

# Ordering Information

Arrow-Clark™ VectorFlow® Hemodialysis Catheter					
RETROGRADE	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH (CM)	ANTEGRADE	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH (CM)
CS-15192-VF	15 Fr. x 19 cm Retrograde Radiopaque Polyurethane Catheter	19	CS-15192-VFI	15 Fr. x 19 cm Antegrade Radiopaque Polyurethane Catheter	19
CS-15232-VF	15 Fr. x 23 cm Retrograde Radiopaque Polyurethane Catheter	23	CS-15232-VFI	15 Fr. x 23 cm Antegrade Radiopaque Polyurethane Catheter	23
CS-15272-VF	15 Fr. x 27 cm Retrograde Radiopaque Polyurethane Catheter	27	CS-15272-VFI	15 Fr. x 27 cm Antegrade Radiopaque Polyurethane Catheter	27
CS-15312-VF	15 Fr. x 31 cm Retrograde Radiopaque Polyurethane Catheter	31	CS-15312-VFI	15 Fr. x 31 cm Antegrade Radiopaque Polyurethane Catheter	31
CS-15422-VF	15 Fr. x 42 cm Retrograde Radiopaque Polyurethane Catheter	42	CS-15422-VFI	15 Fr. x 42 cm Retrograde Radiopaque Polyurethane Catheter	42
CS-15552-VF	15 Fr. x 55 cm Retrograde Radiopaque Polyurethane Catheter	55	CS-15552-VFI	15 Fr. x 55 cm Retrograde Radiopaque Polyurethane Catheter	55

Packaged in quantities of 1 unit per box.

Arrow-Clark™ VectorFlow® Hemodialysis Catheter with Arrow Simplicity® Micro-Introducer Kit					
RETROGRADE WITH ARROW SIMPLICITY KIT	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH (CM)	ANTEGRADE WITH ARROW SIMPLICITY KIT	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH (CM)
CS-15192-VFM	15 Fr. x 19 cm Retrograde Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	19	CS-15192-VFIM	15 Fr. x 19 cm Antegrade Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	19
CS-15232-VFM	15 Fr. x 23 cm Retrograde Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	23	CS-15232-VFIM	15 Fr. x 23 cm Antegrade Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	23
CS-15272-VFM	15 Fr. x 27 cm Retrograde Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	27	CS-15272-VFIM	15 Fr. x 27 cm Antegrade Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	27
CS-15312-VFM	15 Fr. x 31 cm Retrograde Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	31	CS-15312-VFIM	15 Fr. x 31 cm Antegrade Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	31

Packaged in quantities of 1 unit per box.

Arrow-Clark™ VectorFlow® Hemodialysis Catheter with Replacement Hub for Retrograde Catheters		
RETROGRADE HUB REPLACEMENTS	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH (CM)
VF-15192	Arrow-Clark VectorFlow Replacement Hub for part # CS-15192-VFM (19 cm)	19
VF-15232	Arrow-Clark VectorFlow Replacement Hub for part # CS-15232-VFM (23 cm)	23
VF-15272	Arrow-Clark VectorFlow Replacement Hub for part # CS-15272-VFM (27 cm)	27
VF-15312	Arrow-Clark VectorFlow Replacement Hub for part # CS-15312-VFM (31 cm)	31
VF-15422	Arrow-Clark VectorFlow Replacement Hub for part # CS-15422-VFM (42 cm)	42
VF-15552	Arrow-Clark VectorFlow Replacement Hub for part # CS-15552-VFM (55 cm)	55

Packaged in quantities of 1 unit per box.

**Note:** Arrow-Clark™ VectorFlow® Hemodialysis Catheter Kits contain: Catheter, SmartSeal™ Dialysis Sheath, Spring Wire Guide, Introducer needle, 12 Fr. Tissue Dilator, 14 Fr. Tissue Dilator, Luer Lock Caps, SharpsAway™ II Locking Disposal Cup, Tunneler, Safety Scalpel, Patient ID Card, Tegaderm® Dressing.

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**Corporate Office**  
Phone +1 610 225 6800, 550 E. Swedesford Road, Suite 400, Wayne, PA 19087, USA

**Regional Offices**  
**United States:** Phone +1 919 544 8000, Toll Free 866 246 6990, cs@teleflex.com, 3015 Carrington Mill Boulevard, Morrisville, NC 27560, USA

**Latin America:** Phone +1 919 433 4999, la.cs@teleflex.com, 3015 Carrington Mill Boulevard, Morrisville, NC 27560, USA

**International:** Phone +353 (0)9 06 46 08 00, orders.intl@teleflex.com, Teleflex Medical Europe Ltd., IDA Business and Technology Park, Dublin Road, Athlone, Co Westmeath, Ireland

