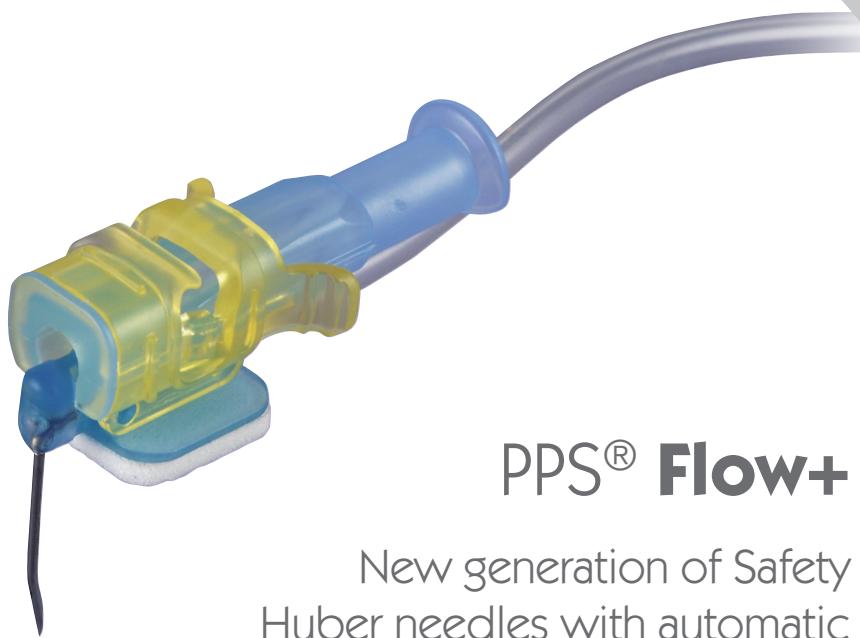


VASCULAR ACCESS
Accessories for implantable ports



PPS® Flow+

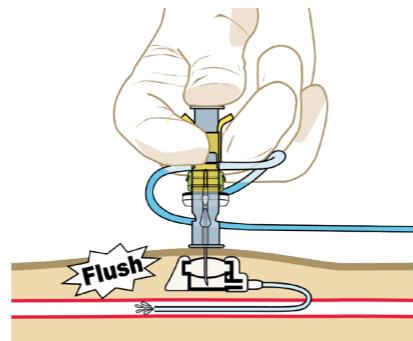
New generation of Safety
Huber needles with automatic
positive pressure

VYGON
Value Life

Automatic positive pressure

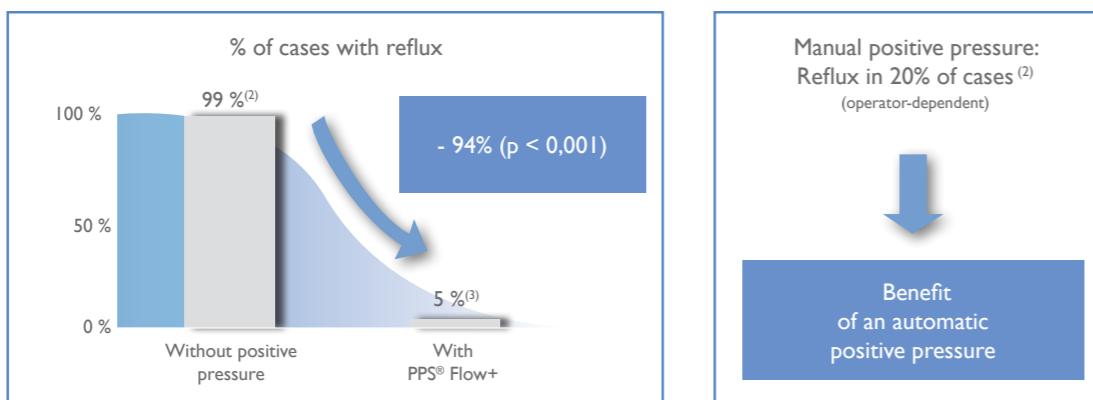
- Prevention of catheter obstruction

Catheter obstruction rate on implantable catheter port: **28%⁽¹⁾**

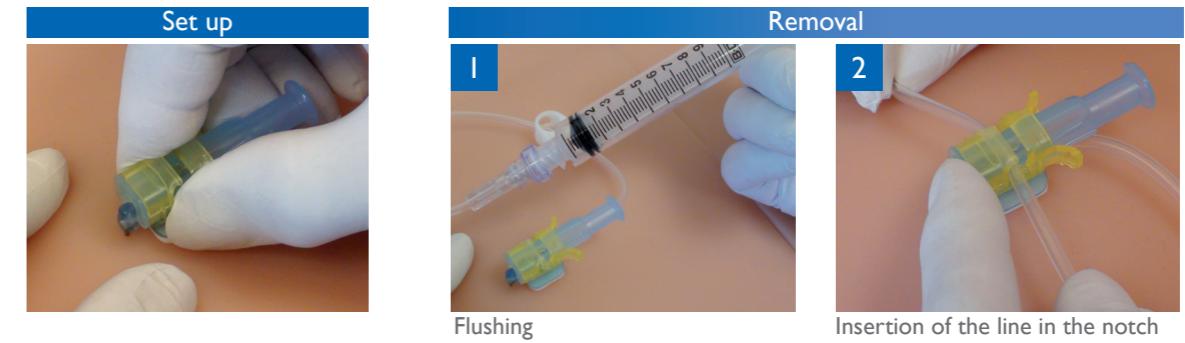


- Automatic positive pressure upon removal of the needle

Significant reduction of blood reflux at the distal tip of the catheter.

