

ARROW® NEXTSTEP® ANTEGRADE

The next step in dialysis catheter technology

STEP-TIP EASE MEETS SPLIT TIP FLOW

THE ARROW NEXTSTEP ANTEGRADE IS A CHRONIC HEMODIALYSIS 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 Antegrade's unique tip is designed for:

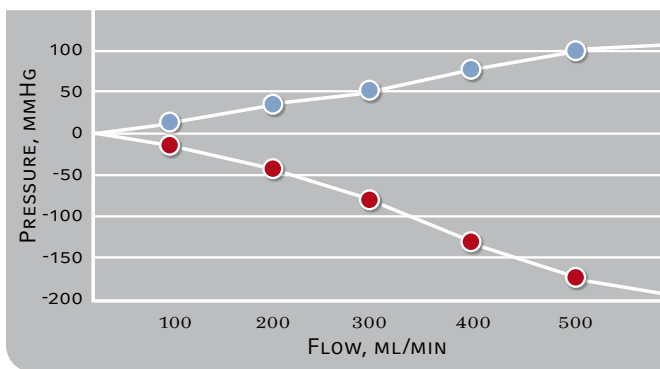
- Smooth transition of over-the-wire insertion and exchanges
- Smooth transition through a sheath

DESIGNED FOR SUSTAINED HIGH FLOW AND MINIMAL RECIRCULATION

To reduce recirculation and deliver high flow, the Arrow NextStep Antegrade's 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 minimize recirculation

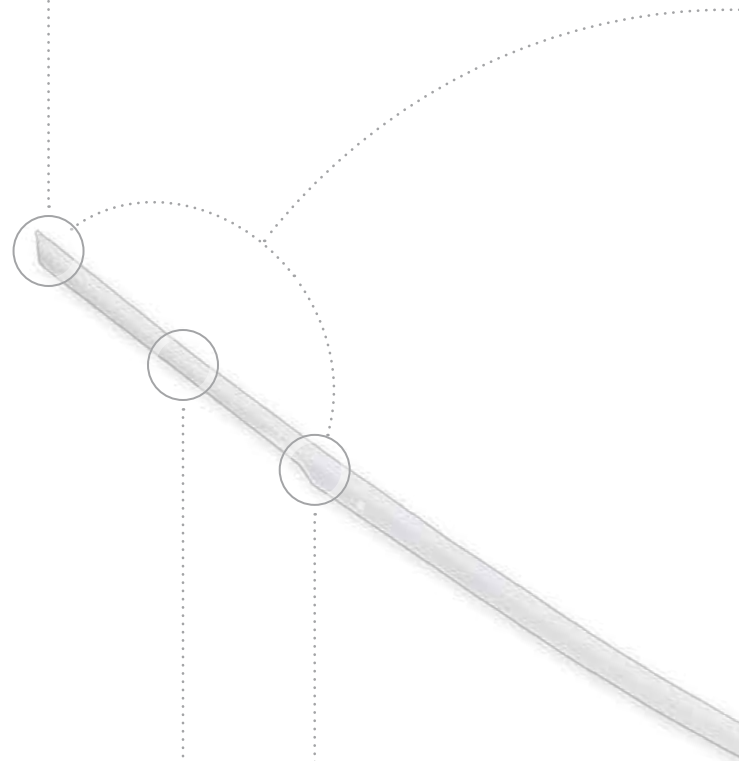
ENGINEERED FOR HIGH FLOW¹



● Arterial Pressure ● Venous Pressure

ARTERIAL PORT

Designed to optimize flow by residing in the right atrium; side holes engineered to pull blood from all sides

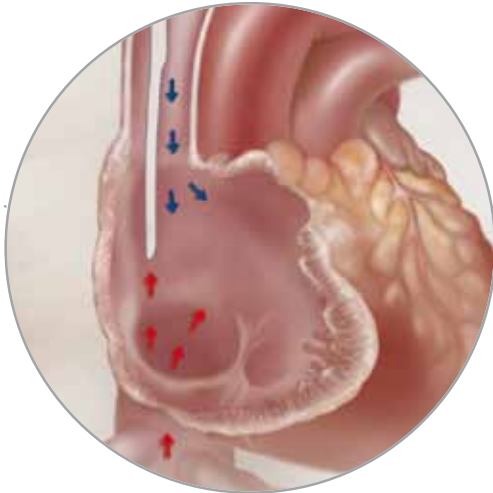


VENOUS PORT

Significant separation from arterial port enhances flow and minimizes recirculation

EASY TO INSERT

Designed for smooth transition through sheath and over-the-wire insertion



REVERSED PORTS

To help deliver sustained high flow, the Arrow NextStep's ports are reversed: The venous port resides in the SVC, the arterial port in the right atrium.



