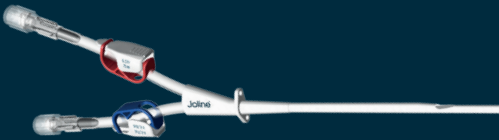


Extra Flow Family - Pediatric

Extra Flow Double Lumen 6.5 Fr



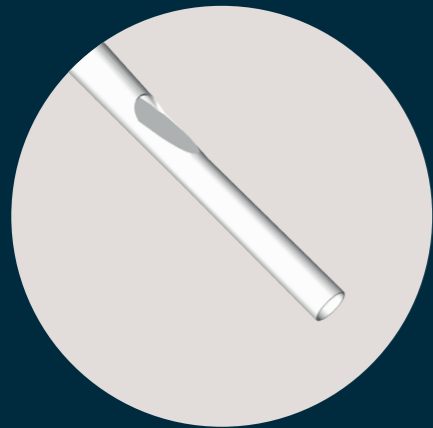
Extra Flow Double Lumen 8 Fr



Short Term Catheters



Extra Flow Double Lumen 6.5 Fr

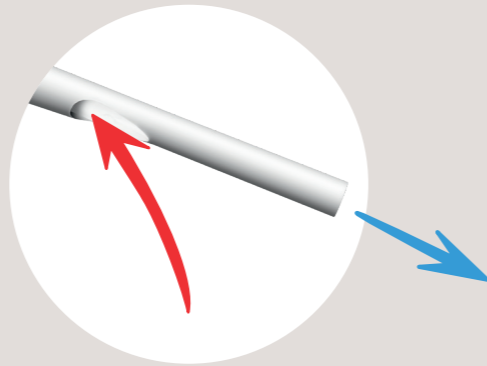


Special Tip-Design

- Large round blood return-hole
- Large oval blood entering-hole
- Supports laminar blood flow¹

Special Tip-Design


- The round return-hole at the tip same as the bevelled design of the access hole provide less turbulences⁵
- Supports laminar blood flow¹ and decrease clotting risk⁵
- Adhesion risk to the vessel wall due to the unique tip design considerably reduced¹



Kink Resistant Guidewire

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

Catheter-Shaft

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

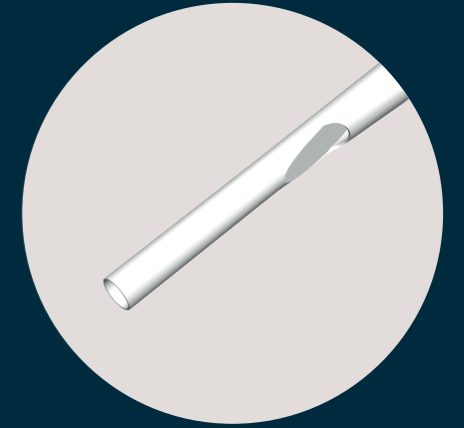
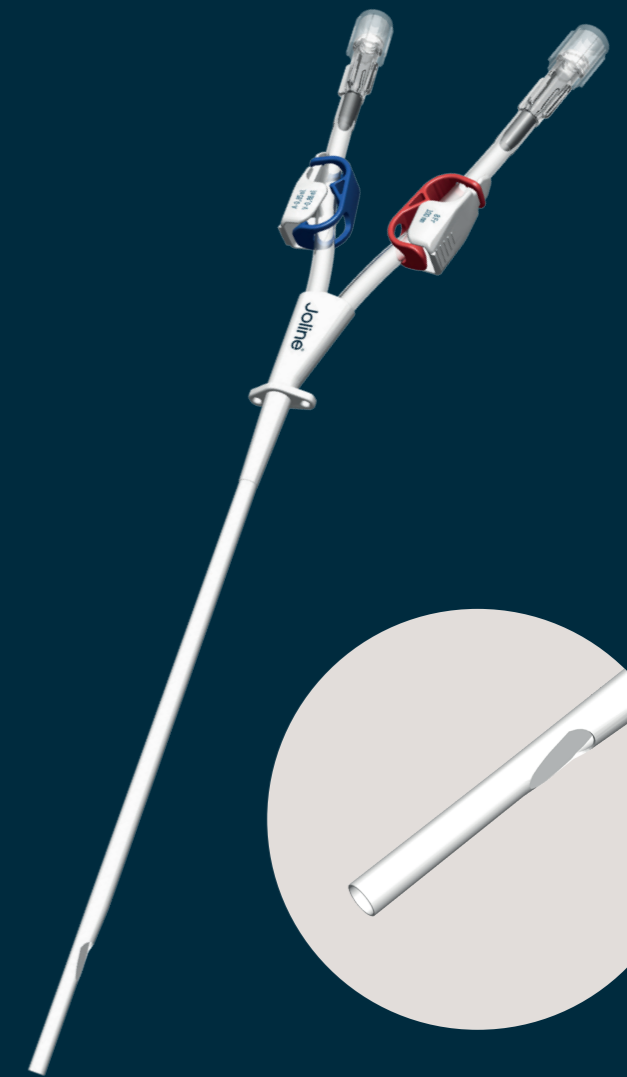