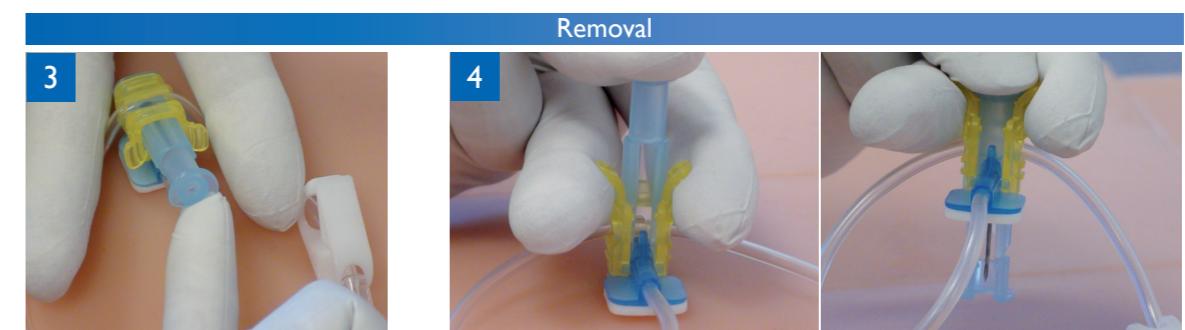


Single-hand activation



Flushing

Insertion of the line in the notch on the top of the needle



Lift the plunger from the horizontal position to the vertical position

Using your thumb, lower the plunger against the skin and simultaneously lift up the extractor until you hear a click (lockout).

Implantable port	Puncture rate for 10 ⁵ safety huber needles	95% CI
Two-hands activation	16,89	[6,42 – 27,36]
Single-hand activation	0	-

The last step allows automatic injection of saline in the implantable port = POSITIVE PRESSURE

Cost reduction

- Reduction of the use of fibrinolytic agents⁽²⁾
- Reduction of cost following catheter obstruction complications⁽⁴⁾ (X-Rays, nurse time, explantation, etc.)

(1) Carlo JT et al., The American Journal of Surgery 188:722-727, 2004

(2) Lapalu J et al., Total Implantable Port Management: Impact of positive pressure during needle withdrawal on catheter tip occlusion (An experimental study), Journal of Vascular Access, in press.

(3) EC mark file

(4) Biffi R et al., Totally implantable central venous access ports for long-term chemotherapy, Annals of Oncology 9:767-773, 1998.

(5) 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.





References

Gauge	Ext. Ø	Length	Without Y-site	With Y-site	Packaging	
22 G	0.7 mm	15 mm	VPE701507*	VPE711507*	12 / carton box	
22 G	0.7 mm	17 mm	VPE701707	VPE711707	12 / carton box	
22 G	0.7 mm	20 mm	VPE702007	VPE712007	12 / carton box	
22 G	0.7 mm	25 mm	VPE702507	VPE712507	12 / carton box	
22 G	0.7 mm	30 mm	VPE703007	VPE713007	12 / carton box	
22 G	0.7 mm	35 mm	VPE703507	VPE713507	12 / carton box	
20 G	0.9 mm	15 mm	VPE701509*	VPE711509*	12 / carton box	
20 G	0.9 mm	17 mm	VPE701709	VPE711709	12 / carton box	
20 G	0.9 mm	20 mm	VPE702009	VPE712009	12 / carton box	
20 G	0.9 mm	25 mm	VPE702509	VPE712509	12 / carton box	
20 G	0.9 mm	30 mm	VPE703009	VPE713009	12 / carton box	
20 G	0.9 mm	35 mm	VPE703509	VPE713509	12 / carton box	
19 G	1.1 mm	15 mm	VPE701511*	VPE711511*	12 / carton box	
19 G	1.1 mm	17 mm	VPE701711	VPE711711	12 / carton box	
19 G	1.1 mm	20 mm	VPE702011	VPE712011	12 / carton box	
19 G	1.1 mm	25 mm	VPE702511	VPE712511	12 / carton box	
19 G	1.1 mm	30 mm	VPE703011	VPE713011	12 / carton box	
19 G	1.1 mm	35 mm	VPE703511	VPE713511	12 / carton box	

* Restricted to paediatric use

For further information, please contact: marketingbenelux@vygon.com

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SA Vygon NV • Haachtsesteenweg 1650 Chaussée de Haecht • 1130 BRUXELLES • BELGIQUE
Tel: +32 (0) 2 706 09 50 • www.vygon.be

Vygon Nederland B.V. • Kerkhofstraat 21 • 5554 HG VALKENSWAARD • NEDERLAND

Tel: +31 (0)40 208 93 80 • www.vygon.nl

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