

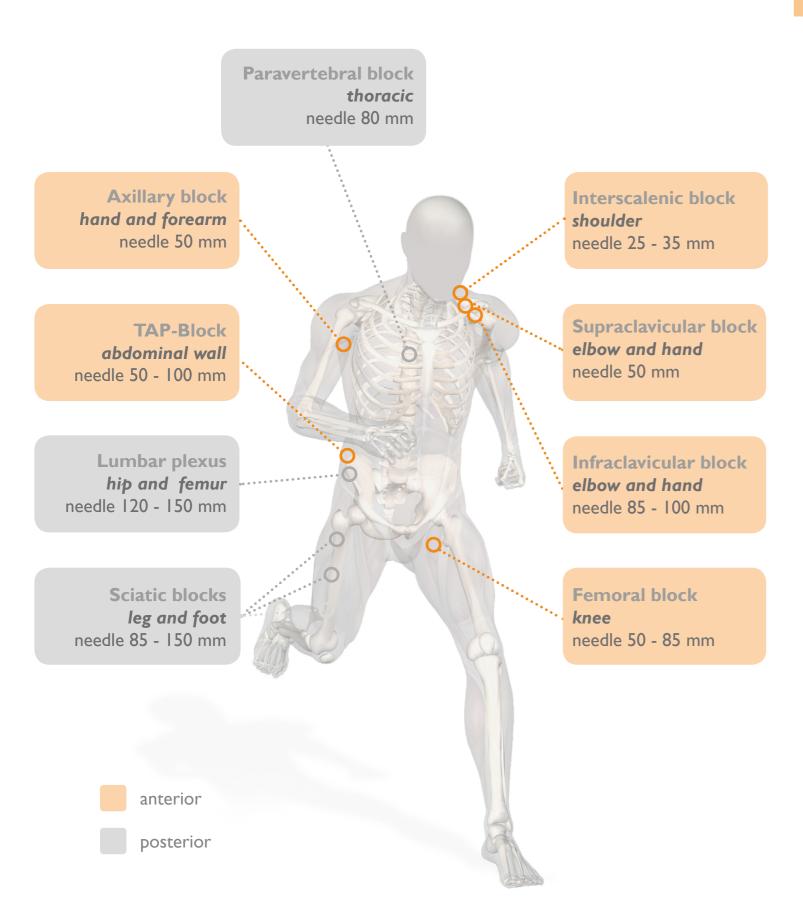




- Vygon supports regional anesthesia specialists in the development of new techniques thanks to:
  - a range of efficient needles and catheters
  - the creation of customized sets, enabling each customer to standardise its procedures
  - educational tools, training centres and smartphone applications

## Which needle for which block, and surgery?

## VYGON, YOUR PARTNER FOR PERIPHERAL BLOCKS



### CATHETERS & NEEDLES

Ultrasound		
Echogenic needle visioplex®	p. 6	
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Ultrasound combined with nerve stimulation		
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Nerve stimulation		
Stimulating needle locoplex®	p. 10	
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### CREATION OF CUSTOMIZED SETS

VYSET® \_\_\_\_\_\_\_\_\_p. 13

### **EDUCATIONAL TOOLS**

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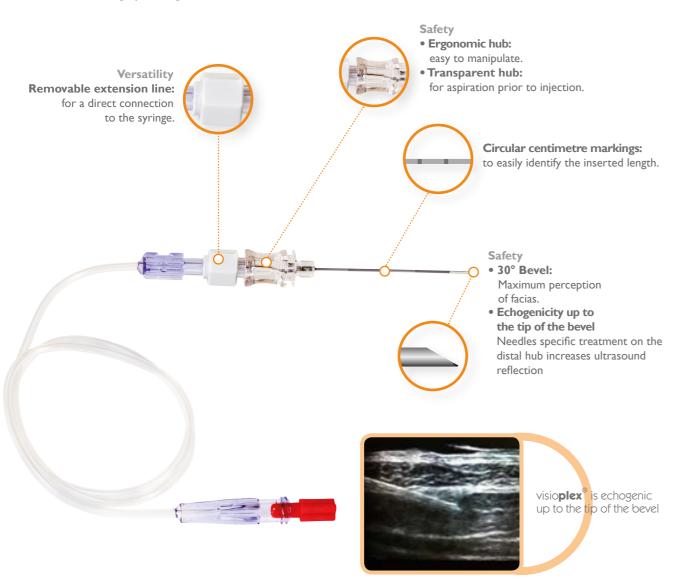
## visioplex®

## rafa **tuohy**

# Echogenic needle Single shot injection

Some procedures, such as a TAP (Transversus Abdominis Plane) block, do not require nerve stimulation, these procedures are performed using ultrasound only.

visioplex® meets the requirements of these procedures, and being sand-blasted steel at the tip, the needle is highly echogenic.



