

ARROW® RIGHT HEART PRODUCTS

Designed to meet clinician preference and patient needs



THERMODILUTION CATHETER SERIES

THREE DIFFERENT CATHETER BODY FIRMNESS LEVELS

- Insertion made easy with catheters from firm to soft
- Flow directed for easy positioning
- Torque-controlled catheters for better maneuverability and control even at femoral insertion site; retains firmness *in situ* for a longer time
 - (T) Torque (control)
 - (FL) Flexi torque catheters slightly softer than torque (control)
 - (F) Flotation (softest)

MULTIPLE OPTIONS

- Variety of French sizes from 4 Fr. to 7.5 Fr.
- Optional 4 or 5 lumen

CATHETER DESIGNED FOR EASY INSERTION, HANDLING AND MANAGEMENT

- Taper tip for easy handling while inserting through sheath
- No step-up at balloon/catheter junction
 - Allows equal sheath/catheter sizing if desired (7 Fr. catheter through 7 Fr. sheath)
 - Minimizes potential for vessel trauma and blood loss
- Larger distal lumen due to tapered tip design for better waveform visualization
- Simplified lumen identification with standard color-coding
- Translucent polyurethane extension lines
 - Allows easy identification of air bubbles



THERMODILUTION CATHETERS

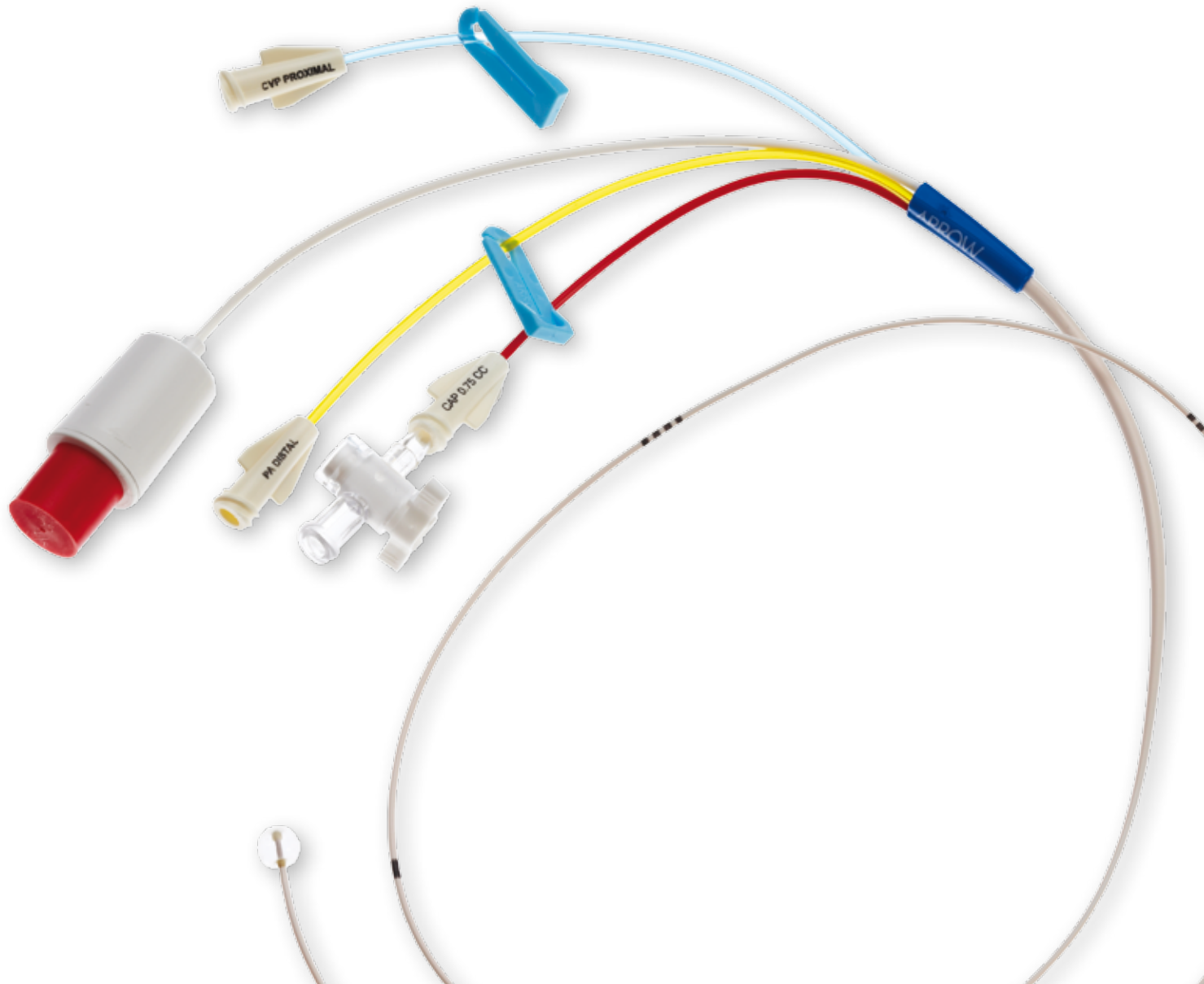
CONVENTIONAL STYLE CATHETERS

