INTRAVASCULAR THERAPIES

RANGE

Totally Implantable Vascular Access Devices (TIVADs)

PRODUCT GUIDE

VYGON
Value Life

WHY CHOOSE VYGON?

OVER 60 YEARS EXPERIENCE

PATIENT CARE LIES AT THE HEART OF WHAT WE DO

CLINICAL EXPERTISE

2021 C PAS 2060 Carbon Neutral Company

WE ARE A **CARBON NEUTRAL** COMPANY

MORE THAN **100 MILLION** PRODUCTS IN **110 COUNTRIES**

CONTENTS

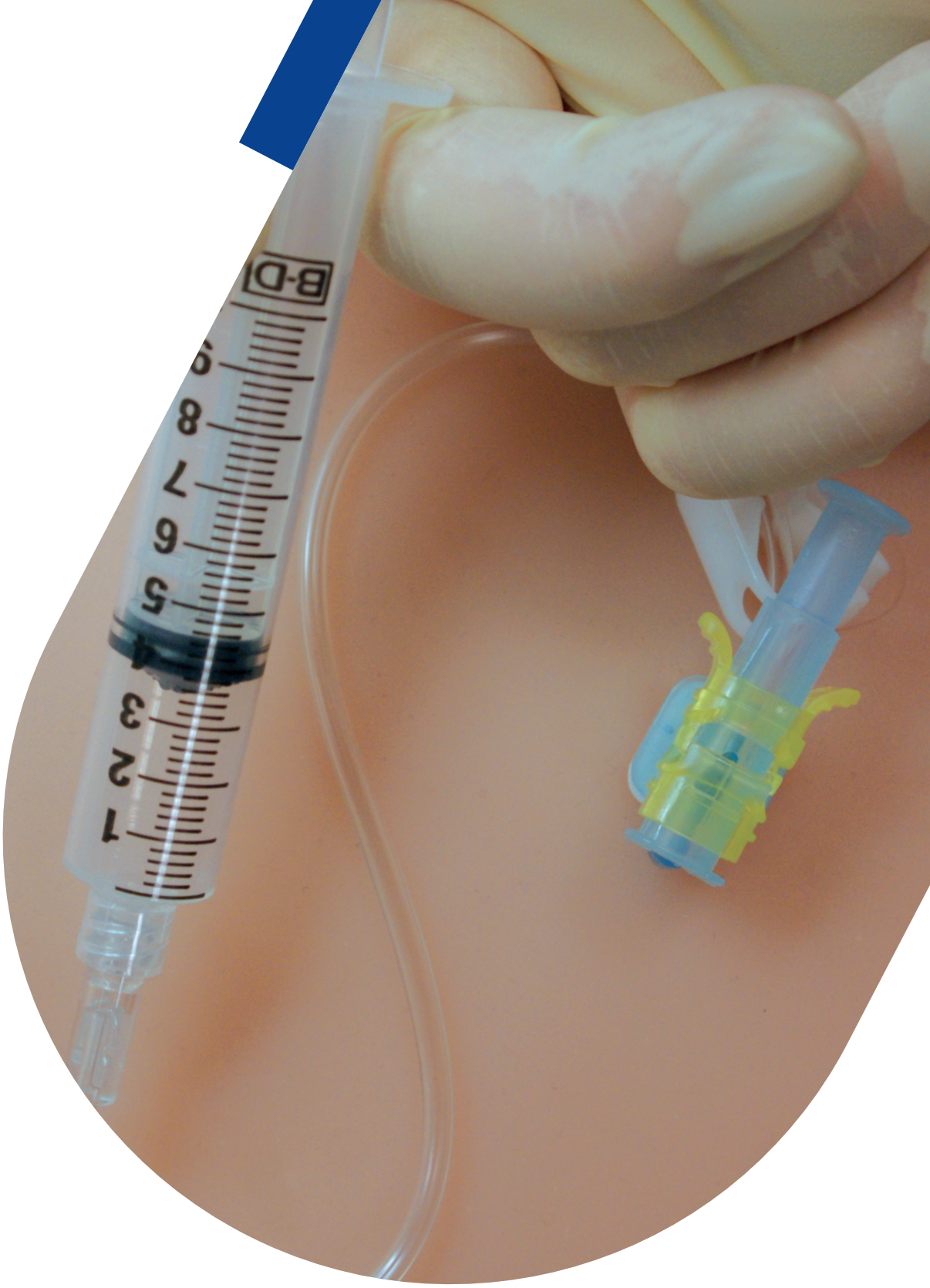
OUR SERVICE OFFERING

Customer Service & Technical Support

Talk through your enquiry with our dedicated Teams.

