



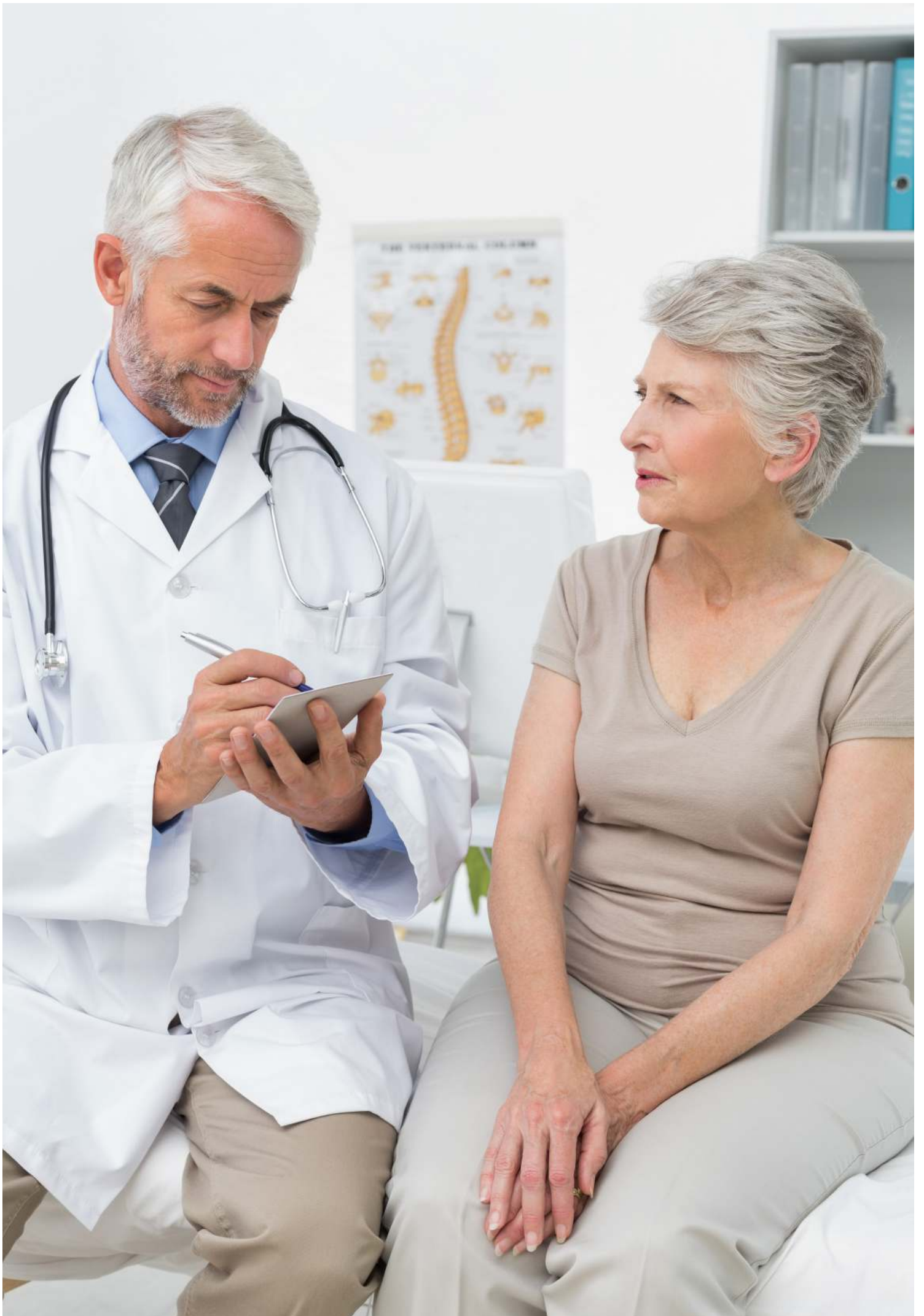
Value Life



MID & LONG TERM VASCULAR ACCESS

## Huber needle

PRODUCT GUIDE



# Introducing Vygon's safety Huber needles

As vascular access experts, we know how important it is for patients and clinicians, that the combination of implantable ports 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safety features which protect against needlestick injuries and minimise the risk of occlusion after the needle is withdrawn.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 polyperf 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
- PPSCT - power injection compatible Huber needle for use with contrast agents
- Perfusafe2 - a low profile design ideal for paediatric patients and oncology and haematology patients requiring extended treatment.

