

Information for clinical choice

Safety peripheral intravenous cannula (PIVC) ported with wings

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 Peripheral Intravenous Cannula (PIVC) Ported with Wings** 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 peripheral intravenous cannula (PIVC) ported with wings

A safety PIVC ported with wings is defined as a safety-engineered peripheral vascular access device designed to provide short-term peripheral venous access for the administration of prescribed intravenous therapies.

The PIVCs in this ICC are:

1. Sterile
2. Single use
3. Latex free
4. DEHP free
5. Non – fenestrated.

Key characteristics:

Passive safety mechanism

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.

Integrated injection port

Features a capped injection port (sometimes called as access port) on the cannula hub to support medication administration and flushing procedures.

Stabilisation wings

A flexible integrated wings on either side of the cannula hub, to assist device control during insertion and support catheter securement and stability in situ.

Flashback chamber

A transparent flashback hub designed to provide visual confirmation of venous access with a blood return during cannulation, supporting accurate placement.

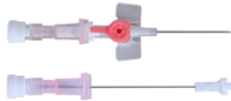
Echogenicity

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.

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 Peripheral Intravenous Cannula Ported with Wings - Part 1				
Supplier	Balmung Medical Handel GmbH	B Braun Medical Limited	Crest Medical Ltd	Critical Healthcare Ltd
Brand	Balmung	Vasofix Safety	Sol-Care (Sol Millenium)	Gloflon Safety
MPC	ZLZ0820-32-P	4269110S-01	ZLZ2820	4580202G
NPC	TBC	FSP2154	TBC	TBC
Description	Safety Peripheral Intravenous Cannula Ported with Wings	Safety Peripheral Intravenous Cannula Ported with Wings	Safety Peripheral Intravenous Cannula Ported with Wings	Safety Peripheral Intravenous Cannula Ported with Wings
Picture				
UOI	Box of 50	Box of 50	Box of 50	Box of 100
Safety Mechanism (Active or Passive)	Passive	Passive	Passive	Passive
Cannula (G) and Catheter Length (mm)	20G x 32mm	20G x 33mm	20G x 32mm	20G x 33mm
Range	14G x 32mm 14G x 45mm 16G x 32mm 16G x 45mm 17G x 45mm 18G x 32mm 18G x 45mm 20G x 25mm 20G x 32mm 22G x 25mm 24G x 16mm 26G x 16mm	14G x 50mm 16G x 50mm 17G x 45mm 18G x 33mm 18G x 45mm 20G x 33mm 22G x 25mm 24G x 19mm	14G x 50mm 16G x 50mm 18G x 32mm 18G x 45mm 20G x 25mm 20G x 32mm 22G x 25mm 24G x 19mm 26G x 16mm	14G x 45mm 16G x 45mm 17G x 45mm 18G x 45mm 22G x 25mm 24G x 19mm 26G x 19mm
Gravity Flow Rate (mL/min)	60 mL/min	61 mL/min	60 mL/min	61 mL/min
Validated for CT Contrast Power Injection (Yes/No)	×	×	×	×
Maximum validated pressure rating (PSI)	N/A	43.5 PSI	N/A	N/A
Power Injectable Flow Rate (mL/sec)	-	-	-	-
MRI status (Safe / Conditional / Unsafe)	Safe	Safe	Conditional	Unsafe
Radiopaque Catheter PUR or FEP	PUR	PUR	PUR	FEP
Blood Control (Yes/No)	×	×	×	×
Subcutaneous Use (Yes/No)	×	×	×	✓

Safety Peripheral Intravenous Cannula Ported with Wings - Part 2				
Supplier	Fannin UK Limited	GBUK Ltd	Greiner Bio-One Ltd	Infutech Ltd
Brand	SentraFlex	PolySafety Adva	CLIP Ported	Neo Delta Self Safe 2
MPC	A/1101/20/P	SICPAW2032P	VP203211	3733122
NPC	FSB1129	FSP4784	FSB2023	TBC
Description	Safety Peripheral Intravenous Cannula Ported with Wings	Safety Peripheral Intravenous Cannula Ported with Wings	Safety Peripheral Intravenous Cannula Ported with Wings	Safety Peripheral Intravenous Cannula Ported with Wings
Picture				
UOI	Box of 50	Box of 50	Box of 50	Box of 50
Safety Mechanism (Active or Passive)	Passive	Passive	Passive	Passive
Cannula (G) and Catheter Length (mm)	20G X 32mm	20G x 32mm	20G x 32mm	20G x 32mm
Range	18G x 32mm 18G x 45mm 20G x 32mm 22G x 25mm 24G x 19mm	14G x 45mm 16G x 45mm 17G x 45mm 18G x 32mm 18G x 45mm 20G X 32mm 22G x 25mm 24G x 19mm	14G - 26G, 19mm - 45mm)	14G - 26G, 19mm - 45mm)
Gravity Flow Rate (mL/min)	61 mL/min	61 mL/min	64 mL/min	59 mL/min
Validated for CT Contrast Power Injection (Yes/No)	×	✓	✓	✓
Maximum validated pressure rating (PSI)	N/A	325 PSI	305 PSI	325 PSI
Power Injectable Flow Rate (mL/sec)	-	10 mL/sec	12 mL/sec	12.85 mL/sec
MRI status (Safe / Conditional / Unsafe)	Safe	-	Safe	Safe
Radiopaque Catheter PUR or FEP	PUR	PUR	PUR	PUR
Blood Control (Yes/No)	×	×	×	×
Subcutaneous Use (Yes/No)	×	✓	×	×