Education & Training

We offer our customers a variety of valuable and comprehensive training options to help you, and your teams, meet your training requirements.



THE QUALITY OF LIFE BENEFITS THAT A INDWELLING PORT SYSTEM CONFERS IS UNLIKE ANY OTHER VENOUS ACCESS DEVICE.

Ram Kasthuri, Interventional Radiologist, Gartnavel General Hospital

Totally implantable vascular access devices (TIVADs)

As vascular access experts, we work closely with clinicians and their patients to ensure that our products combine the ideal dwell time – whether that's short, medium or long-term – with ease of use, effectiveness and value for money.

Our range of TIVADs are specifically designed as totally implantable vascular access devices to deliver secure, long-term intermittent IV therapy.

With a focus on patient comfort during a variety of treatments including chemotherapy, parenteral nutrition, antibiotics, pain management, fluids and blood sampling, we provide solutions for both paediatric and adult patients.

Lightweight and safe

The hybrid combination of titanium and polyoxymethylene (POM) in our poly**site**™ and see**site**™ TIVADs produces a lightweight device that's also safer than a full plastic TIVAD. With poly**site**™ and see**site**™ there's no risk of particulate formation from the Huber needle scratching the reservoir base. Plus a smooth surface also means less dead space for bacterial ingress.

With the addition of unique radiopaque marking with maximum flow rate and identification in see**site**™, the TIVAD positioning and fluid rate is instantly detectable by x-ray.

Perfect placement

All Vygon TIVADs are available with a variety of insertion kit accessories to ensure the right placement is achieved first time using the preferred procedure.

Key

MRI MRI conditional

CT CT compatible

The poly**site**™ range is sterlised by ethylene oxide. poly**site**™ is a registered trademark of PEROUSE MEDICAL.

TIVAD selection tool

For patients requiring long-term, intermittent IV therapy.
Choose from standard, mini, micro or low profile implantable TIVADs.

	Standard hybrid TIVAD for adults	Mini hybrid TIVAD for adults and paediatrics	Micro hybrid TIVAD for paediatrics and PICC TIVAD
	poly**site**™ 4000 see**site**™ 4000	poly**site**™ 3000 see**site**™ 3000	poly**site**™ 2000 see**site**™ 2000
Description	Large, lightweight, hybrid TIVAD with titanium reservoir and POM casing. Ergonomic shape for ease of insertion into the skin pocket.	Standard, lightweight, hybrid TIVAD with titanium reservoir and POM casing. Ergonomic shape for ease of insertion into the skin pocket.	Small, lightweight, hybrid TIVAD with titanium reservoir and POM casing. Ergonomic shape for ease of insertion into the skin pocket.
Flow	325psi max 5mL/s with 19 or 20G CT Huber needle.	325psi max 3mL/s with 20 or 22G CT Huber needle.	325psi max 1mL/s with 20 or 22G CT Huber needle.
Suitable for	High BMI patients.	Normal BMI patient. Large paediatrics.	Low BMI patient or paediatrics / brachial placement.
Material	Titanium & POM	Titanium & POM	Titanium & POM
Advantages	Lighter than a full titanium TIVAD with less risk of TIVAD migration Less expensive than a full titanium TIVAD CT compatible MRI conditional Safer than a full plastic TIVAD (no risk of particulate formation from huber needle scratching reservoir base. A smooth surface also means less dead space for bacterial ingress).	Lighter than a full titanium TIVAD with less risk of TIVAD migration Less expensive than a full titanium TIVAD CT compatible MRI conditional Safer than a full plastic TIVAD (no risk of particulate formation from huber needle scratching reservoir base. A smooth surface also means less dead space for bacterial ingress).	Lighter than a full titanium TIVAD with less risk of TIVAD migration Less expensive than a full titanium TIVAD CT compatible MRI conditional Safer than a full plastic TIVAD (no risk of particulate formation from huber needle scratching reservoir base. A smooth surface also means less dead space for bacterial ingress).
Insertion technique	Surgical, standard MST or long MST kit. US-guided insertion kit with Raulerson blood-loss device (see**site**™ only).	Surgical, standard MST or long MST kit. US-guided insertion kit with Raulerson blood-loss device (see**site**™ only).	Surgical, standard MST or long MST kit. US-guided insertion kit with Raulerson blood-loss device (see**site**™ only).
Catheter material	Silicone or PUR catheter	Silicone or PUR catheter	Silicone or PUR catheter
Catheter Fr	Si - 7.2 / 9.5Fr	Si - 6.5 / 7.2Fr	Si - 5 / 6 / 6.5Fr
	PUR - 6.9 / 8 / 9Fr (6.9Fr poly**site**™ only)	PUR - 6.9Fr	PUR - 5 / 6Fr (6Fr poly**site**™ only)
Connected/ preconnected	Catheter preconnected or not preconnected.	Catheter preconnected or not preconnected.	Catheter preconnected or not preconnected.
Radiopacity	Unique radiopaque marking with max flow rate identification (see**site**™ only).	Unique radiopaque marking with max flow rate identification (see**site**™ only).	Unique radiopaque marking with max flow rate identification (see**site**™ only).