PRODUCT NO.	FRENCH SIZE	HEPARIN COATED	USEFUL LENGTH	NO. OF LUMENS	CATHETER BODY STYLE	RECOM'D INTRODUCER SIZE	BALLOON INFLATION CAPACITY	INFLATED BALLOON DIAMETER	MAXIMUM WIRE FOR INSERTION	CVP PROXIMAL LUMEN PORT DISTANCE FROM TIP ¹	INFUSION LUMEN PORT DISTANCE FROM TIP	CE MARK
AI-07044	4 Fr.	No	75 cm	4	T	5 Fr.	0.75 cc	8 mm	0.014 in	10 cm	n/a	Yes
AI-07165	5 Fr.	No	80 cm	4	T	5 or 6 Fr.	1.0 cc	8 mm	0.018 in	15 cm	n/a	Yes
AI-07167	7 Fr.	No	110 cm	4	T	7 or 8 Fr.	1.5 cc	12 mm	0.025 in	29 cm	n/a	Yes
AI-07365-NHL	6 Fr.	No	110 cm	4	T	6 or 7 Fr.	1.0 cc	10 mm	0.018 in	29 cm	n/a	No
AI-07367	7 Fr.	No	110 cm	4	F	7 or 8 Fr.	1.5 cc	12 mm	0.025 in	29 cm	n/a	Yes
AI-07368-NHF	7 Fr.	No	110 cm	4	F	7 or 8 Fr.	1.5 cc	12 mm	0.025 in	29 cm	n/a	No

CATHETERS WITH INFUSION PORT

AI-07077-G	7.5 Fr.	No	110 cm	5	FL	8.5 Fr.	1.5 cc	12 mm	0.025 in	29 cm	31 cm	Yes
AI-07377-NH	7.5 Fr.	No	110 cm	5	F	8.5 Fr.	1.5 cc	12 mm	0.025 in	29 cm	31 cm	No

NOTE: Catheter body style: T – Higher Torque Control FL – Flexi Torque (mid-range) F – Flotation (softest)
Each package includes: Thermistor catheter, Control stroke syringe, non-vented dust cap, extension line clamps



BIPOLAR PACING CATHETERS AND PACING KITS

INTRODUCER KITS WITH ARROW® SHEATHS BRING ADDED CONVENIENCE TO PACING PROCEDURES

When cardiac pacing is needed, having the right tools at hand is essential. The Arrow Brand provides complete bipolar pacing catheterization kits designed to make the placement of pacing catheters faster, easier and more convenient than ever.

