

# Smooth Flow Anterograde

Smooth Flow Double Lumen Catheter 15.5 Fr with Split Sheath





**Long Term Catheters** 

## Smooth Flow Double Lumen Catheter 15.5 Fr

- Anterograde implantation technique allows efficient implantation
- Kit accessories ensure a precise placement of the catheter following the Seldinger Technique
- 16 Fr Split Sheath with valve is included
- The Joline Split Sheath provides an accurate insertion and tip placement
- The valve of the Split Sheath protects against blood loss

#### **Catheter Shaft**



- Biocompatible, long lasting thermosensitive Polyurethane (Carbothane™)
- Large Double-D-Design

#### **Extensions**

- Connectors made of PEEK<sup>3</sup> for high chemical and mechanical stability
- Carbothane™ extensions minimize kinking or crimping
- Safe and lasting connection between extensions and hub

#### Cuff

- The wide Cuff provides unhindered healing and safe protection against catheter dislocation
- Cuffed catheters have a low dislocation risk<sup>2</sup> (PMS)



#### **High X-Ray Visibility**

 Radiopaque material of the catheter shaft allows precise tip positioning in the middle of the right atrium

#### **MRI Safe**

- Metal free catheter

#### **Patented Tip-Design**

- The patented Tip-Design with visible flow channels (ribs) reduces turbulences, thrombus formation and damage of blood cells
- Polyurethane (Carbothane™) material is extremely restistant and offers a high biocompatibility
- Carbothane<sup>™</sup> in combination with the large Doppel-D-Design maximizes the inner diameter and ensures higher blood flow rates with adequate pressure rates on the blood purification machine.



## **Excellent Design for** extracorporeal therapies

- Reduced complication rate during implantation<sup>2</sup>
- 95.8 % successful catheter placement<sup>2</sup>
- 5.6 % dislocation risk<sup>2</sup>

## Smooth Flow Double Lumen Catheter 15.5 Fr

Anterograde implantation technique



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### **Kink Resistant** Guidewire

- Kink resistant Nitinol guidewire for safe and easy catheter placement
- Dispenser for one-hand-operation



#### **Safety Clamps**

- Safety clamps with side protection, prevent the connection tube (Extensions) from slipping out
- Printing on clamps indicate priming volume and length



#### **Smooth Flow Double Lumen 15.5 Fr** tem No. Tip-to-cuff Tip-to-hub Total length Pcs per box

230 mm

270 mm

320 mm

370 mm

360 mm

400 mm

450 mm

500 mm

190 mm

230 mm

280 mm

330 mm

**Double Lumen Catheter** 

#### Catheter lengths

**Smooth Flow** 

15.5 Fr

PKSF15C19/36

PKSF15C23/40

PKSF15C28/45

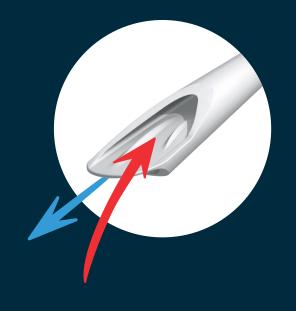
PKSF15C33/50



#### **Total length**

#### **Patented Tip-Design**

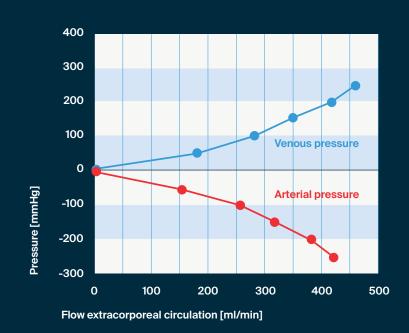
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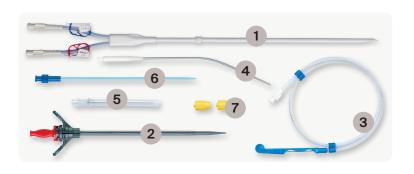
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#### Flow/Pressure Ratio at 0-500 ml/min blood flow<sup>1</sup>



#### **Example kit**



- Catheter
- Split Sheath
- Kink resistant Nitinol guidewire
- 4 Trocar
- 5 Introducer needle
- 6 Dilator 12 Fr
- 7 Luer-Lock injection caps

#### References

- 1 PKSF15C33/50 / mean catheter 1-10, each measurement 1-3 (vena cava flow: 1.7 L/min); measured ex vivo by Clinical Research Labor; CRO LS medcap GmbH
- 2 Customer feedback Post-Market-Surveillance (PMS) Clinical Research Organisation; CRO LS medcap GmbH; (N = 460)
- 3 PEEK (PolyEtherEtherKetone)



Joline GmbH & Co. KG Neue Rottenburger Str. 50 72379 Hechingen Germany

Phone: +49 7471 9881 0 Fax: +49 7471 9881 222 E-mail: info@joline.de

www.joline.de

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