polysite™ 4000

TIVADs for adult patients

Standard hybrid construction with titanium and POM(†)

MRI CT

- Profile-shaped design
- Easy to connect
- Titanium-POM(†) combination: low weight
- Titanium reservoir: compatible with antineoplastic agents
- Radiopaque connecting ring
- MRI conditional(§) & CT compatible

TIVAD features

TIVAD type	Adult	**Septum diameter**	12.1mm
Materials	POM(†) + titanium	**Weight**	7.6g
Base diameter	30.8 x 22.6mm	**TIVAD height**	12.2mm

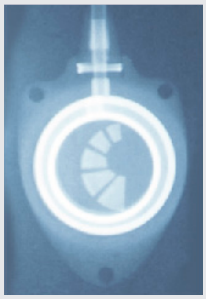
4 0 1 8 ISP

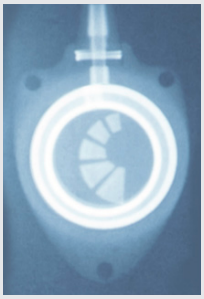
- ISP: Peel-away sheath introducer
- 4: 4000 series
- 1: preconnected
  0: not preconnected
- 1: polyurethane catheter
  0: silicone catheter
- 8: 8Fr introducer

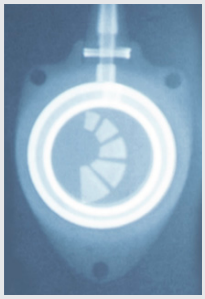
seesite™ 4000

Unique and innovative radiopaque marking

- Radiopaque marking detectable by x-ray
- Silicone filled suture holes
- Each graduation = 1 mL/s
- Radiopaque connecting ring
- Easy to check correct positioning


5 mL/s(††)


Correct TIVAD position(††)


Flipped TIVAD(††)

(†) Polyoxymethylene. (§) See polysite™ & Seesite™ IFUs. (††) Non contractual pictures.
The polysite™ range is sterilised by ethylene oxide. polysite™ is a registered trademark of PEROUSE MEDICAL.

VYGON

polysite™ 3000

TIVADs for adults and paediatric patients

Standard hybrid construction with titanium and POM(†)

MRI CT

- Profile-shaped design
- Easy to connect
- Titanium-POM(†) combination: low weight
- Titanium reservoir: compatible with antineoplastic agents
- Radiopaque connecting ring
- MRI conditional(§) & CT compatible

Max 325psi & 3mL/s with 20G or 22G CT Huber needle

TIVAD features

TIVAD type	Adult	**Septum diameter**	10.5mm
Materials	POM(†) + titanium	**Weight**	5.0g
Base diameter	25.8 x 20.9mm	**TIVAD height**	10.1mm

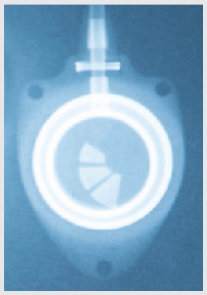
3 0 1 7 ISP

- ISP: Peel-away sheath introducer
- 3: 3000 series
- 1: preconnected
0: not preconnected
- 1: polyurethane catheter
0: silicone catheter
- 7: 7Fr introducer

seesite™ 3000

Unique and innovative radiopaque marking

- Radiopaque marking detectable by x-ray
- Silicone filled suture holes
- Each graduation = 1 mL/s
- Radiopaque connecting ring



