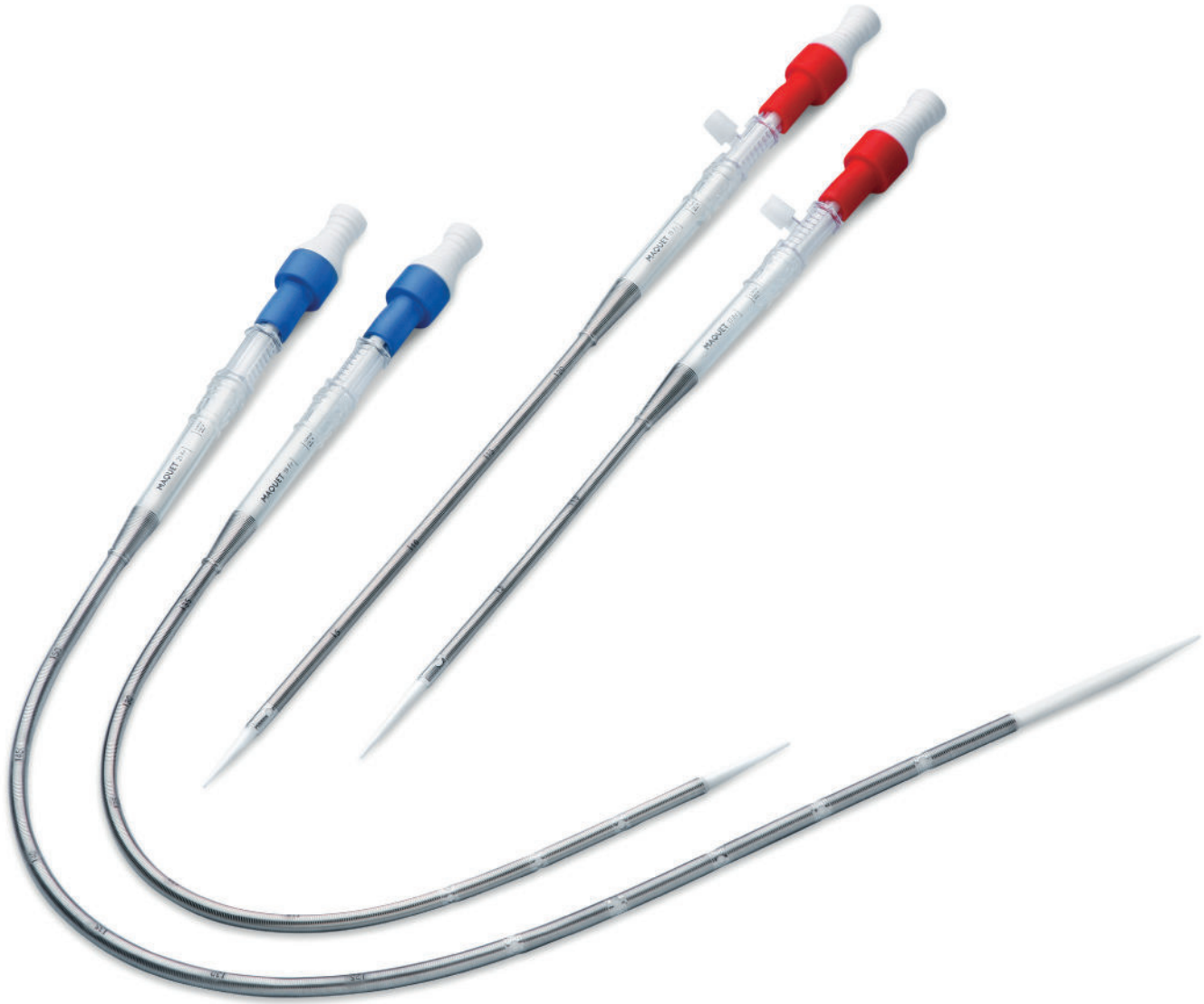

# HLS Cannulae

## Solutions from tip-to-tip

This document is intended to provide information to an international audience outside of the US.

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Smooth transition between introducer and cannula tip

Stop ring defines maximum insertion depth

# HLS Cannulae

## Trusted vessel access

The HLS Cannulae are indicated for cannulation of all suitable vessels (e.g. femoral vessels) and can be inserted percutaneously, using the Seldinger technique, or under visual control into the previously exposed vessel.

An excellent flow performance, a wide range of cannulae sizes and different coating options make it one of the most popular peripheral cannulae - the perfect choice for vessel access during extracorporeal circulation.