## 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.

## Clinical support and expert training

Supporting our range of Huber needles 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 in implementing changes in practice to improve clinical outcomes.

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

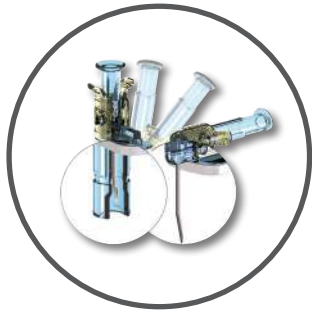
With careers that have seen them excel in their healthcare professions, our Clinical Nurse Advisors are ideally placed to provide an appreciation and understanding of the practicalities of vascular access and to share that knowledge. As authors of published peer-reviewed papers and regular participants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

# polyperf™ safe

AUTOMATIC  
SAFETY  
MECHANISM  
DURING  
REMOVAL

## Safety Huber needles

Single hand activation: decreased blood exposure risk versus double activated device<sup>(1)</sup>



### Protection

- Total protection until discarded in sharps container

### Positive pressure locking

- Simple two handed technique allows for easy positive pressure lock of port

### Safety

- Eliminates the risk of needlestick injury
- No rebound effect when withdrawing the needle
- No risk of contact with the body of the needle.<sup>(2)</sup>

### Withdrawal

- Withdrawal of the needle with only one hand



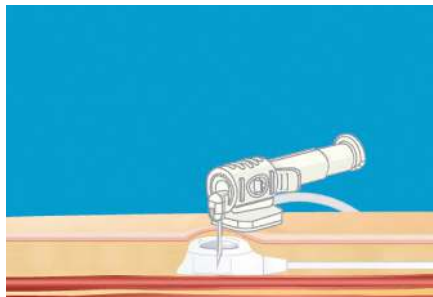
polyperf™ safe and PPS™ Quick Huber needle are packaged in cartons of 12 units. Sterilised using ethylene oxide.

**NO DEHP**

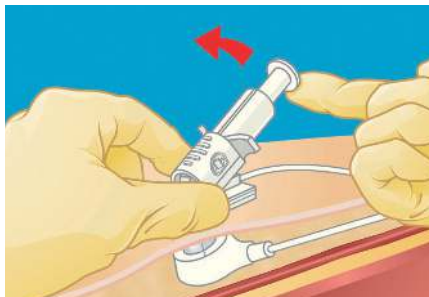
**This device is not made with dry or natural rubber latex.**

polyperf™ safe and PPS™ quick are registered trademarks of PEROUSE MEDICAL.

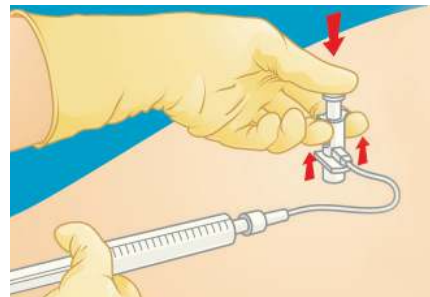
## Withdrawal of the needle



Normal position for use (horizontal piston) before withdrawal.



Preparation: lift the piston from the horizontal position to the vertical position.



Using your thumb, lower the piston to put it in contact with the skin and simultaneously lift the extractor (with an upwards movement) until there is a CLICK corresponding to the total locking of the needle. This final operation eliminates any risk of accidental needlestick injury.

