

# Extra Flow Family - Pediatric

Extra Flow Double Lumen 6.5 Fr



Extra Flow Double Lumen 8 Fr

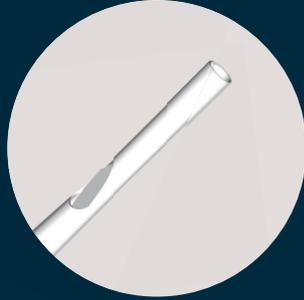


Short Term Catheters



# Extra Flow Double Lumen 6.5 Fr

29.1 pd

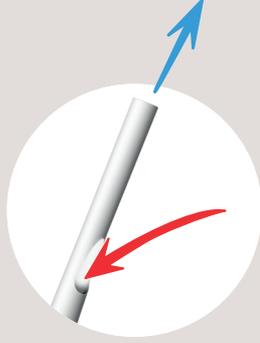


## Special Tip-Design

- Large round blood return-hole
- Large oval blood entering-hole
- Supports laminar blood flow<sup>1</sup>

## Special Tip-Design

- The round return-hole at the tip same as the bevelled design of the access hole provide less turbulences<sup>5</sup>
- Supports laminar blood flow<sup>1</sup> and decrease clotting risk<sup>6</sup>
- Adhesion risk to the vessel wall due to the unique tip design considerably reduced<sup>1</sup>



## 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<sup>TM</sup>)
- Large Double-D-Design

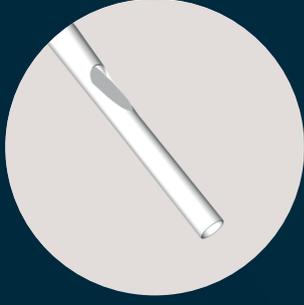
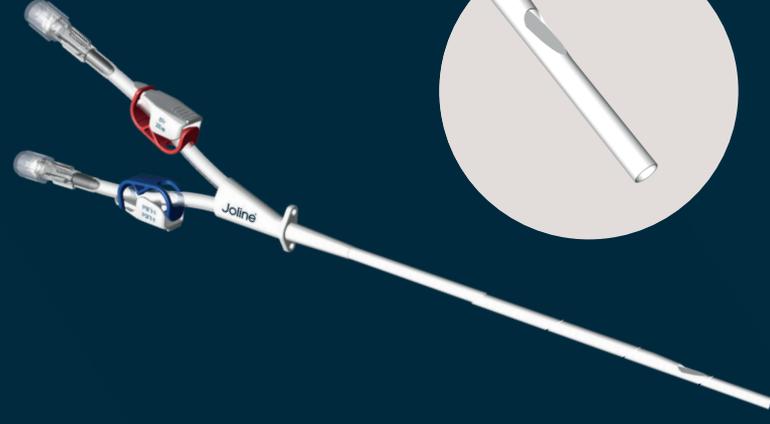


## The best design for acute pediatric dialysis therapies

- 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 catheter<sup>11</sup>

# Extra Flow Double Lumen 8 Fr

29.2 pd



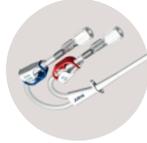
## Special Tip-Design

- Large round blood return-hole
- Large oval blood entering-hole
- Supports laminar blood flow<sup>1</sup>

## 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	
PKCOL6P07S	75 mm	PKCOL6P07SR	75 mm	5
PKCOL6P100	100 mm	PKCOL6P100R	100 mm	5
PKCOL6P125	125 mm	PKCOL6P125R	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 Liver-Lock injection caps
- 6 Liver-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 turbulences!
- Supports laminar blood flow and decrease clotting risk!
- Adhesion risk to the vessel wall due to the unique tip design considerably reduced!



## 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 (Tefocoll<sup>TM</sup>)
- 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

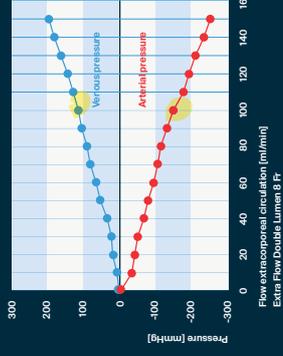
Straight Extensions		Curved Extensions		pcs. per box
Item No.	Length	Item No.	Length	
PKCOL8P100	100 mm	PKCOL8P100R	100 mm	5
PKCOL8P125	125 mm	PKCOL8P125R	125 mm	5
PKCOL8P150	150 mm	PKCOL8P150R	150 mm	5

### Example kit Extra Flow Double Lumen 8 Fr



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

### Flow/Pressure Ratio at 0-150 ml/min blood flow<sup>1</sup>

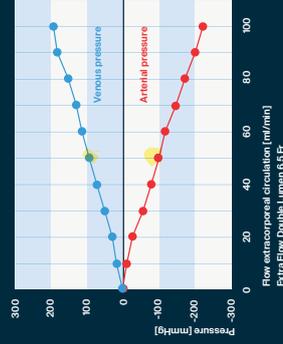


- More flexibility in setting higher blood flow rates with adequate machine pressure
- Very low complication rate during implantation<sup>1</sup>

### 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 catheter

### Flow/Pressure Ratio at 0-100 ml/min blood flow<sup>2</sup>



## 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

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