### Performance characteristics:

- Thin cannula walls support an excellent pressure/flow performance
- Reinforced side holes help reduce the risk of kinking
- Versions with Bioline Coating for extended respiratory and / or circulatory support
- Duration of use from 6 hours up to 30 days*

### Easy to use:

- Locking mechanism keeps introducer in position during insertion
- Smooth transition from introducer to cannula to support a safe cannula insertion
- Depth marks to control insertion depth, a stop ring to define maximum insertion depth
- Selectively hardened proximal cannula body, reduces the risk of kinking after insertion

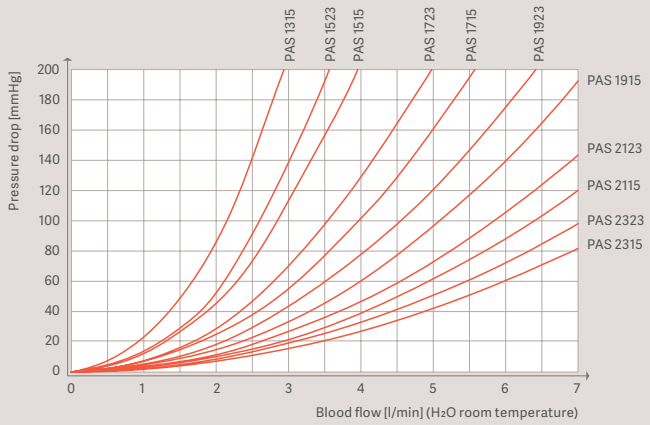
A pair of side holes on every arterial tip

Multiple drainage openings on every venous cannula

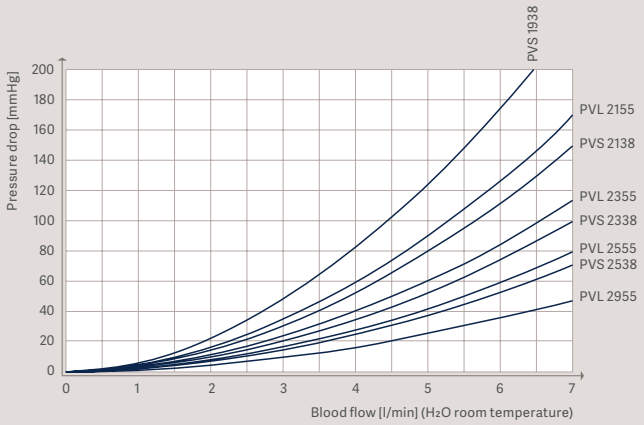


* HLS cannulae with Bioline Coating in combination with PLS Set, PLS Set Plus or HLS Set Advanced (all with Bioline Coating) can be used for up to 30 days in CE region.

**Pressure drop for all arterial HLS Cannulae ⅜"**




**Pressure drop for all venous HLS Cannulae ⅜"**




## Product order details arterial HLS cannulae

| Type | Outer diameter | Insertion length | Side holes | Perforation length | Connector | Bioline Coating |
|---|---|---|---|---|---|---|
| PAS 1315 | 13 Fr (4.3 mm) | 15 cm | 2 | 1 cm | 3/8" LL | BE-PAS 1315 |
| PAS 1515 | 15 Fr (5.0 mm) | 15 cm | 2 | 1 cm | 3/8" LL | BE-PAS 1515 |
| PAS 1715 | 17 Fr (5.7 mm) | 15 cm | 2 | 1 cm | 3/8" LL | BE-PAS 1715 |
| PAS 1915 | 19 Fr (6.3 mm) | 15 cm | 2 | 1 cm | 3/8" LL | BE-PAS 1915 |
| PAS 2115 | 21 Fr (7.0 mm) | 15 cm | 2 | 1 cm | 3/8" LL | BE-PAS 2115 |
| PAS 2315 | 23 Fr (7.7 mm) | 15 cm | 2 | 1 cm | 3/8" LL | BE-PAS 2315 |
| PAL 1523 | 15 Fr (5.0 mm) | 23 cm | 2 | 1 cm | 3/8" LL | BE-PAL 1523 |
| PAL 1723 | 17 Fr (5.7 mm) | 23 cm | 2 | 1 cm | 3/8" LL | BE-PAL 1723 |
| PAL 1923 | 19 Fr (6.3 mm) | 23 cm | 2 | 1 cm | 3/8" LL | BE-PAL 1923 |
| PAL 2123 | 21 Fr (7.0 mm) | 23 cm | 2 | 1 cm | 3/8" LL | BE-PAL 2123 |
| PAL 2323 | 23 Fr (7.7 mm) | 23 cm | 2 | 1 cm | 3/8" LL | BE-PAL 2323 |