The best design for acute pediatric dialysis therapies

- Polyurethane in combination with large Double-D-Design maximizes internal diameter and allows high blood flow rates with small French sizes (outer diameter)
- Low local infection rate at exit site of the catheter⁴

- More flexibility in setting higher blood flow rates with adequate machine pressure
- Very low complication rate during implantation¹

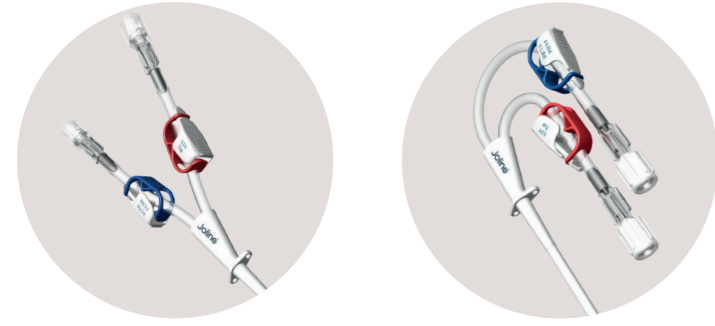
Extra Flow Double Lumen 8 Fr



Special Tip-Design

- Large round blood return-hole
- Large oval blood entering-hole
- Supports laminar blood flow¹

Extra Flow Double Lumen 6.5 Fr



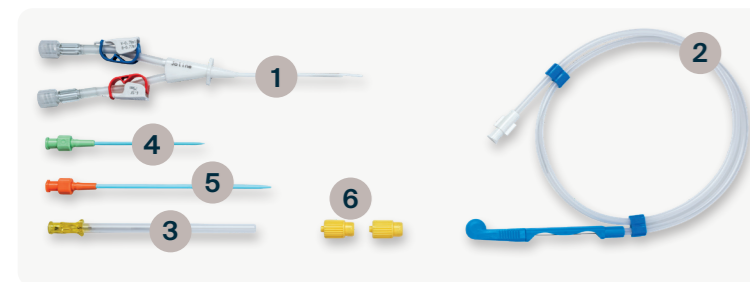
Straight Extensions

Curved Extensions

Extra Flow Double Lumen 6.5 Fr

Straight Extensions		Curved Extensions		pcs. per box
Item No.	Length	Item No.	Length	
PKDL06P075	75 mm	PKDL06P075R	75 mm	5
PKDL06P100	100 mm	PKDL06P100R	100 mm	5
PKDL06P125	125 mm	PKDL06P125R	125 mm	5

Example kit Extra Flow Double Lumen 6.5 Fr



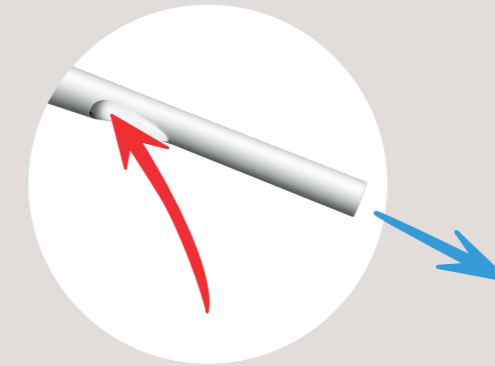
- 1 Catheter
- 2 Kink resistant Nitinol guidewire
- 3 Introducer needle
- 4 Dilator 6 Fr
- 5 Dilator 7 Fr
- 6 Luer-Lock injection caps