Safety Peripheral Intravenous Cannula Ported with Wings - Part 3				
Supplier	Mediq Healthcare UK Ltd	Nipro Medical UK Ltd	OscarTech UK Ltd	Reflex Medical Limited
Brand	Klinion	Nipro Safetouch	Easy-Vein Safy Super	Provein Safe
MPC	MSI-PPVCPWS2033	NIC-SF-2032PWP-ET	3DF120	1302.2
NPC	TBC	FSN85055	TBC	TBC
Description	Safety Peripheral Intravenous Cannula Ported with Wings	Safety Peripheral Intravenous Cannula Ported with Wings	Safety Peripheral Intravenous Cannula Ported with Wings	Safety Peripheral Intravenous Cannula Ported with Wings
Picture				-
UOI	Box of 50	Box of 50	Each	-
Safety Mechanism (Active or Passive)	Passive	Passive	Passive	-
Cannula (G) and Catheter Length (mm)	20G x 32mm	20G x 32mm	20G x 32mm	-
Range	14G - 24G	14G x 50mm 16G x 50mm 18G x 32mm 18G x 50mm 20G x 32mm 20G x 50mm 22G x 25mm 22G x 32mm 24G x 25mm 24G x 19mm	14G - 24G	-
Gravity Flow Rate (mL/min)	55 mL/min	49 mL/min	65 mL/min	-
Validated for CT Contrast Power Injection (Yes/No)	×	✓	×	-
Maximum validated pressure rating (PSI)	N/A	300 PSI	N/A	-
Power Injectable Flow Rate (mL/sec)	12 mL/sec	8 mL/sec	-	-
MRI status (Safe / Conditional / Unsafe)	Safe	Conditional	Unsafe	-
Radiopaque Catheter PUR or FEP	PUR	PUR	FEP	-
Blood Control (Yes/No)	×	×	×	-
Subcutaneous Use (Yes/No)	×	×	×	-

Safety Peripheral Intravenous Cannula Ported with Wings - Part 4		
Supplier	Terumo UK Ltd	Vygon (UK) Ltd
Brand	Surshield Versatus- WP	Biovalve
MPC	SR+DS2032PD	000106102
NPC	TBC	TBC
Description	Safety Peripheral Intravenous Cannula Ported with Wings	Safety Peripheral Intravenous Cannula Ported with Wings
Picture		
UOI	Box of 50	Box of 50
Safety Mechanism (Active or Passive)	Passive	Passive
Cannula (G) and Catheter Length (mm)	20G x 32mm	20G x 32mm
Range	14 - 26G 19mm 25mm 32mm 45mm	14G 16G 18G 20G 22G
Gravity Flow Rate (mL/min)	59 mL/min	60 mL/min
Validated for CT Contrast Power Injection (Yes/No)	✓	✓
Maximum validated pressure rating (PSI)	325 PSI	350 PSI
Power Injectable Flow Rate (mL/sec)	-	11.9 mL/sec
MRI status (Safe / Conditional / Unsafe)	Safe	Safe
Radiopaque Catheter PUR or FEP	PUR	PTFE
Blood Control (Y/N)	✗	✓
Subcutaneous Use (Yes/No)	✗	✗

References:

1. Association of Anaesthetists (2025) Association of Anaesthetists guidelines: Safe vascular access 2025. *Anaesthesia*, 80(11), pp. 1381-1396.
Available at: <https://doi.org/10.1111/anae.16727>.
2. European Council (2010) Council Directive 2010/32/EU implementing the Framework Agreement on prevention from sharp injuries in the hospital and healthcare sector. Luxembourg: Official Journal of the European Union.
3. Health and Safety Executive (HSE) (2013) Health and Safety (Sharp Instruments in Healthcare) Regulations 2013: Guidance for employers and employees. London: HSE.
Available at: [Health and Safety \(Sharp Instruments in Healthcare\) Regulations 2013 - HSE](#)
4. Infusion Nurses Society (INS) (2024) Infusion Therapy Standards of Practice. *Journal of Infusion Nursing*, 47(1S), pp. S1-S285.
Available at: <https://doi.org/10.1097/NAN.0000000000000532>.
5. Loveday, H.P., Wilson, J.A., Prieto, J. and Wilcox, M.H. (2016) 'epic3: revised recommendation for intravenous catheter and catheter site care', *Journal of Hospital Infection*, 92, pp. 346-348.
Available at: [epic3: revised recommendation for intravenous catheter and catheter site care](#)
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-therapy-and-vascular-access-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:

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