EASIER TO INSERT AT THE PATIENT’S BEDSIDE

The Arrow Brand offers two styles of bipolar pacing catheters:

- Torque-directed catheter provides superior maneuverability and mechanical stability
- Balloon flotation catheters allow easy and correct positioning at the bedside without fluoroscopy

ALL KIT COMPONENTS ARE MATCHED TO FIT

- Everything comes packaged in a single, compact kit
- A variety of appropriately sized needles, syringes, prep solution, lidocaine* and drapes are included in each kit
- Arrow PSI Components are matched to fit the Bipolar Pacing Catheter size
- An integral side port with hemostasis device is provided for use with the PSI

CONSIDER DOWNSIZING

- Arrow Torque-Directed Catheters match the same French size sheath
- Optional 5 Fr. available in balloon flotation design

EACH KIT CONTAINS

QTY: DESCRIPTION	QTY: DESCRIPTION
110 cm Bipolar Pacing Catheter	2 mm Reusable Pin Adapters
Sheath Assembly with Sideport/ Hemostasis Valve	Scalpel, #11
Tuohy-Borst Locking Mechanism	Fenestrated and Non-Fenestrated Drapes
Tissue Dilator	18 Ga. 2-1/2" Catheter over 20 Ga. RW Introducer Needle
0.035" (45 cm) "J" Tip Spring Wire Guide	Syringes, 1.10 cc, 3 cc and 5 cc
80 cm Cath-Gard® Contamination Shield with Tuohy-Borst Adapter	Injection Needles, 22 Ga. x 1-1/2", 25 Ga. x 1"
3 mL Applicator Pouch, 2% CHG and 70% IPA ChloraPrep® One-Step solution with Hi-Lite Orange™ Tint	Introducer Needle 18 Ga. x 2-1/2"
5 mL Xylocaine 1%	High-flow 3-way Stopcock
Povidone-Iodine Ointment* 1 gm 10%	Gauze Pads, 2 x 2 and 4 x 4
ECG Alligator Clip	3-0 Silk Suture

NOTE: Final position of the pacing catheter should be confirmed by X-ray.
* Lidocaine is available in specified kits only. To order kits without medication, order the -IK product number. Available for export sale only.

PACING CATHETER KITS†

BALLOON FLotation CATHETER KITS								
PRODUCT NO.	FRENCH SIZE	INTRODUCER INCLUDED	RECOM'D USEFUL LENGTH	INFLATED BALLOON CAPACITY	BALLOON INFLATION DIAMETER	ELECTRODE WIDTH	ELECTRODE SPACING	MEDICATION IN KIT
AI-07155-KS	5 Fr.	6 Fr.	110 cm	0.75 cc	8 mm	5 mm	25 mm	Yes
AI-07155-IK*	5 Fr.	6 Fr.	110 cm	0.75 cc	8 mm	5 mm	25 mm	No
TORQUE-DIRECTED CATHETER KITS								
PRODUCT NO.	FRENCH SIZE	INTRODUCER INCLUDED	RECOM'D USEFUL LENGTH	INFLATED BALLOON CAPACITY	BALLOON INFLATION DIAMETER	ELECTRODE WIDTH	ELECTRODE SPACING	MEDICATION IN KIT
AI-06210-KS	6 Fr.	7 Fr.	110 cm	n/a	n/a	2 mm	10 mm	Yes
AI-06210-IK*	6 Fr.	7 Fr.	110 cm	n/a	n/a	2 mm	10 mm	No