Advantages of our Extra Flow Family

- Variety of small sizes for individual pediatric care
- Developed with the high standards of High Flow Family Catheters
- Thermosensitive Polyurethane providing stiffness during implantation but softness at body temperature
- Biocompatible catheter materials
- X-ray visible and MR safe

Special Tip-Design

- The round return-hole at the tip same as the bevelled design of the access hole provide less turbulences⁵
- Supports laminar blood flow¹ and decrease clotting risk⁵
- Adhesion risk to the vessel wall due to the unique tip design considerably reduced¹



Kink Resistant Guidewire

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

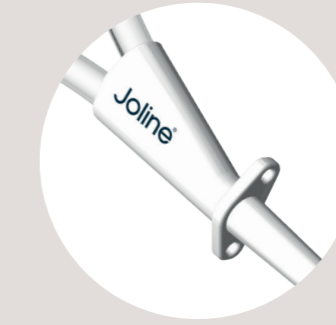
Catheter-Shaft

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



Hub Design

- Prolonged hub with smooth transition to catheter shaft
- Rotatable suture wing with minimal contact to skin surface for less irritation

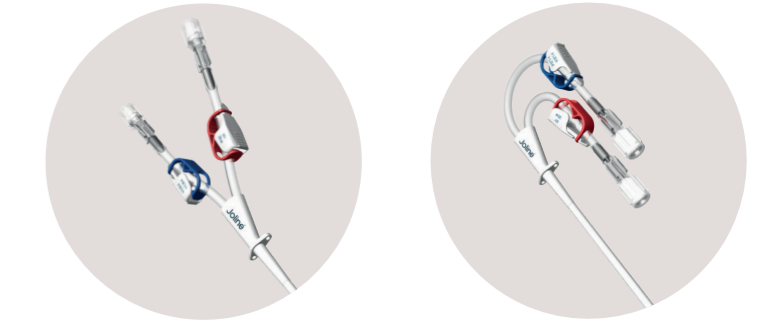


Safety Clamps

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



Extra Flow Double Lumen 8 Fr



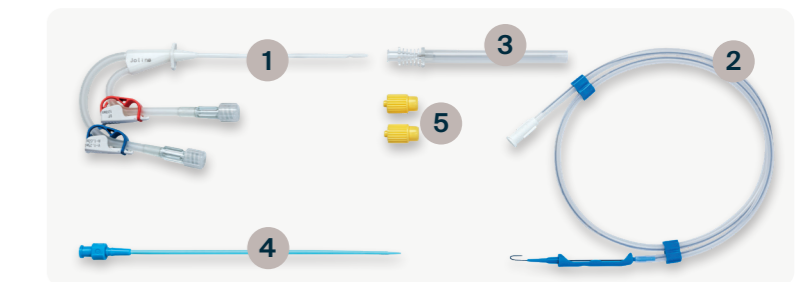
Straight Extensions

Curved Extensions

Extra Flow Double Lumen 8 Fr

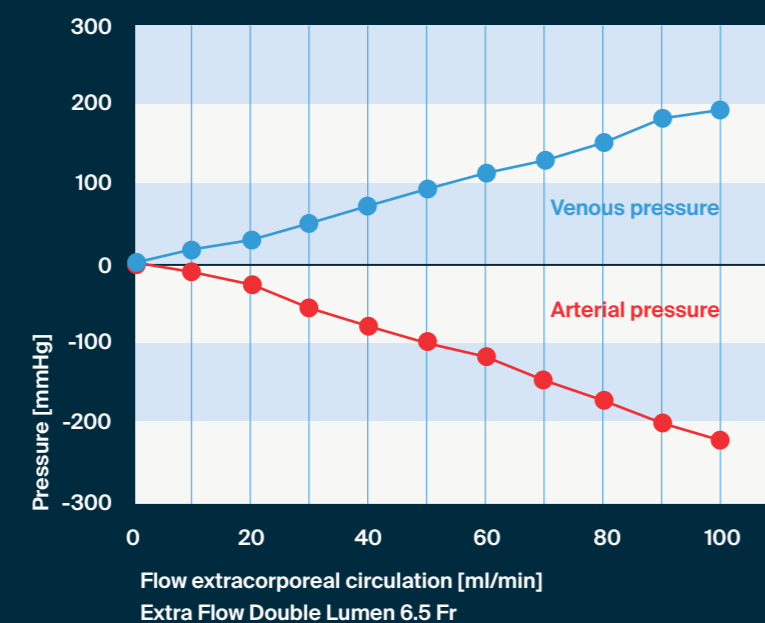
Straight Extensions		Curved Extensions		pcs. per box
Item No.	Length	Item No.	Length	
PKDL08P100	100 mm	PKDL08P100R	100 mm	5
PKDL08P125	125 mm	PKDL08P125R	125 mm	5
PKDL08P150	150 mm	PKDL08P150R	150 mm	5

