector	✓	✓	✓	✓
Listed on the current Ethypharm/Aurum compatibility chart (Yes/No)	✗	✗	✗	✓
Integrated extension (Y/N) length (mm)	Yes 105mm	Yes 105mm	Yes 95mm	Yes
Subcutaneous Use (Yes/No)	✗	✗	✓	✓
Fenestrated or non-fenestrated cannula	Fenestrated	Fenestrated	Non - Fenestrated	Non - Fenestrated

Safety Integrated Dual Port PIVC – Part 2				
Supplier	Infutech Ltd	Mediq Healthcare UK Ltd	OscarTech UK Ltd	Reflex Medical Limited
Brand	Deltaven	Clearsafe Comfort	Easy-Vein Control Way	Gen X
MPC	3931422	MSI-IVCDPI22032	3AQ318	TBD.18
NPC	FVJ85036	TBC	TBC	TBC
Description	Safety Integrated Dual Port PIVC	Safety Integrated Dual Port PIVC	Safety Integrated Dual Port PIVC	Safety Integrated Dual Port PIVC
Picture			-	-
UOI	Box of 20	Box of 20	Each	
Safety Mechanism (Active or Passive)	Passive	Passive	Passive	-
Cannula (G) and catheter length (mm)	20G x 25mm	20G x 32mm	18G x 32mm	-
Range	16G-26G - 19mm-45mm	18G x 32mm 20G x 25mm 20G x 32mm 22G x 25mm 24G x 19mm	20G x 32mm 22G x 32mm 24G x 19mm	-
Gravity flow rate (mL/min)	59 mL/min	61 mL/min	90 mL/min	-
Validated for CT Contrast Power Injection (Yes/No)	✓	✗	✗	-
Maximum validated pressure rating (PSI)	325 PSI	300 PSI	N/A	-
Power Injectable Flow Rate (mL/sec)	8 ml/sec	10 ml/sec	-	-
MRI status (Safe / Conditional / Unsafe / N/A)	Safe	Unsafe	N/A	-
Radiopaque Catheter (PUR or FEP)	PUR	PUR	PUR	-
Dual Needle Free Connector	✓	✓	✓	-
Listed on the current Ethypharm/Aurum compatibility chart (Yes/No)	✓	✗	✗	-
Integrated extension (Y/N) length (mm)	Yes 100mm	Yes 135mm	Yes	-

Subcutaneous Use (Yes/No)	✓	✗	✓	-
Fenestrated or non-fenestrated cannula	Fenestrated	Non - Fenestrated	Non - Fenestrated	-

Safety Integrated Dual Port PIVC – Part 3			
Supplier	Smiths Medical International Ltd	Sol-Millennium UK	Terumo UK Ltd
Brand	Deltaven	Sol-Care	Closia
MPC	3821522	CIV012	SR+CS2619DN
NPC	TBC	TBC	TBC
Description	Safety Integrated Dual Port PIVC	Safety Integrated Dual Port PIVC	Safety Integrated Dual Port PIVC
Picture	-		
UOI	-	Box of 50	Box of 25
Safety Mechanism (Active or Passive)	-	Passive	Passive
Cannula (G) and catheter length (mm)	-	20G x 30mm	-
Range	-	-	16G - 26G - 19 mm, 25 mm, 32 mm
Gravity flow rate (mL/min)	-	49 mL/min	56 mL/min
Validated for CT Contrast Power Injection (Yes/No)	-	✗	✓
Maximum validated pressure rating (PSI)	-	300 PSI	330 PSI
Power Injectable Flow Rate (mL/sec)	-	-	-
MRI status (Safe / Conditional / Unsafe / N/A)	-	Conditional	Safe
Radiopaque Catheter (PUR or FEP)	-	PUR	PUR
Dual Needle Free Connector	-	✓	-
Listed on the current Ethypharm/Aurum compatibility chart (Yes/No)	-	✗	✓

Integrated extension (Y/N) length (mm)	-	Yes 90mm	-
Subcutaneous Use (Yes/No)	-	✓	✓
Fenestrated or non-fenestrated cannula	-	Fenestrated	-

References:

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6. National IV and Vascular Access Society (NIVAS) (2026) NIVAS Clinical Standards for Vascular Access and Intravenous Infusion Therapy. 1st edn. United Kingdom: NIVAS. Available at: [NIVAS-Standards-for-infusion-therpay-and-vascular-acess-July-26-Published-version-1.pdf](#)
7. Thompson, J. et al. (2024) 'Standards of Care for Peripheral Intravenous Catheters: Evidence-Based Expert Consensus', Journal of the Association for Vascular Access. Available at: [java-d-24-00011-woc.pdf](#)

If you have any questions, would like further information or have feedback to share please contact the Medical Surgical and Rehabilitation Community Team:

Maya Aquino-Guerrero – Clinical Specialist Lead, IV Therapy and Vascular Access Frameworks, Medical and Surgical Consumables
maya.guerrero@supplychain.nhs.uk

Jo Birtwhistle – Clinical Specialist Lead, IV Therapy and Vascular Access Frameworks, Medical and Surgical Consumables
joanne.birtwhistle@supplychain.nhs.uk

Dan Lewin – Head of Clinical, Medical and Surgical Consumables
dan.lewin@supplychain.nhs.uk