PACING CATHETERS ONLY†

BALLOON FLotation CATHETERS								
PRODUCT NO.	FRENCH SIZE	INTRODUCER RECOM'D	RECOM'D USEFUL LENGTH	INFLATED BALLOON CAPACITY	BALLOON INFLATION DIAMETER	ELECTRODE WIDTH	ELECTRODE SPACING	MEDICATION IN KIT
AI-07154*	5 Fr.	6 Fr.	105 cm	0.75 cc	8 mm	5 mm	15 mm	n/a
AI-07154-S	5 Fr.	6 Fr.	105 cm	0.75 cc	8 mm	5 mm	15 mm	n/a
AI-07155*	5 Fr.	6 Fr.	110 cm	0.75 cc	8 mm	5 mm	25 mm	n/a
AI-07155-S	5 Fr.	6 Fr.	110 cm	0.75 cc	8 mm	5 mm	25 mm	n/a
TORQUE-DIRECTED CATHETERS								
PRODUCT NO.	FRENCH SIZE	INTRODUCER RECOM'D	RECOM'D USEFUL LENGTH	INFLATED BALLOON CAPACITY	BALLOON INFLATION DIAMETER	ELECTRODE WIDTH	ELECTRODE SPACING	MEDICATION IN KIT
AI-05210*	5 Fr.	5 Fr.	110 cm	n/a	n/a	2 mm	10 mm	n/a
AI-05210-S	5 Fr.	5 Fr.	110 cm	n/a	n/a	2 mm	10 mm	n/a
AI-05225*	5 Fr.	5 Fr.	110 cm	n/a	n/a	2 mm	25 mm	n/a
AI-06210*	6 Fr.	6 Fr.	110 cm	n/a	n/a	2 mm	10 mm	n/a
AI-06210-S	6 Fr.	6 Fr.	110 cm	n/a	n/a	2 mm	10 mm	n/a
AI-06225*	6 Fr.	6 Fr.	110 cm	n/a	n/a	2 mm	25 mm	n/a
BALLOON FLotation PACING CATHETER WITH TWO PRESSURE LUMENS								
PRODUCT NO.	FRENCH SIZE	INTRODUCER RECOM'D	RECOM'D USEFUL LENGTH	INFLATED BALLOON CAPACITY	BALLOON INFLATION DIAMETER	ELECTRODE WIDTH	ELECTRODE SPACING	MEDICATION IN KIT
AI-17210*	7 Fr.	7 Fr.	110 cm	1.5 cc	12 mm	2 mm	10 mm	n/a
AI-17210-S	7 Fr.	7 Fr.	110 cm	1.5 cc	12 mm	2 mm	10 mm	n/a

NOTE: Products with "S" or "KS" have shrouded connector pins for domestic sale.
† All catheter tips have right heart curves.
* Indicates product for export sale only.

FEATURES

- Bipolar Catheter Tips shown are easily identified by catheter color:
Torque-directed catheters – Black
Balloon flotation catheters – White
- Tuohy-Borst locking mechanism maintains catheter stability *in situ*
- Tuohy-Borst lock on distal Cath-Gard® Catheter maintains sterile sleeve stability



Enlarged view of Catheter Tips, Arrow Sheath Introducer, Tuohy-Borst locking mechanism and Cath-Gard Catheter with distal Tuohy-Borst Lock.

ARROW® BALLOON WEDGE-PRESSURE CATHETERS

SMOOTH FLEXIBLE CATHETER BODY FACILITATES INSERTION

- Arrow Catheters are designed to provide a greater degree of torque control
- Flotation control allows blood flow to carry the inflated balloon naturally through the ventricle and into the pulmonary artery
- Catheter tip position may be determined by continuous pressure monitoring

CATHETER LENGTH MARKINGS

- Each catheter has clear, easy to identify increment markings every 10 cm along catheter body to confirm insertion depth

WIDE RANGE OF SIZES AND LENGTHS ALLOW FOR MORE ACCURATE MATCHING OF PATIENT NEEDS TO CATHETER SIZES

- Arrow Wedge-Pressure Catheters are available in French sizes 4, 5, 6, 7 and 8 for a more complete selection

SINGLE AND DOUBLE LUMEN

SIMULTANEOUS PRESSURE MONITORING

- Double Pressure Lumen Balloon Wedge-Pressure Catheters in 5, 6 and 7 French sizes are available, allowing determination of pressure gradients between adjacent parts of the heart as well as identifying a variety of congenital heart defects and obstructions