ALCOHOL-COMPATIBLE CONSTRUCTION

For use with a broad spectrum of agents, including Chloraprep® and iodine²

FEATURED KIT COMPONENTS



Arrow SmartSeal® Hemostatic Peelable Dialysis Sheath

- Designed to minimize risk of air embolism and clinicians' exposure to bloodborne pathogens.



Arrow Simplicity® Color-Coded Micro-Puncture Introducer Set

- Unique system designed to simplify catheterization and facilitate optimal placement. Corresponds to color-coded packaging for Arrow NextStep chronic hemodialysis catheters.

*Arrow NextStep Antegrade
Hemodialysis Catheterization
set (CS-15232-SFX)*



**THE ARROW NEXTSTEP ANTEGRADE
HEMODIALYSIS CATHETERIZATION SET INCLUDES:**

- 1 Catheter: 15 Fr.
- 1 Arrow SmartSeal® Hemostatic 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 Tunneling Sheath
- 2 Luer-Lock caps
- 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 Patient ID card

**ARROW NEXTSTEP® ANTEGRADE CHRONIC HEMODIALYSIS CATHETER SETS WITH ARROW SIMPLICITY®
COLOR-CODED MICRO-PUNCTURE INTRODUCER**

COLOR CODE	PRODUCT #	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH (CM)
19	CS-15192-SFXM	Arrow 15 Fr. x 7.5" (19 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 GA. Micro-puncture Introducer Set	19
23	CS-15232-SFXM	Arrow 15 Fr. x 9" (23 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 GA. Micro-puncture Introducer Set	23
27	CS-15272-SFXM	Arrow 15 Fr. x 10.5" (27 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 GA. Micro-puncture Introducer Set	27
31	CS-15312-SFXM	Arrow 15 Fr. x 12" (31 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 GA. Micro-puncture Introducer Set	31

ARROW NEXTSTEP® ANTEGRADE CHRONIC HEMODIALYSIS CATHETER SETS

COLOR CODE	PRODUCT #	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH (CM)
19	CS-15192-SFX	Arrow 15 Fr. x 7.5" (19 cm) Radiopaque Polyurethane Catheter	19
23	CS-15232-SFX	Arrow 15 Fr. x 9" (23 cm) Radiopaque Polyurethane Catheter	23
27	CS-15272-SFX	Arrow 15 Fr. x 10.5" (27 cm) Radiopaque Polyurethane Catheter	27
31	CS-15312-SFX	Arrow 15 Fr. x 12" (31 cm) Radiopaque Polyurethane Catheter	31
	CS-15422-SFX	Arrow 15 Fr. x 16.5" (42cm) Radiopaque Polyurethane Catheter	42
	CS-15502-SFX	Arrow 15 Fr. x 19.7" (50cm) Radiopaque Polyurethane Catheter	50

ARROW SIMPLICITY

COLOR CODE	PRODUCT #	DESCRIPTION	QTY
	MP-04450-AS	Color-Coded Micro-Puncture Introducer Set	5 ea. per box



Does not contain natural rubber latex.

Note: Products are not CE marked.

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

REFERENCES:

¹ In vitro tests performed by an independent laboratory using 3:1 glycerine/saline at 37°C (Citech, Plymouth Meeting, PA).

² Alcohol, alcohol-based solutions such as ChloroPrep®; iodine-based solutions such as Povidone-iodine, mineral oil-based ointments, hydrogen peroxide or commercially available ExSept® are accepted for use with the Arrow NextStep catheter.

Teleflex is a global provider of medical products designed to enable healthcare providers to protect against infections and improve patient and provider safety. The company specializes in products and services for vascular access, respiratory, general and regional anesthesia, cardiac care, urology and surgery. Teleflex also provides specialty products for device manufacturers.

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TELEFLEX MEDICAL

PO Box 12600

Research Triangle Park, NC 27709

Toll Free 866.246.6990

Phone 919.544.8000

Intl 919.361.3964

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