### 2 gauges to fit each practitioner's needs.

Length	Gauge	Code	Packaging (box)	VYSET®
35 mm	22	6094.3534	20 / box	The section of the se
50 mm	20	6094.503	20 / box	These references are also available in Vyset, with devices dedicated to ultrasound.
50 mm	22	6094.5034	20 / box	For more details, see page 13.
85 mm	22	6094.8534	20 / box	
100 mm	20	6094.103	20 / box	Tr.

## Echogenic Tuohy needle

Single and/or continuous injection

Developed with Dr **Rafa Blanco** (Abu D'Abi), the rafa **tuohy** needle is sand-blasted to improve the quality of image under ultrasound. It is intended for paravertebral blocks with or without a catheter (5291.3371), or for a TAP block with a catheter.



#### **VYSET®**

rafa **tuohy** is available as a stand alone product, or as a component of a customised set, featuring an extension line, and devices dedicated to ultrasound.

## The epimatic syringe

Enables one-handed placement

The paravertebral and/or epidural space is automatically found thanks to an elastic collar applied on the plunger.



10 ml low resistance syringe, Luer slip

Ref: 1018.102





## Echogenic and stimulating needle

Single shot injection

echoplex+® combines the requirements of both techniques:

A nerve stimulation needle has been made fully echogenic thanks to a new insulating coating. The needle is fine, the outer surface is smooth and the echogenic coating goes right to the tip. The new bevel combines easy skin penetration and echogenicity.

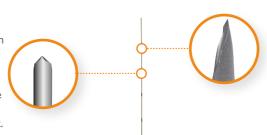
Comfort for the patient Smooth surface: for easy insertion and to minimise patient trauma.

#### **Precision**

The highly conductive needle allows precise nerve stimulation using a very low intensity current.



Circular centimetre marking Gives control of needle position and insertion depth.



20° bevel with a specific coating for a maximum echogenicity.

#### Perfect visibility

the echogenic coating surrounds the entire needle up to the tip.

#### Versatility

- Removable extension line Enables connection of a syringe directly to the needle if required.
- Low dead space (I ml).

#### Safety

- A long (60cm) electrical cable to work at distance from sterile field.
- Quick identification of the bevels direction thanks to the black cable positioning.



### Innovation: a patented coating

The coating uses the hardness of microscopic glass beads which are distributed in an insulating polymer.



The high concentration of glass beads intensifies the ultrasound reflection. The quantity of glass beads has been precisely calculated to maximise reflection whilst minimising artefacts.

Length	Gauge	Code	Packaging (box)
25 mm	23	6194.253	20 / box
35 mm	23	6194.353	20 / box
50 mm	22	6194.503	20 / box
85 mm	21	6194.853	20 / box
100 mm	21	6194.103	20 / box
120 mm	20	6194.123	20 / box
150 mm	20	6194.153	20 / box

These references are also available in VYSET, with devices dedicated to ultrasound.

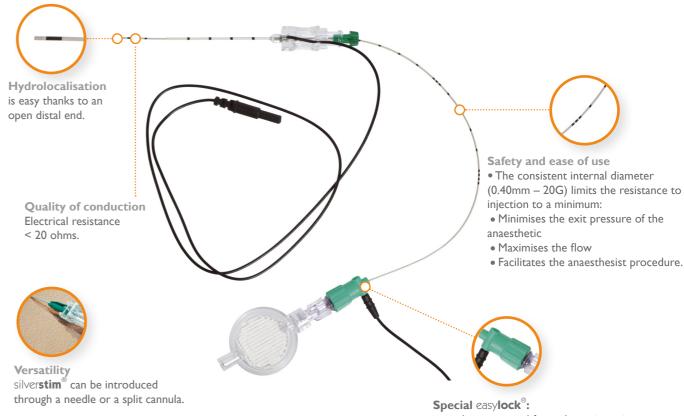
For more details, see 13.