WEDGE-PRESSURE CATHETER²

SINGLE PRESSURE LUMEN BALLOON WEDGE-PRESSURE CATHETERS

PRODUCT NO.	FRENCH SIZE	INTRODUCER SIZE RECOM'D	USEFUL LENGTH	BALLOON INFLATION CAPACITY ³	INFLATED BALLOON DIAMETER	MAX. WIRE RECOM'D	MAX. INJECTION FLOW RATE ⁴	MAX. INJECTION PRESSURE	CE MARK
AI-07121	4 Fr.	5 Fr.	60 cm	0.60 cc	6.5 mm	0.021 in	n/a	n/a	Yes
AI-07122	4 Fr.	5 Fr.	110 cm	0.60 cc	6.5 mm	0.021 in	n/a	n/a	Yes
AI-07123	5 Fr.	5 Fr.	60 cm	0.75 cc	8.0 mm	0.025 in	n/a	n/a	Yes
AI-07124	5 Fr.	5 Fr.	110 cm	0.75 cc	8.0 mm	0.025 in	5 cc/sec	600 p.s.i.g.	Yes
AI-07125	6 Fr.	6 Fr.	60 cm	1.00 cc	10.0 mm	0.035 in	n/a	n/a	Yes
AI-07126	6 Fr.	6 Fr.	110 cm	1.00 cc	10.0 mm	0.035 in	6 cc/sec	600 p.s.i.g.	Yes
AI-07126-J	6 Fr.	6 Fr.	90 cm	1.00 cc	10.0 mm	0.035 in	n/a	n/a	Yes
AI-07127	7 Fr.	7 Fr.	110 cm	1.25 cc	11.0 mm	0.038 in	6 cc/sec	600 p.s.i.g.	Yes
AI-07127-STC	7 Fr.	7 Fr.	110 cm	1.25 cc	11.0 mm	0.038 in	n/a	n/a	Yes
AI-07128	8 Fr.	8 Fr.	110 cm	1.25 cc	11.0 mm	0.038 in	n/a	n/a	Yes

BALLOON WEDGE-PRESSURE CATHETERS FOR BOFA CONTRALATERAL APPROACH⁵

PRODUCT NO.	FRENCH SIZE	INTRODUCER SIZE RECOM'D	USEFUL LENGTH	BALLOON INFLATION CAPACITY ³	INFLATED BALLOON DIAMETER	MAX. WIRE RECOM'D	MAX. INJECTION FLOW RATE ⁴	MAX. INJECTION PRESSURE ³	CE MARK
AI-07124	5 Fr.	5 Fr.	110 cm	0.75 cc	7.0 mm	0.025 in	5 cc/sec	600 p.s.i.g.	Yes
AI-07126	6 Fr.	6 Fr.	110 cm	1.00 cc	9.0 mm	0.035 in	6 cc/sec	600 p.s.i.g.	Yes
AI-07127	7 Fr.	7 Fr.	110 cm	1.25 cc	10.0 mm	0.038 in	6 cc/sec	600 p.s.i.g.	Yes

DOUBLE PRESSURE LUMEN BALLOON WEDGE-PRESSURE CATHETERS⁶

PRODUCT NO.	FRENCH SIZE	INTRODUCER SIZE RECOM'D	USEFUL LENGTH	BALLOON INFLATION CAPACITY ³	INFLATED BALLOON DIAMETER	MAX. WIRE RECOM'D	EXIT PORT SPACING	CE MARK
AI-07025	5 Fr.	5 Fr.	80 cm	1.00 cc	8.0 mm	0.018 in	Proximal Port exits 3 cm from tip	Yes
AI-07026	6 Fr.	6 Fr.	110 cm	1.00 cc	10.0 mm	0.021 in	Proximal Port exits 3 cm from tip	Yes
AI-07141	6 Fr.	6 Fr.	110 cm	1.00 cc	10.0 mm	0.021 in	Proximal Port exits 20 cm from tip	Yes
AI-07027	7 Fr.	7 Fr.	110 cm	1.50 cc	11.0 mm	0.025 in	Proximal Port exits 3 cm from tip	Yes
AI-07143	7 Fr.	7 Fr.	110 cm	1.50 cc	11.0 mm	0.025 in	Proximal Port exits 30 cm from tip	Yes