## Ordering codes

(PPS products available with lateral Y site.)

| Vygon code | Gauge (G) | Needle length (mm) | Hub colour   |
|------------|-----------|--------------------|--------------|
| VPE601507* | 22        | 15                 | Black        |
| VPE601707  | 22        | 17                 | Black        |
| VPE602007  | 22        | 20                 | Black        |
| VPE602507  | 22        | 25                 | Black        |
| VPE603007  | 22        | 30                 | Black        |
| VPE603507  | 22        | 35                 | Black        |
| VPE601509* | 20        | 15                 | Orange       |
| VPE601709  | 20        | 17                 | Orange       |
| VPE602009  | 20        | 20                 | Orange       |
| VPE602509  | 20        | 25                 | Orange       |
| VPE603009  | 20        | 30                 | Orange       |
| VPE603509  | 20        | 35                 | Orange       |
| VPE601511* | 19        | 15                 | Light Orange |
| VPE601711  | 19        | 17                 | Light Orange |
| VPE602011  | 19        | 20                 | Light Orange |
| VPE602511  | 19        | 25                 | Light Orange |
| VPE603011  | 19        | 30                 | Light Orange |
| VPE603511  | 19        | 35                 | Light Orange |

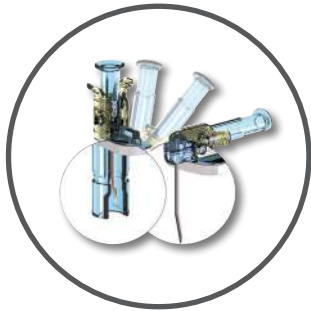
\* For paediatric use only.

# PPSCT™

## Safety Huber needles

Power injection compatible<sup>(2)</sup>

Max flow rate:  
22G = 2 mL/sec  
19G & 20G = 5 mL/sec  
Max pressure  
setting: 300 psi



### Protection

- Total protection until discarded in sharps container<sup>(2)</sup>

### Positive pressure locking

- Simple two handed technique allows for easy positive pressure lock of port

### Safety

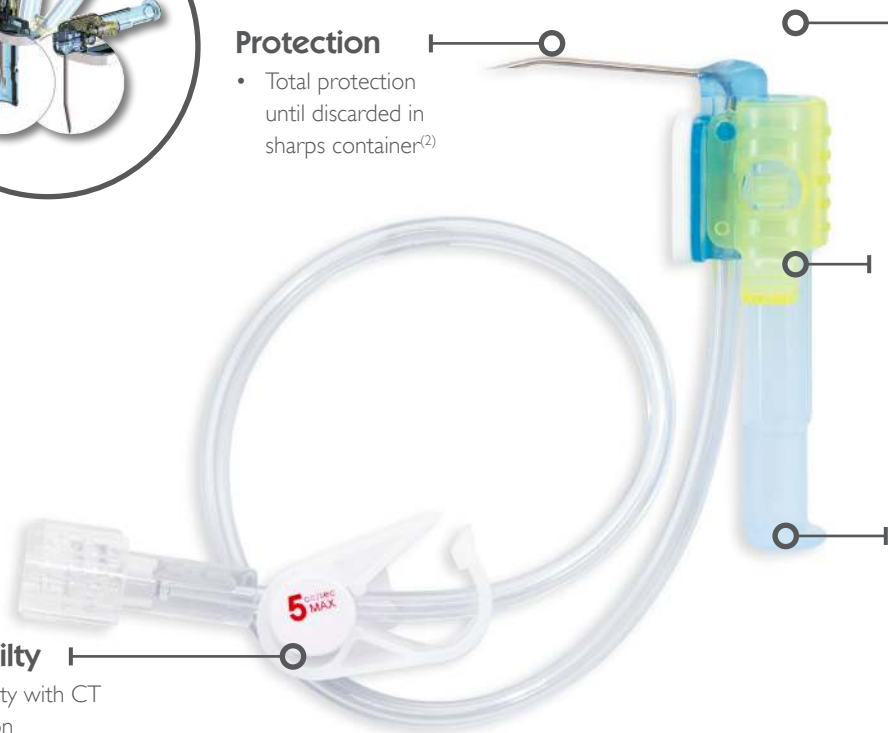
- Eliminates the risk of needlestick injury
- No rebound effect when withdrawing the needle
- No risk of contact with the body of the needle<sup>(2)</sup>