3 mL/s

(†) Polyoxymethylene. (§) See polysite™ & Seesite™ IFUs.
The polysite™ range is sterilised by ethylene oxide. polysite™ is a registered trademark of PEROUSE MEDICAL.

polysite™ 2000

TIVADs for paediatric patients and brachial placement

Standard hybrid construction with titanium and POM(†)

MRI CT

- Good stability
- Minimum weight
- Flat lateral edges for good adherence
- Non-traumatic angle
- Radiopaque connecting rings
- Titanium reservoir: compatible with antineoplastic agents
- MRI conditional(§) & CT compatible

Max 325psi & 1mL/s with 20G or 22G CT Huber needle

TIVAD features

TIVAD type	Paediatric or adult	**Septum diameter**	7.8mm
Materials	POM(†) + titanium	**Weight**	2.9g
Base diameter	22.0 x 17.0mm	**TIVAD height**	8.7mm

2 0 1 5 ISP

- ISP: Peel-away sheath introducer
- 2: 2000 series
- 1: preconnected
0: not preconnected
- 1: polyurethane catheter
0: silicone catheter
- 5: 5Fr introducer

seesite™ 2000

Unique and innovative radiopaque marking

- Radiopaque marking detectable by x-ray
- Silicone filled suture holes
- Each graduation = 1 mL/s
- Radiopaque connecting ring

1 mL/s

(†) Polyoxymethylene. (§) See I.F.U.

The polysite™ range is sterilised by ethylene oxide. polysite™ is a registered trademark of PEROUSE MEDICAL.

VYGON

4000

4000 Silicone catheters

Vygon codes	Insertion kit	Kit number (see page 13)	Introducer sheath (Fr)	Catheter size (Fr)	Length (cm)	Preconnected catheter
VPE4008	Surgical	2	8	7.2	60	No
VPE40010	Surgical	2	10	9.5	60	No
VPE4008ISP	MST	4	8	7.2	60	No
VPE4108ISP	MST	4	8	7.2	60	Yes
VPE40010ISP	MST	4	10	9.5	60	No
VPE4008SEE	seesite™	6	8	7.2	60	No
VPE40010SEE	seesite™	6	10	9.5	60	No

4000 Polyurethane catheters

Vygon codes	Insertion kit	Kit number (see page 13)	Introducer sheath (Fr)	Catheter (Fr)	Length (cm)	Preconnected catheter
VPE4017	Surgical	2	7	6.9	60	No
VPE4018	Surgical	2	8	8	60	No
VPE4017ISP	MST	4	7	6.9	60	No
VPE4018ISP	MST	4	8	8	60	No
VPE4019ISP	MST	4	9	9	60	No
VPE4018SEE	seesite™	6	8	8	60	No

3000

3000 Silicone catheters

Vygon codes	Insertion kit	Kit number (see page 13)	Introducer sheath (Fr)	Catheter size (Fr)	Length (cm)	Preconnected catheter
VPE3007	Surgical	2	7	6.5	60	No
VPE3008	Surgical	2	8	7.2	60	No
VPE3007ISP	MST	4	7	6.5	60	No
VPE3107ISP	MST	4	7	6.5	60	Yes
VPE3008ISP	MST	4	8	7.2	60	No
VPE3108ISP	MST	4	8	7.2	60	Yes
VPE3007SEE	seesite™	6	7	6.5	60	No
VPE3008SEE	seesite™	6	8	7.2	60	No

3000 Polyurethane catheters

Vygon codes	Insertion kit	Kit number (see page 13)	Introducer sheath (Fr)	Catheter (Fr)	Length (cm)	Preconnected catheter
VPE3017	Surgical	2	7	6.9	60	No
VPE3017ISP	MST	4	7	6.9	60	No
VPE3117ISP	MST	4	7	6.9	60	Yes
VPE3017SEE	seesite™	6	7	6.9	60	No

2000

2000 Silicone catheters

Vygon codes	Insertion kit	Kit number (see page 13)	Introducer sheath (Fr)	Catheter size (Fr)	Length (cm)	Preconnected catheter
VPE2005ISP	MST	3	5	5	60	No
VPE2007ISP	MST	4	7	6.5	80	No
VPE2005SEE	seesite™	5	5	5	60	No

