

Smooth Flow

Long Term Dialysis Catheter

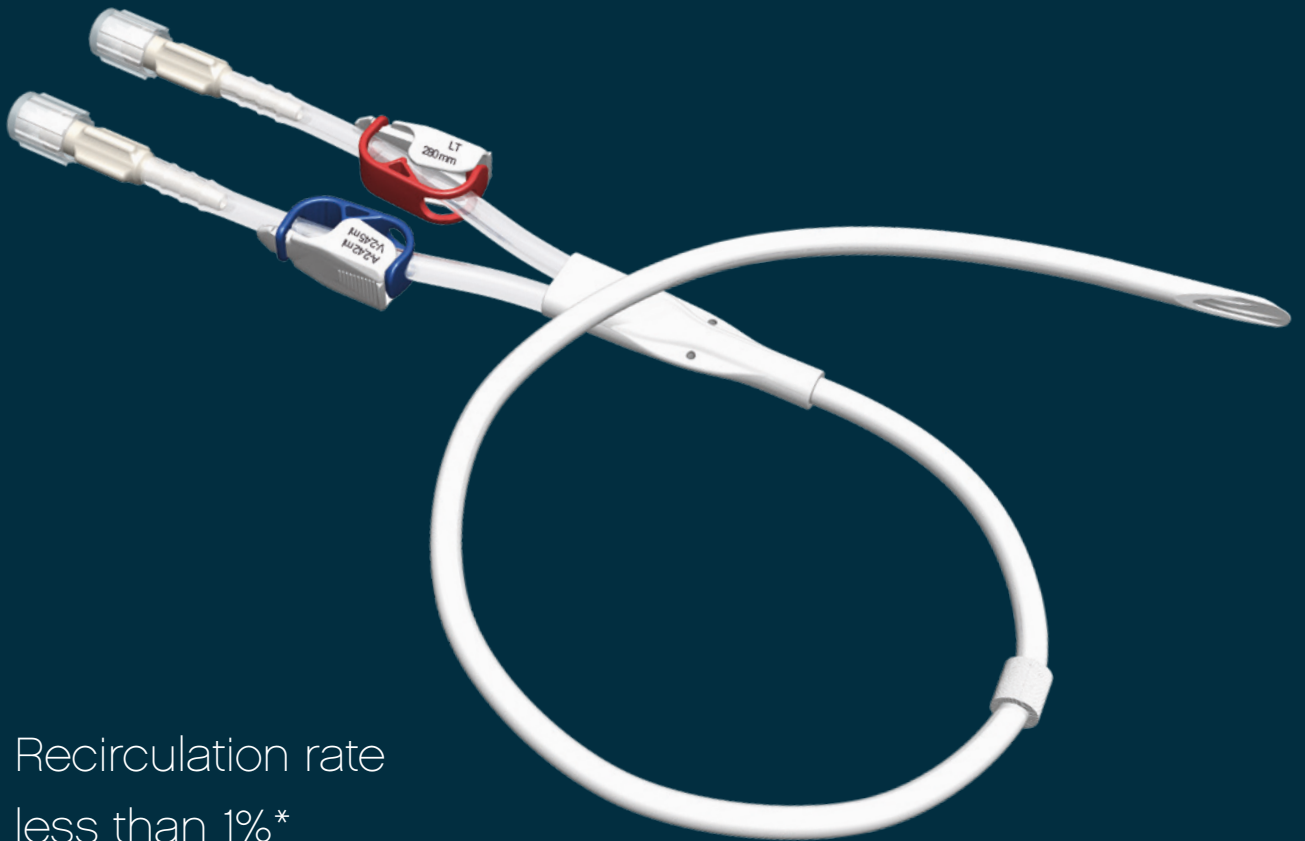


Smooth Flow Double Lumen 15.5 Fr

Anterograde

Anterograde implantation technique - Tip tunneled first

- Symmetric tip design for easy and precise tip placement in the right atrium



- Recirculation rate less than 1%*

* Measured in forward flow. In reverse flow less than 2.5% (KDOQI guidelines require a recirculation rate below 5%)

Special Features

- Patented tip design with visible flow channels (ribs) reduces turbulences, thrombus formation and damage of blood cells
- Unique, patented cross section allows thin wall design and a high kink resistance
- Kink resistant nitinol guide wire for easy and safe catheter placement
- Carbothane is an extremely resistant material with excellent biocompatibility. Thinner wall diameters are possible
- Therefore higher flow rates which allow reduction of pressure-rate at the machine
- Round shape
- Valved split sheath dilator for easy and safe insertion with less blood loss