### Withdrawal

- Withdrawal of the needle with one hand

### Compatibility

- Compatibility with CT scan injection



### Infusion rate

- Ring indicating the maximum infusion rate on the needle

### Power injection

- Implantable port compatible with power injection



### NO DEHP

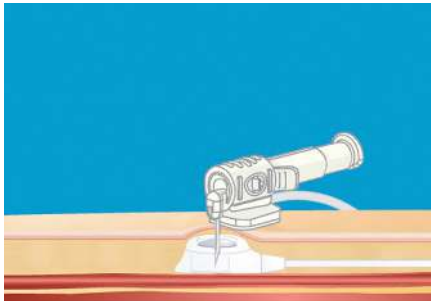
This device is not made with dry or natural rubber latex.

PPS™ CT is packed in a carton of 12 units .

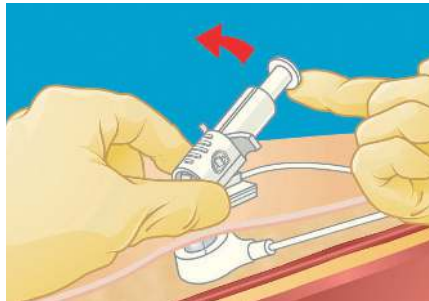
Sterilisation by ethylene oxide.

PPS™ CT is a registered trade mark of PEROUSE MEDICAL.

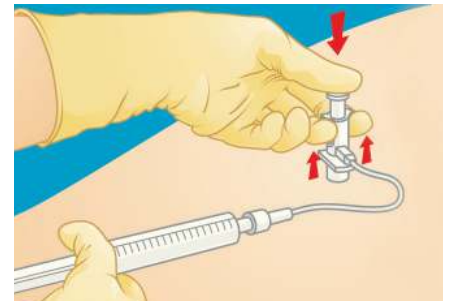
## Withdrawal of the needle



Normal position for use (horizontal piston) before withdrawal.



Preparation: lift the piston from the horizontal position to the vertical position.



Using your thumb, lower the piston to put it in contact with the skin and simultaneously lift the extractor (with an upwards movement) until there is a CLICK corresponding to the total locking of the needle. This final operation eliminates any risk of accidental needlestick injury.

## Ordering codes

(PPS products available with lateral Y site.)

| Vygon code | Gauge (G) | Needle length (mm) | Max. flow rate     | Hub colour   |
|------------|-----------|--------------------|--------------------|--------------|
| VPE801507* | 22        | 15                 | 2mL/sec<br>300 psi | Black        |
| VPE801707  | 22        | 17                 |                    | Black        |
| VPE802007  | 22        | 20                 |                    | Black        |
| VPE802507  | 22        | 25                 |                    | Black        |
| VPE803007  | 22        | 30                 |                    | Black        |
| VPE803507  | 22        | 35                 |                    | Black        |
| VPE801509* | 20        | 15                 | 5mL/sec<br>300 psi | Orange       |
| VPE801709  | 20        | 17                 |                    | Orange       |
| VPE802009  | 20        | 20                 |                    | Orange       |
| VPE802509  | 20        | 25                 |                    | Orange       |
| VPE803009  | 20        | 30                 |                    | Orange       |
| VPE803509  | 20        | 35                 |                    | Orange       |
| VPE801511* | 19        | 15                 | 5mL/sec<br>300 psi | Light Orange |
| VPE801711  | 19        | 17                 |                    | Light Orange |
| VPE802011  | 19        | 20                 |                    | Light Orange |
| VPE802511  | 19        | 25                 |                    | Light Orange |
| VPE803011  | 19        | 30                 |                    | Light Orange |
| VPE803511  | 19        | 35                 |                    | Light Orange |

\* For paediatric use only.

# PPS flow +™

## Safety Huber needles

Single hand activation for automatic positive pressure lock<sup>(1)</sup>

**Automatic positive pressure lock**

- Reduces the need to use fibrinolytic agents<sup>(4)</sup>

**Prevention**

- Prevention of catheter obstruction of implantable port as per clinical paper Carlo Stetal<sup>(3)</sup>

**Reduction**

- Significant reduction of blood reflux at the distal of the catheter

**Cost reduction**

- Due to catheter occlusion on-costs and complications<sup>(5)</sup> (X-rays, nursing time, etc.)

