

ARROW NEXTSTEP® RETROGRADE

The first of its kind



TELEFLEX – DIALYSIS ACCESS THE ARROW WAY THE FIRST OF ITS KIND

Trusted brands make Teleflex a reliable and strong partner. Built on a solid tradition of innovation, Teleflex is a global leader in superior medical supplies designed to help providers minimise risk and maximise outcomes for their patients. Our understanding of the importance to our customers of a full range of devices has led to the development of a unique line of products, all of which complement one another.

ARROW's innovative dialysis access products are inspired by clinicians, based on the results they need to achieve. Therefore, we design every catheter to be as easy to use as it is effective, and precisely manufacture each one with uncompromising quality. As a result, clinicians trust ARROW's technology to enable safer procedures and deliver effective patient outcomes.

TELEFLEX – HIGH QUALITY MEDICAL SUPPLIES FROM A SINGLE SOURCE

THE ARROW NEXTSTEP® RETROGRADE IS THE FIRST OF ITS KIND, A CHRONIC HAEMO-DIALYSIS CATHETER DESIGNED TO COMBINE:

- a step-tip catheter's ease of insertion
- a split-tip catheter's sustained high flow

EASE OF INSERTION

The ARROW NextStep Retrograde unique tip is designed for:

- smooth transition through a sheath and over-the-wire insertion
- the benefits of retrograde tunneling

DESIGNED FOR SUSTAINED HIGH FLOW AND MINIMAL RECIRCULATION

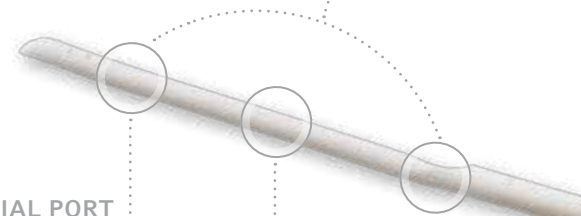
To reduce recirculation and deliver high flow, the ARROW NextStep Retrograde tip has two unique, complementary features:

- the ports are reversed to take better advantage of blood flow dynamics
 - the venous port releases blood in the SVC
 - the arterial port draws blood from the right atrium
 - side holes on the tip are designed to pull blood from all sides
- the ports are significantly separated to both enhance flow and minimise recirculation

Retrograde tunneling improves your ability to ideally position the catheter tip, cuff and hub. The ARROW NextStep Retrograde unique design is engineered to take advantage of retrograde tunneling, and to help you achieve the outcomes you want for your patients.

In particular, retrograde insertion:

- facilitates fast, precise tip placement within the right atrium
- helps create a smooth, contoured tunnel tract that:
 - minimises catheter kinking
 - inhibits catheter migration
 - minimises retrograde bleeding
- permits reproducible cuff positioning and exit site location
- eases hub replacement



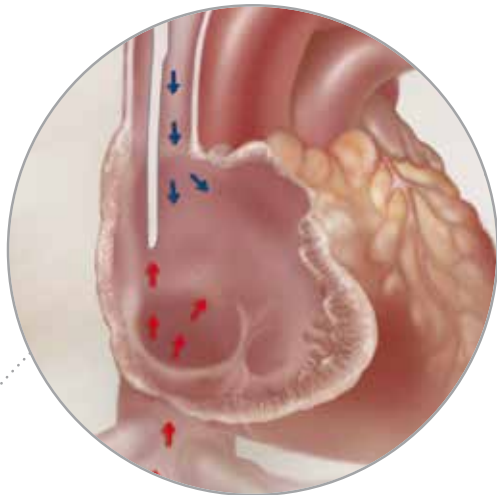
ARTERIAL PORT
designed to optimise flow by residing in the right atrium; side holes engineered to pull blood from all sides

EASY TO INSERT
designed for smooth transition through sheath and over-the-wire insertion

VENOUS PORT
significant separation from arterial port enhances flow and minimises recirculation

ARROW NEXTSTEP RETROGRADE

STEP-TIP EASE MEETS SPLIT-TIP FLOW



REVERSED PORTS

to help deliver sustained high flow, the ARROW NextStep Retrograde ports are reversed: the venous port resides in the SVC, the arterial port in the right atrium



REPLACEABLE HUB CONNECTION

enables easy replacement without removing indwelling catheter



ALCOHOL-COMPATIBLE CONSTRUCTION

for use with a broad spectrum of agents, including ChlorPrep® and iodine¹

FEATURED KIT COMPONENTS

ARROW SmartSeal® haemostatic peelable dialysis sheath

- designed to minimise risk of air embolism and clinicians' exposure to bloodborne pathogens when compared to a sheath that does not have a valve.