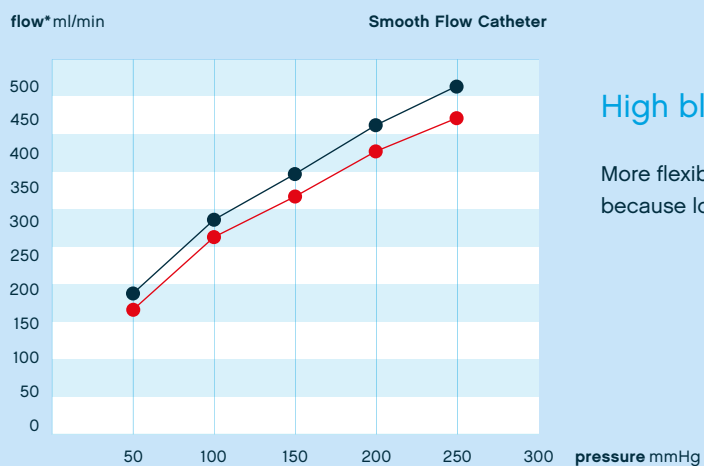
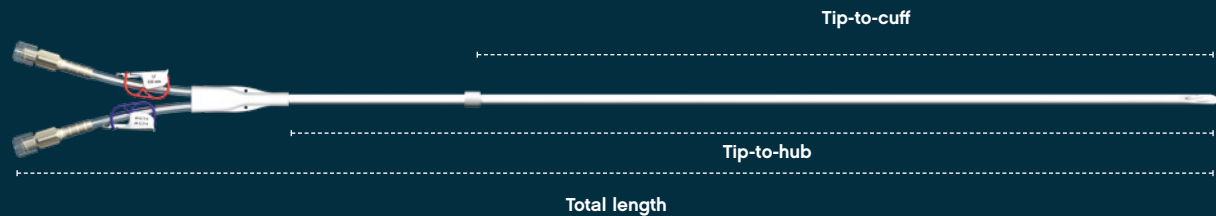
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Ordering Information

Smooth Flow Double Lumen 15.5 Fr

Anterograde Implantation				
Item No.	Tip-to-cuff	Tip-to-hub	Total length	pcs per box
PKSF15C19/36	190 mm	230 mm	360 mm	3
PKSF15C23/40	230 mm	270 mm	400 mm	3
PKSF15C28/45	280 mm	320 mm	450 mm	3
PKSF15C33/50	330 mm	370 mm	500 mm	3

Catheter lengths



High blood flow

More flexibility concerning the pump speed because lower pressure settings are possible.

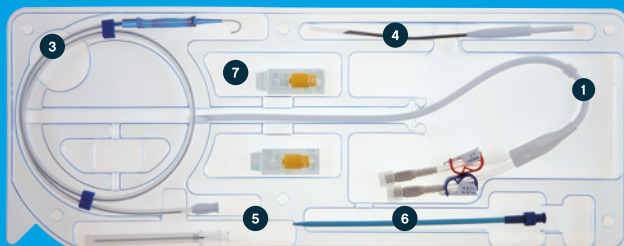
*Measured in Ringer's solution calculated for blood

Smooth Flow

Further advantages of our Smooth Flow Long Term Catheter

- PEEK connectors for extreme chemical and mechanical stability
- Radiopaque catheter shaft: Ensures X-ray visibility
- Safety clamps, with side-protection, preventing the extension-tube from slipping out. Indication of priming volume, Fr-size and length with a durable printing quality
- MRI compatible

Smooth Flow Kit **anterograde** includes

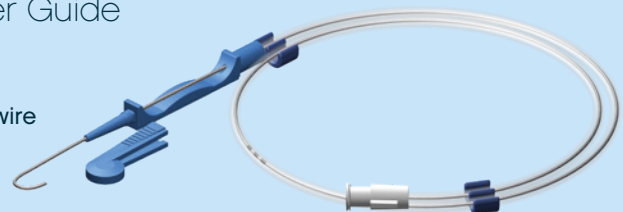


- 1 × Catheter
- 1 × Valved Split Sheath dilator 16 Fr
- 1 × Kink resistant J-Guide wire (Nitinol) 0.97 / 700 mm
- 1 × Trocar
- 1 × Introducer needle 18 G
- 1 × Dilator 12 Fr
- 2 × Luer Lock injection caps

Kink resistant guide wire

The new generation of Nitinol Seldinger Guide

The high content of titanium ensures extremely high flexibility and kink resistance. The nitinol guide wire guarantees a smooth surface and best gliding.



About Joline

Joline is an internationally active medical device company located in the South of Germany with more than 15 years experience in minimally invasive therapies.

Joline is an expert provider of catheter, balloon and stent technology for various medical applications and maintains an important tradition of 'Made in Germany' quality in all its products and services.

All Joline products are developed and produced exclusively in Germany. We integrate quality aspects in our daily work and strive to meet the high standards of our customers.

The highest priority we place on the health and safety of our patients.



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