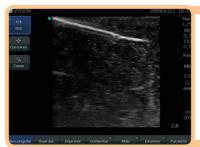


## Echogenic and stimulating catheter

Continuous injection

silver**stim** combines modern techniques to offer the most precise placement of catheter. Thanks to a new coating method, a thin silver layer is spread on the whole length of the catheter. This ensures optimum conductivity and echogenicity, without reducing the internal diameter.





silver**stim** is echogenic and stimulating for close positioning next to the nerve without a risk of lesion.

- can be unscrewed for catheter insertion
- non-detachable to avoid a component loss
- anti-kink catheter
- lateral connect for electrical cable: stimulation is possible whenever required without additional manipulation.

Catheter length	18G needle length	30° needle	30° split cannula	Tuohy needle	Packaging (box)	1
30 cm	35 mm	5198.353	5198.3533	-	I0/box	
30 cm	50 mm	5198.503	5198.5033	5198.506	I0/box	i
50 cm	85 mm	5198.853	5198.8533	5198.856	I0 / box	
50 cm	100 mm	5198.103	-	-	I0/box	
50 cm	120 mm	5198.123	5198.1233	-	10 / box 5 / box	

These references are also available n VYSET, with devices dedicated to ultrasound.

For more details. see page 13.







## Stimulating needle

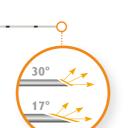
Single shot injection

This stimulating needle is insulated over its entire length. Its bevel is completely exposed for a large conduction of current, and for an easier needle insertion.

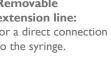
**Security** Quick identification of the bevel direction thanks to the black cable positioning.

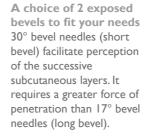




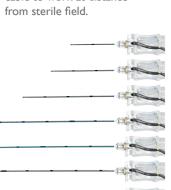


Versatility Removable extension line: for a direct connection to the syringe.









Longth	I7° bevel	30° bevel	Cours	Packaging	
Length	Code	Code	Gauge		
25 mm	5194.25	5194.253	23	20 / box	
35 mm	5194.35	5194.353	23	20 / box	
50 mm	5194.50	5194.503	20/21	20 / box	
85 mm	5194.85	5194.853	21	20 / box	
100 mm	5194.10	5194.103	21	20 / box	
120 mm	5194.12	5194.123	20	20 / box	
150 mm	5194.15	5194.153	20	20 / box	

These references are also available in VYSET, with devices dedicated to ultrasound. For more details, see page 13.

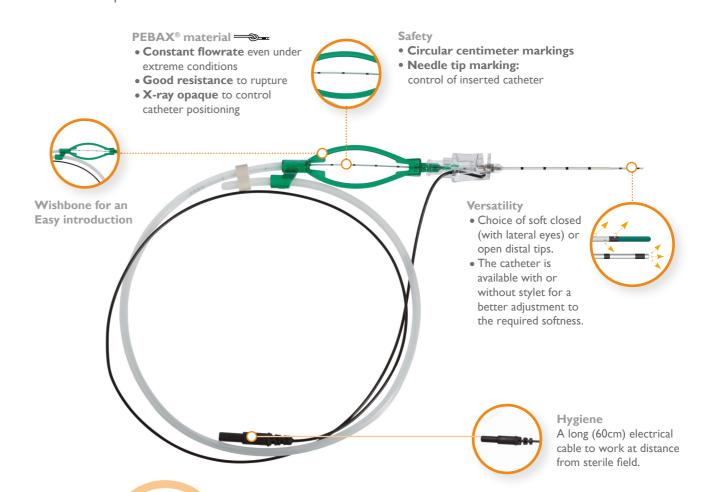


### Catheter with wishbone

Continuous injection

Introduced through 17°, 30° or Tuohy needle

techniplex<sup>®</sup> is introduced through a puncture needle with 17°, 30° or Tuohy bevel. The wishbone allows an excellent control of the catheter's progress through the needle. The technical procedure is therefore rapid and simple with limited manipulations, and is aseptic thanks to the protective sheath.





techniplex<sup>®</sup> introduction needles have the same advantages as locoplex® needles.