THIS NEXTSTEP RETROGRADE SET INCLUDES:

- 1 catheter: 15 Fr.
- 1 ARROW SmartSeal® haemostatic peelable dialysis sheath: 16 Fr.
- 1 spring-wire guide:
.038" (.97 mm) x 39-1/2"
(100 cm) straight stiff tip on one end – "J" tip on other with Arrow Advancer™
- 1 introducer needle: 18 Ga. x 2-1/2"
(6.35 cm)
- 1 pre-loaded tunneler (metal) with threaded compression cap and compression sleeve
- 1 hub connection assembly
- 2 Luer-lock caps
- 1 tunnel dilator
- 1 dressing: Tegaderm® 10 cm x 12 cm
- 1 tissue dilator: 12 Fr.
- 1 tissue dilator: 14 Fr.
- 1 SharpsAway II™ locking disposal cup
- 1 safety scalpel: #11
- 1 irrigation tube with clamp
- 1 catheter clamp
- 1 patient ID card

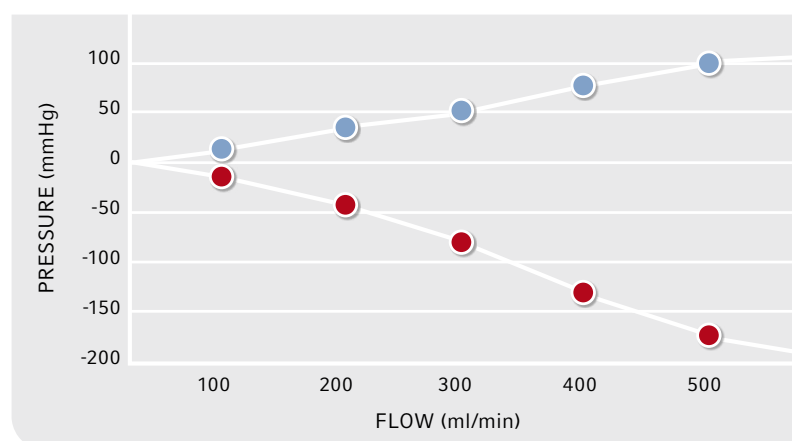
To learn more about retrograde insertion talk to your sales representative or visit Arrowintl.com/NextStep.

ARROW NEXTSTEP RETROGRADE CHRONIC HAEMODIALYSIS CATHETER SETS			ARROW
REF.	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH (CM)	
CS-15192-X	Arrow 15 Fr. x 7.5" (19 cm) radiopaque polyurethane catheter	19	
CS-15232-X	Arrow 15 Fr. x 9" (23 cm) radiopaque polyurethane catheter	23	
CS-15272-X	Arrow 15 Fr. x 10.5" (27 cm) radiopaque polyurethane catheter	27	
CS-15312-X	Arrow 15 Fr. x 12" (31 cm) radiopaque polyurethane catheter	31	

ARROW NEXTSTEP RETROGRADE CHRONIC HAEMODIALYSIS CATHETER-REPLACEMENT HUBS			ARROW
REF.	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH (CM)	
NRH-15192	NextStep replacement hub for part# CS-15192-X (catheter)	19	
NRH-15232	NextStep replacement hub for part# CS-15232-X (catheter)	23	
NRH-15272	NextStep replacement hub for part# CS-15272-X (catheter)	27	
NRH-15312	NextStep replacement hub for part# CS-15312-X (catheter)	31	

Does not contain natural rubber latex.

ENGINEERED FOR HIGH FLOW



● Arterial Pressure ● Venous Pressure

REFERENCE:

¹ Alcohol, alcohol-based solutions such as Chloraprep®; iodine-based solutions such as Povidone-iodine, mineral oil-based ointments, hydrogen peroxide or commercially available ExSept Plus are accepted for use with the ARROW NextStep catheter.

Caution: U.S. Federal law restricts this device to sale by or on the order of a physician.

Teleflex is a leading global provider of specialty medical devices used for diagnostic and therapeutic procedures in critical care, urology and surgery. Our mission is to provide solutions that enable healthcare providers to improve outcomes and enhance patient and provider safety. We specialise in devices for general and regional anaesthesia, cardiac care, respiratory care, urology, vascular access and surgery and we serve healthcare providers in more than 130 countries. Teleflex also provides specialty products for medical device manufacturers.

Our well known brands include ARROW®, DEKNATEL®, GIBECK®, HUDSON RCI®, KMEDIC®, LMA™, PILLING®, PLEUR-EVAC®, RÜSCH®, SHERIDAN®, TAUT®, TFX OEM®, VASONOVA™ and WECK®, all of which are trademarks or registered trademarks of Teleflex Incorporated.

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For detailed information see www.teleflex.com

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Subject to technical changes without further notice.

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