## Withdrawal of the needle



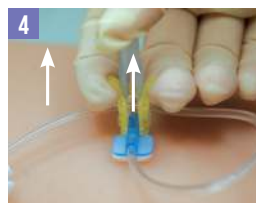
**1**  
Normal use position (horizontal piston). Perform a pulsated flush with saline.



**2**  
Lift the piston from the horizontal position to the vertical position (perpendicular to the patient's skin).



**3**  
Insert the line into the notch and pull it downwards.



**4**  
Place the hand outside the needle (opposite side of the blue platform), put your thumb on the piston, your forefinger and middle finger under the wing (on both sides of the piston). Pull up the extractor until hearing a CLICK. Needle is withdrawn safely.



PPS flow +™ safety Huber needles are packaged in cartons of 12 units. Sterilised using ethylene oxide.

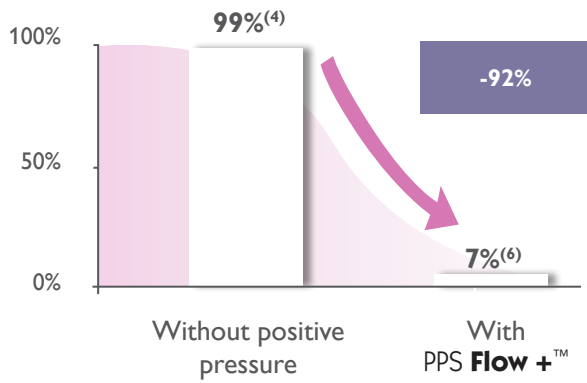
**NO DEHP**

**This device is not made with dry or natural rubber latex.**

PPS flow +™ is a registered trademark of PEROUSE MEDICAL.



## % of cases with reflux



Manual positive pressure:  
Reflux in 20% of cases<sup>(4)</sup>  
(operator-dependent)



**Benefit of an automatic positive pressure<sup>(4)</sup>**

## Ordering codes

(PPS products available with lateral Y site.)

| Vygon code | Gauge (G) | Needle length (mm) | Hub colour   |
|------------|-----------|--------------------|--------------|
| VPE701507* | 22        | 15                 | Black        |
| VPE701707  | 22        | 17                 | Black        |
| VPE702007  | 22        | 20                 | Black        |
| VPE702507  | 22        | 25                 | Black        |
| VPE703007  | 22        | 30                 | Black        |
| VPE703507  | 22        | 35                 | Black        |
| VPE701509* | 20        | 15                 | Orange       |
| VPE701709  | 20        | 17                 | Orange       |
| VPE702009  | 20        | 20                 | Orange       |
| VPE702509  | 20        | 25                 | Orange       |
| VPE703009  | 20        | 30                 | Orange       |
| VPE703509  | 20        | 35                 | Orange       |
| VPE701511* | 19        | 15                 | Light Orange |
| VPE701711  | 19        | 17                 | Light Orange |
| VPE702011  | 19        | 20                 | Light Orange |
| VPE702511  | 19        | 25                 | Light Orange |
| VPE703011  | 19        | 30                 | Light Orange |
| VPE703511  | 19        | 35                 | Light Orange |