Example kit Extra Flow Double Lumen 8 Fr



- 1 Catheter
- 2 Kink resistant Nitinol guidewire
- 3 Introducer needle
- 4 Dilator 8 Fr
- 5 Luer-Lock injection caps

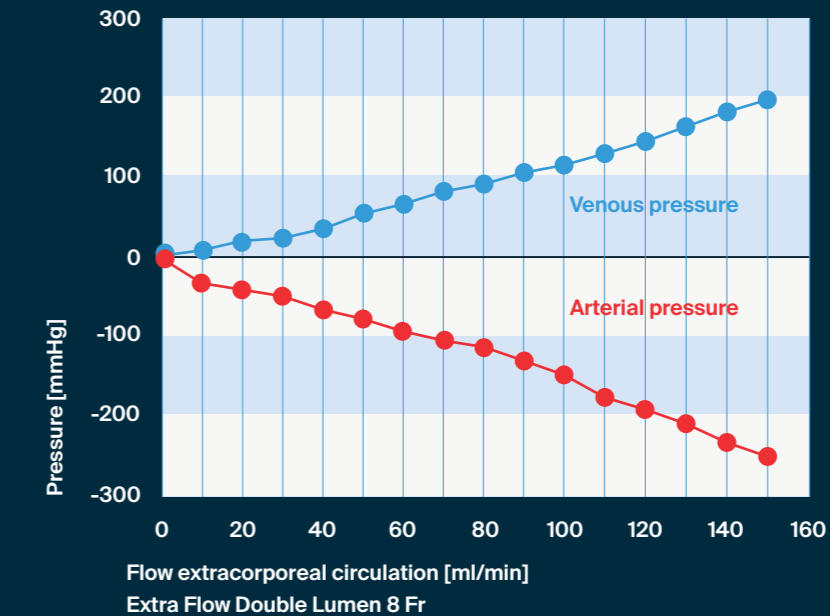
Flow/Pressure Ratio at 0-100 ml/min blood flow²



The best design for acute pediatric dialysis therapies

- Polyurethane in combination with large Double-D-Design maximizes internal diameter and allows high blood flow rates with small French sizes (outer diameter)
- Low local infection rate at exit site of the catheter⁴

Flow/Pressure Ratio at 0-150 ml/min blood flow³



References

- 1 Joannidis M, Oudemans-van Straaten HM. Clinical review: Patency of the circuit in continuous renal replacement therapy. Crit Care. 2007;11(4):218. doi: 10.1186/cc5937. PMID: 17634148; PMCID: PMC2206533
- 2 PKDLO6P125 / mean catheter 1-3, each measurement 1-3; Flow pressure ratio measured on Baxter CRRT Prismaflex; measured ex vivo by Clinical Research Labor; CRO LS medcap GmbH
- 3 PKDLO8P150 / mean catheter 1-3, each measurement 1-3; Flow pressure ratio measured on Baxter CRRT Prismaflex; measured ex vivo by Clinical Research Labor; CRO LS medcap GmbH
- 4 Customer feedback – Post-Market-Surveillance (PMS) – Clinical Research Organisation; CRO LS medcap GmbH
- 5 De Wachter, Deserranno D, Verdonck P: The Role of Side Holes in Dual Lumen Catheters: A Computational Study. Annular Meeting of the Vascular Access Society, London 2001

Joline[®] Medical
Technology

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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