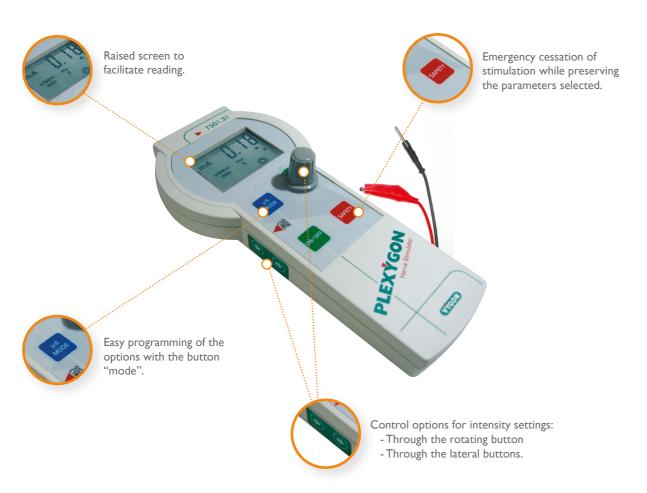
Cat	het	er	18G nee	dle	Needle 17° Needle		Needle 30° bevel (catheter with		5.1.
Leng	th	G	Length	G	bevel	30° bevel	stylet and soft closed distal tip (3 lateral eyes))	stylet and soft closed distal tip (3 lateral eyes)	Packaging
50 cı	m	20	35 mm	18	5195.35	5195.353	-	-	10 / box
50 cı	m	20	50 mm	18	5195.50	5195.503	5195.5031	5195.506	10 / box 5 / box
50 cı	m	20	100 mm	18	5195.10	5195.103	5195.1031	5195.106	10 / box 5 / box
50 cı	m	20	120 mm	18	5195.12	5195.123	-	-	IO/box
50 cı	m	20	150 mm	18	-	-	5195.1531	5195.156	5 / box





## Simple and safe nerve stimulator

plexygon® provides simplicity and precision by the emission of low intensity electrical current.



Dimensions	Length : 200mm Max. width: 93mm - min : 57mm	Max. height: 40mm – min: 23mm		
Weight	186g - 232g with battery			
Pulse duration	50 - 100 - 300μs			
Steps	0.1mA increment above 0.5mA - 0.02mA increment below 0.5mA			
Pulse frequency	I - 2 - 4 Hz			
Battery	Pile 9 V			

Reference	Description
7501.31	plexygon® stimulation apparatus, battery, cable, supplied in a briefcase
087503.02A	plexygon® replacement cable (red & black)
39.00.15	plexygon® transparent protective hood 12 x 40 cm

## Custom packs

## **VYSET**®

## **Custom packs**

### Why choose customisation?

Customisation with Vyset enables you to create a pack specific to your requirements, standardising insertion procedures and ensuring maximum barrier precautions, therefore reducing the associated risk of infection.

### Saving time and money

- Reducing preparation time
- Improving stock management
- Reducing waste

#### Improving safety

- Reducing the risk of infection
- Reducing the risk of errors
- Improving working conditions
- Simplifying procedures which helps in emergency cases or when a practitioner works alone
- Traceability (one label + barcode)

### The Vygon expertise

- Assembly and sterilisation in our own facilities in Europe
- Selection of only high quality medical devices
- Sales teams at your disposal to provide any additional training, help and advice needed to ensure your pack is a success
- Continuous monitoring of usage rates.

VYSET® in ... operating room - vascular access - regional anaesthesia - neonatology







Sponge sticks

Safe hypodermic

To avoid needle-stick injuries.

needles

## VYSET® for Regional Anesthesia

VYSET® provides all devices needed for a procedure, in the best aseptic conditions.

All needles and catheters dedicated to peripheral blocks are available within VYSET® together with:

Transparent drape with a large fenestration To scan the puncture area.



Ultrasound transmission gel Compact - doesn't stick.



Probe covers

Adjustable drape 2 fenestrations Can be used for upper and lower limbs.



Gallipots Different colours to differenciate drugs from desinfectant.





Adhesive cover: AD Cover Avoid using gel between the probe and the prove cover.



For more information and for the set creation, feel free to contact your Vygon representative.

echosupport



In order to ease procedures with ultrasounds, echosupport hold the probe for you.

Code 7507.515: universal probe holder

## **Training centres**

Vygon helps Regional Anesthesia specialists develop their new techniques thanks to a network of experts across Europe.



## Educational guide: E-Guide Regional Anaesthesia

Regional anesthesia is constantly improving. Vygon has developed a special application, in collaboration with Dr Xavier Paqueron and Dr Yann Cimino (Fontaine-les-Dijon private hospital, France), in order to help practitioners update their knowledge of regional anesthesia.

















#### For further information, please contact: questions@vygon.com

The specifications shown in this leaflet are for information only and are not, under any circumstances, of a contractual nature.

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