One cannula per carton

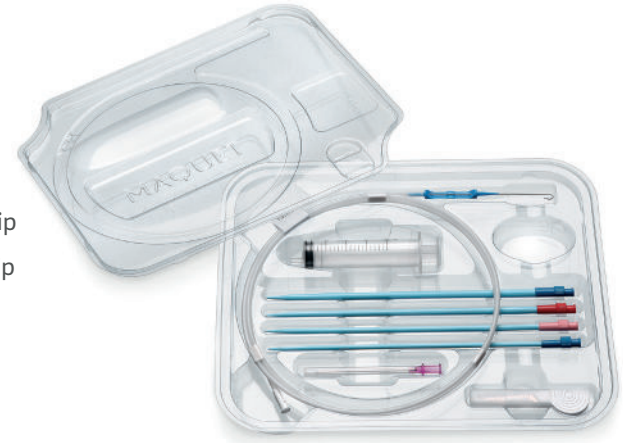
## Product order details venous HLS cannulae

| Type | Outer diameter | Insertion length | Side holes | Perforation length | Connector | Bioline Coating |
|---|---|---|---|---|---|---|
| PVS 1938 | 19 Fr (6.3 mm) | 38 cm | 12 | 10 cm | 3/8" | BE-PVS 1938 |
| PVS 2138 | 21 Fr (7.0 mm) | 38 cm | 12 | 10 cm | 3/8" | BE-PVS 2138 |
| PVS 2338 | 23 Fr (7.7 mm) | 38 cm | 16 | 10 cm | 3/8" | BE-PVS 2338 |
| PVS 2538 | 25 Fr (8.3 mm) | 38 cm | 20 | 10 cm | 3/8" | BE-PVS 2538 |
| PVL 2155 | 21 Fr (7.0 mm) | 55 cm | 20 | 20 cm | 3/8" | BE-PVL 2155 |
| PVL 2355 | 23 Fr (7.7 mm) | 55 cm | 20 | 20 cm | 3/8" | BE-PVL 2355 |
| PVL 2555 | 25 Fr (8.3 mm) | 55 cm | 24 | 20 cm | 3/8" | BE-PVL 2555 |
| PVL 2955 | 29 Fr (9.7 mm) | 55 cm | 32 | 20 cm | 3/8" | BE-PVL 2955 |

One cannula per carton

# Percutaneous Insertion Kit

Kit to prepare for arterial or venous peripheral cannulation of vessels for extracorporeal circulation.



## The kit includes:

- 4 vessel dilators: 10/12 Fr., 12/14 Fr., 14/16 Fr., 16/18 Fr.
- Guide wire for arterial cannulae 0.038" (0.097 cm) x 100 cm, J-tip
- Guide wire for venous cannulae 0.038" (0.097 cm) x 150 cm, J-tip
- Guidewire advancer
- 18 Ga (1.27 mm) puncture needle
- Mini scalpel
- 10 ml (10 cc) syringe
- Additional dilator sizes and guidewires available

## Order details percutaneous insertion kits and cannulae accessories

| Article No. | Guide wire length | Description |
|---|---|---|
| PIK 100* | 100 cm | Percutaneous insertion kit for arterial HLS cannulae |
| PIK 150* | 150 cm | Percutaneous insertion kit for venous HLS cannulae |
| PIK dilator set L** | | Cannulae accessories: 3 multi-step dilators, dilator sizes 18/20 Fr., 20/22 Fr., 22/24 Fr. |
| PIK dilator S** | | Cannulae accessories: 1 multi-step dilator, dilator size 08/10 Fr. |
| PIK guidewire 100** | 100 cm | Cannulae accessories: separate guidewires for arterial cannulae |
| PIK guidewire 150** | 150 cm | Cannulae accessories: separate guidewires for venous cannulae |

*One kit per carton, sterile packed **5 pcs. per carton, sterile packed

**Note**
All information presented in this brochure is either referenced by the below publications or is on file at Getinge.
HLS Cannulae Set· Instructions for Use · 70104.8192 · G-139 · Version 05 · NONUS · 2021-04
Percutaneous Insertion Kit· Instructions for Use · 70104.8194· G-137 · Version 06 · GLOBAL · 2020-06

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