- Australia** 1300 360 226  
**Austria** +43 (0)1 402 47 72  
**Belgium** +32 (0)2 333 24 60  
**Canada** +1 (0)800 387 9699  
**China** (Shanghai) +86 (0)21 6163 0965  
**China** (Beijing) +86 (0)10 6418 5699  
**Czech Republic** +420 (0)495 759 111  
**France** +33 (0)5 62 18 79 40  
**Germany** +49 (0)7151 406 0  
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**India** +91 (0)44 2836 5040  
**Italy** +39 0362 58911  
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**Netherlands** +31 (0)88 00 215 00  
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**Poland** +48 22 4624032  
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**Singapore** (SEA non-direct sales countries) +65 6439 3000  
**Slovak Republic** +421 (0)3377 254 28  
**South Africa** +27 (0)11 807 4887  
**Spain** +34 918 300 451  
**Switzerland** +41 (0)31 818 40 90  
**United Kingdom** +44 (0)1494 53 27 61  
**For more information, please visit teleflex.com.**

**References:**

- Clark TWL, Redmond JW, Mantell MP, et al. Initial clinical experience: symmetric-tip dialysis catheter with helical flow characteristics improves patient outcomes. *J Vasc Interv Radiol.* 2015;26(10):1501-1508. Timothy Clark, MD, is a paid consultant and receives royalty payments from Teleflex or its affiliates for the Arrow-Clark VectorFlow Chronic Hemodialysis Catheter.
- Ross JR, Puga TA, & Philbeck TE. Longitudinal dialysis adequacy and clinical performance of the VectorFlow hemodialysis catheter: a prospective study. *J Vasc Access.* 2017;26:0. Epub ahead of print. Study sponsored by Teleflex. Ross JR was formerly a paid consultant of Teleflex. Puga TA and Philbeck TE are employees of Teleflex.
- Clark TWL, Izu G, Gallo, D, et al. Comparison of symmetric hemodialysis catheters using computational fluid dynamics., *J Vasc Interv Radiol.* 2015;26(2):252-259. Data on file at Teleflex. Computer modeling may not be indicative of clinical performance. Timothy Clark, MD, is a paid consultant and receives royalty payments from Teleflex or its affiliates for the Arrow-Clark VectorFlow Chronic Hemodialysis Catheter.
- KDOQI Clinical Practice Guidelines and Clinical Practice Recommendations for 2006 Updates: Hemodialysis Adequacy, Peritoneal Dialysis Adequacy and Vascular Access. *Am J Kidney Dis* 48:S1-S322, 2006 (suppl 1). Study sponsored by Teleflex.

Please see the Instructions for Use for a complete listing of the indications, contraindications, warnings and precautions. CAUTION: Federal (USA) law restricts this device to sale by or on the order of a physician.

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## Arrow-Clark™ VectorFlow® Chronic Hemodialysis Catheter

Because in chronic hemodialysis catheters, the tip matters



# Designed for Advanced Performance

The Arrow-Clark™ VectorFlow® Chronic Hemodialysis Catheter has demonstrated low occlusion and infection rates in multiple clinical studies<sup>1,2</sup>



### VectorFlow Patented Symmetrical Tip Design

- Catheter tip designed to reduce the risk of platelet damage caused by shear stress, potentially helping to reduce the risk of thrombus accumulation on catheter surface<sup>2</sup>
- Tapered tip for ease of placement over guidewire

### Easy to Read

Information on clamp inserts includes lumen fill volume, French size and length

### Sidehole Design

Engineered to optimize catheter flow and reduce the loss of lock solution,<sup>3</sup> a contributing factor in reducing the risk of thrombus adherence<sup>4</sup>

### Minimal Recirculation

Tip design deflects venous blood away from the catheter, in a direction opposite to blood entering the catheter in arterial lumen

## Clinical Data Supporting Hemodialysis Adequacy with the Arrow-Clark™ VectorFlow® Chronic Hemodialysis Catheter

Results from a 46-patient, one-center, non-randomized clinical study evaluating hemodialysis adequacy of Arrow-Clark™ VectorFlow® Chronic Hemodialysis Catheter showed a reduction in thrombogenic risk during clinical usage. The Arrow-Clark™ VectorFlow® Catheter demonstrated the following:<sup>2</sup>

- Mean flow rates of 333 – 392 mL/min over a 90-day observational period\*
- Mean Kt/V values consistently ≥ 1.5 over a 90-day observational period\*
- An overall intervention-free catheter patency rate of ≥ 88.8% over a 90-day observational period\*

\* Testing performed at 30, 60 and 90 days, during study.

## Arrow-Clark™ VectorFlow® Catheters showed low infection and thrombosis rates<sup>2</sup>

COMPLICATION	CATHETER DAYS	RATE
Occlusion	0.3/1000	2.2%
Infection	0.7/1000	4.3%
Combined Complications	1.0/1000	6.5%