2000 Polyurethane catheters

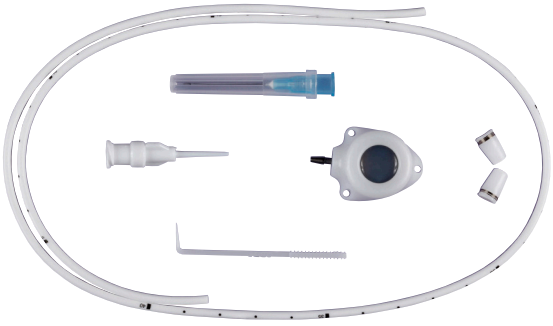
Vygon codes	Insertion kit	Kit number (see page 13)	Introducer sheath (Fr)	Catheter (Fr)	Length (cm)	Preconnected catheter
VPE2015	Surgical	2	5	5	60	No
VPE2015ISP	MST	3	5	5	60	No
VPE2016ISP	MST	4	6	6	80	No

polysite™ and seesite™ kit composition

Insertion kit accessories

For surgical technique:

polysite™



For Modified Seldinger technique:

polysite™ ISP

For Modified Seldinger and US-guided venipuncture technique:

seesite™

Includes safety Huber needle, echogenic puncture needle and Raulerson device.

In addition to the accessories all kits contain: a TIVAD, a radiopaque catheter and two connection rings (only one for preconnected references).

The polysite™ range is sterilised by ethylene oxide. polysite™ is a registered trademark of PEROUSE MEDICAL.

Technique	Surgical	Modified Seldinger (ISP)		For Modified Seldinger and US-guided venepuncture technique	
Kit	**2**	**3**	**4**	**5**	**6**
Straight Huber needle	22G	22G	22G	22G	22G
Vein pick	Yes	Yes	Yes	Yes	Yes
Flushing device preconnected to the catheter (only for non preconnected references)	Yes	Yes	Yes	Yes	Yes
Peelable introducer	-	12cm	17cm	12cm	17cm
J guidewire marked every 10cm	-	0.018"/ 40cm	0.035"/ 60cm	-	-
Puncture needle	-	-	-	0.018"/ 40cm	0.035"/ 60cm
Tunnelling device	-	Ø2mm / 18cm	Ø2.5mm / 23cm	Ø2mm / 18cm	Ø2.5mm / 23cm
Syringe	-	10mL	10mL	10mL	10mL
Raulerson device	-	-	-	Yes	Yes
Civ-Flex™ (Probe sheath, elastic bands, gel)	-	-	-	Yes	Yes
Safety Huber needle compatible with pressure injection PPS™ CT	-	-	-	22G / 20mm	20G / 20mm

Your Trusted Partner

Complementing our comprehensive TIVAD range is Vygon's expertise in vascular access training and education. We prioritise the development of our learning resources and up-to-date information, which we consider vital in supporting you and your patients.

Training & education to suit you

We offer a variety of training options ranging from local sessions facilitated by your Product Specialist to peer led study days and workshops with our Clinical Nurse Educators, with plenty of options to gain 'hands-on' experience.

With careers that have seen them excel in their healthcare professions, our Clinical Nurse Educators are ideally placed to provide an appreciation and understanding of the practicalities of vascular access and to share that knowledge. As authors of published peer-reviewed papers and regular participants in prominent National and International IV organisations and forums, they are the ideal partners to support you with delivering best practice.

Our regional workshops provide an in-depth training session on device insertion, care and maintenance. The course will take you through anatomy and physiology, device selection, insertion best-practice plus care and maintenance of devices in line with National guidelines. These sessions include the use of hands-on training aids and manikins so that you can be declared competent in the use of the product in a simulated environment. You can then return to your hospital ready to be supervised and declared competent in a clinical setting by your hospital training teams and by our Clinical Nurse Educators.

Introducing Vygon's safety Huber needles

Complementary product range

As vascular access experts, we know how important it is for patients and clinicians, that the combination of totally implantable vascular access devices (TIVADs) and Huber needles maximises treatment effectiveness and minimises risks.

Key qualities in the design of our Huber needles include safety features which protect against needlestick injuries and minimise the risk of occlusion after the needle is withdrawn.