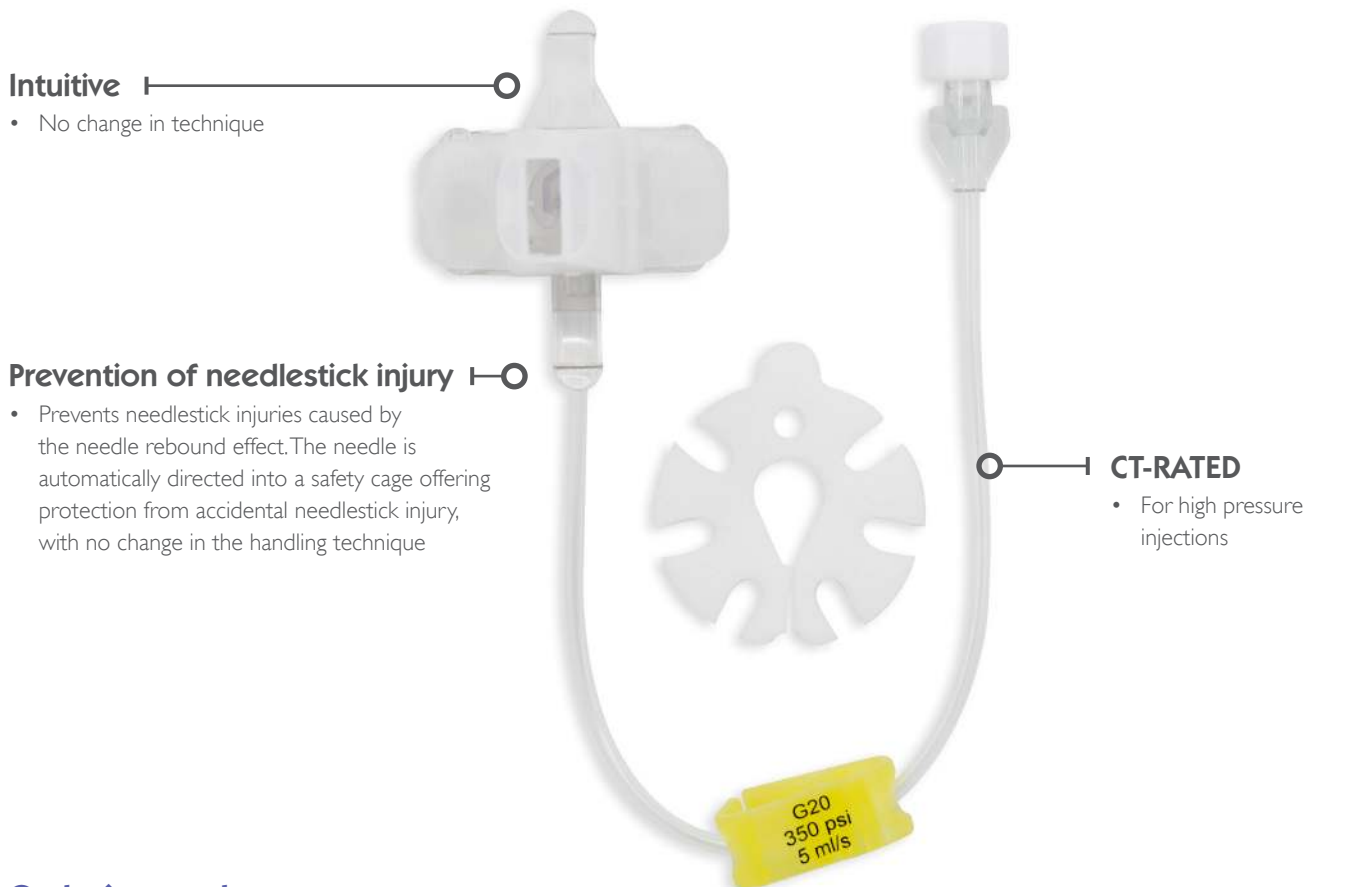
\* For paediatric use only.

# perfusafe2

**CT**  
**350 PSI**  
24.1 bar

## Safety infusion device

A safety infusion device with a Huber bevel for use with implantable ports.



### Intuitive

- No change in technique

### Prevention of needlestick injury

- Prevents needlestick injuries caused by the needle rebound effect. The needle is automatically directed into a safety cage offering protection from accidental needlestick injury, with no change in the handling technique

### CT-RATED

- For high pressure injections

## Ordering codes

| Vygon code | Gauge (G) | Needle length (mm) |
|------------|-----------|--------------------|
| 005249115  | 19        | 15                 |
| 5249120    | 19        | 20                 |
| 005249125  | 19        | 25                 |
| 005249130  | 19        | 30                 |
| 5249915    | 20        | 15                 |
| 5249920    | 20        | 20                 |
| 5249925    | 20        | 25                 |
| 5249930    | 20        | 30                 |
| 5249715    | 22        | 15                 |
| 5249720    | 22        | 20                 |
| 5249725    | 22        | 25                 |
| 005249730  | 22        | 30                 |