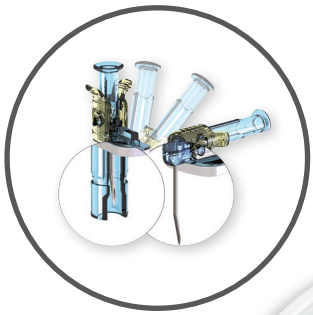
Other benefits include ease of use with single-hand activation and a simple, straight-forward withdrawal process.

In addition to the comprehensive benefits in our poly**perf**™**safe** Huber needle, the Vygon range features needles with special features to address particular clinical needs. They are:

- PPS **flow +**™ - single-handed removal plus automatic positive pressure helps to reduce catheter occlusion
- PPS**CT**™ - power injection compatible Huber needle for use with contrast agents.
- PPS **nano** - Low profile safety Huber needle compatible with CT injection

Safe and secure

Our polyfilm securement dressing is specially designed to ensure the Huber needles remain in place. They feature an adhesive central window to ensure easy removal without displacing the needle.



Protection
- Total protection until discarded in sharps container

Positive pressure locking
- Simple two-handed technique allows for easy positive pressure lock of TIVAD

Safety
- Eliminates the risk of needlestick injury
- No rebound effect when withdrawing the needle
- No risk of contact with the body of the needle(1)

Withdrawal
- Withdrawal of the needle with only one hand

OUR COMMITMENT TO THE ENVIRONMENT

Vygon UK has been working towards creating a sustainable future for many years and we are a Carbon Neutral Company. We believe that sustainability isn't just about meeting current needs, but more importantly, it is about ensuring we are here for the long term and are paving the way for a bright tomorrow. We strive to deliver enhanced Corporate Social Responsibility (CSR), ensuring we manage the social, economic, and environmental effects of Vygon UK's operations responsibly in line with public expectations.

DISCOVER OUR JOURNEY
scan with your smart device

REFERENCES

1 Biomatech study n°148381 - 28 june 2012 - p.64-66.

AN IMPLANTABLE PORT IS A ONE STOP SHOP FOR VENOUS ACCESS - ALLOWS INTRAVENOUS CONTRAST FOR SCANS, BLOOD SAMPLING AND MOST IMPORTANTLY TREATMENT ADMINISTRATION. IT SHOULD BE THE PREFERRED OPTION WHERE SUITABLE

Ram Kasthuri, Interventional Radiologist, Gartnavel General Hospital

12/2023 - DXJB0004017 V00194 v6

FOR FURTHER INFORMATION, PLEASE CONTACT: **info@vygon.co.uk**

The specifications shown in this leaflet are for information only and are not, under any circumstances, of a contractual nature. This brochure has been printed on responsibly sourced and sustainable material. To help us reduce our carbon footprint all of our literature is available electronically either from your Product Specialist, on our website or by emailing info@vygon.co.uk

VYGON (UK) LTD, THE PIERRE SIMONET BUILDING, V PARK,
GATEWAY NORTH, LATHAM ROAD, SWINDON, WILTSHIRE SN25 4DL
RECEPTION: +44 (0)1793 748800 WWW.VYGON.CO.UK
@vygonuk

VYGON
Value Life

polysite™ 2000

TIVADs for paediatric patients and brachial placement

Standard hybrid construction with titanium and POM(†)

MRI CT

- Good stability
- Minimum weight
- Flat lateral edges for good adherence
- Non-traumatic angle
- Radiopaque connecting rings
- Titanium reservoir: compatible with antineoplastic agents
- MRI conditional(§) & CT compatible

Max 325psi & 1mL/s with 20G or 22G CT Huber needle

TIVAD features

TIVAD type	Paediatric or adult	**Septum diameter**	7.8mm
Materials	POM(†) + titanium	**Weight**	2.9g
Base diameter	22.0 x 17.0mm	**TIVAD height**	8.7mm

2 0 1 5 ISP

- ISP: Peel-away sheath introducer
- 2: 2000 series
- 1: preconnected
0: not preconnected
- 1: polyurethane catheter
0: silicone catheter
- 5: 5Fr introducer

seesite™ 2000

Unique and innovative radiopaque marking

- Radiopaque marking detectable by x-ray
- Silicone filled suture holes
- Each graduation = 1 mL/s
- Radiopaque connecting ring

1 mL/s

(†) Polyoxymethylene. (§) See I.F.U.

The poly**site**™ range is sterilised by ethylene oxide. poly**site**™ is a registered trademark of PEROUSE MEDICAL.