# polyfilm™

EASY  
REMOVAL  
NON-ADHESIVE  
CENTRAL  
WINDOW

## Huber needle securement dressing

Clear transparent film dressing specifically designed to maintain Huber needles, CVC and PICC lines in place

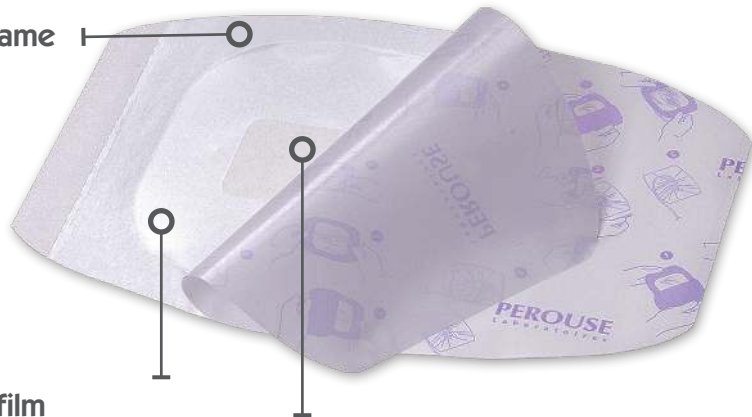
**Secure**

- The Huber needle stays in place



**Two-part applicator frame**

- Easy to apply

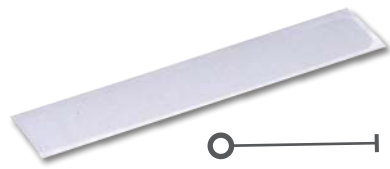


**Polyurethane flexible film**

- Hypoallergenic for optimum skin tolerance
- Breathable to prevent humidity accumulation under the dressing and therefore early displacement
- Barrier against bacteria and viruses, offering protection regarding the risks of contamination
- Liquid-impermeable to avoid displacement in the event of accidental immersion

**Non-adhesive central window:**  
**3 x 7.5cm / 1 1/4in x 3in**

- Non-adhesive guaranteeing stability of the needle upon removal of the dressing:
  - Prevents accidental needle-stick injury during dressing removal
- Strengthened to avoid any risk of tearing leading to breach of asepsis
- Transparent: optimal monitoring site and detection of possible complications



**Holding strips (included in the pouch)**

- Huber needle maintenance under the dressing
- Date of application can be written on the strip

### Ordering codes

| Vygon code | Description                       | Dimensions                     | Box qty  |
|------------|-----------------------------------|--------------------------------|----------|
| PF121401   | polyfilm™ dressing holding strips | 12x14cm or 4 3/4 in x 5 1/2 in | 50 units |

polyfilm™ is sterilized by ethylene oxide. polyfilm™ is a registered trademark of PEROUSE MEDICAL.

## References

- 1 Survey of the occurrence circumstances of Accidental Blood Exposure due to punctures with safety materials, GERES – AFSSAPS Collaboration, G. Pellissier, 18th Annual GERES conference, 2008.
- 2 Biomatech study n°148381 - 28 june 2012 - p.64-66.
- 3 Carlo JT et al., The American Journal of Surgery 188;722-727, 2004.
- 4 Lapalu J & al., Totally Implantable Port Management: Impact of positive pressure during needle withdrawal on catheter tip occlusion (An experimental study), Journal of Vascular Access, 2010.
- 5 Biffi R & al., Totally implantable central venous access ports for long-term chemotherapy, Annals of Oncology 9:767-773, 1998.
- 6 H.Lever, O.Albert, E. Barret, S.Villiers, MC.Douard, Poster for WoCoVa, A randomized experimental comparison of two safety Huber needles (HN) allowing manual or automatic positive pressure during needle removal: effect on the distal catheter reflux, 2014.

**For further information, please contact: [vygon@vygon.co.uk](mailto:vygon@vygon.co.uk)**

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