FEATURES

- Unique tapered construction allows the catheter to be matched to the introducer size



ARROW-BERMAN™ ANGIOGRAPHIC CATHETER

ONLY TELEFLEX CARRIES THE BERMAN CATHETER

- Available in two configurations
- Standard Berman Catheter
- Reverse Berman Catheter
- BOFA for Ipsilateral Approach

DESIGNED IN A WIDE RANGE OF FRENCH SIZES AND LENGTHS TO MEET A VARIETY OF CLINICAL NEEDS

- Available in 4, 5, 6, 7 and 8 French catheter sizes
- Selected French sizes available in lengths from 50 – 110 cm
- Clinical uses include:
 - Pulmonary angiography
 - Balloon Occlusion Femoral Angiography (BOFA)
- Color-coded injectate port
 - Standard Berman is Pink
 - Reverse Berman is Blue

SMOOTH FLEXIBLE CATHETER BODY FACILITATES INSERTION AND POSITIONING

- Arrow® PVC Catheters offer greater control and manipulation
- Flotation control allows blood flow to carry the inflated balloon naturally through the ventricle and into the pulmonary artery
- Catheter tip position may be determined by continuous pressure monitoring
- Unique tapered-tip construction ensures that the diameter of the deflated balloon does not exceed the diameter of the catheter body, facilitating percutaneous insertion by sheath matched to catheter size and reduced blood loss
- Each catheter has clear, easy to identify increment markings every 10 cm to confirm insertion depth

CATHETER DESIGN PROVIDES HIGHER FLOW AND FEWER COMPLICATIONS

- Junction hub and extension line design offers higher flow rates and injection pressures (Details provided for each product in ordering information table)
- Injectate outflow design optimizes dye distribution and minimizes risk of arrhythmias and myocardial staining by directing dye away from the myocardial wall

BERMAN AND REVERSE BERMAN CATHETERS

ARROW-BERMAN™ ANGIOGRAPHIC CATHETERS FOR BALLOON OCCLUSION FEMORAL ANGIOGRAPHY (BOFA) IPSILATERAL APPROACH

PRODUCT NO.	FRENCH SIZE	INTRODUCER SIZE RECOM'D	RECOM'D USEFUL LENGTH	BALLOON INFLATION CAPACITY	INFLATED BALLOON DIAMETER	MAX. WIRE RECOM'D	MAX. FLOW RATE*	MAX. INJECTION PRESSURE*	CE MARK
AI-07134	4 Fr.	5 Fr.	50 cm	0.60 cc	6.5 mm	0.021 in	6 cc/sec	600 p.s.i.g.	Yes
AI-07130	5 Fr.	5 or 6 Fr.	50 cm	0.75 cc	8.0 mm	0.032 in	15 cc/sec	540 p.s.i.g.	Yes
AI-07130-J	5 Fr.	5 or 6 Fr.	60 cm	0.75 cc	8.0 mm	0.032 in	13 cc/sec	540 p.s.i.g.	Yes
AI-07135	5 Fr.	5 or 6 Fr.	80 cm	0.75 cc	8.0 mm	0.032 in	12 cc/sec	540 p.s.i.g.	Yes
AI-07131	6 Fr.	6 or 7 Fr.	60 cm	1.00 cc	10.0 mm	0.035 in	20 cc/sec	650 p.s.i.g.	Yes
AI-07136	6 Fr.	6 or 7 Fr.	90 cm	1.00 cc	10.0 mm	0.035 in	18 cc/sec	650 p.s.i.g.	Yes
AI-07132	7 Fr.	7 or 8 Fr.	90 cm	1.25 cc	11.0 mm	0.038 in	24 cc/sec	700 p.s.i.g.	Yes
AI-07137	7 Fr.	7 or 8 Fr.	110 cm	1.25 cc	11.0 mm	0.038 in	24 cc/sec	600 p.s.i.g.	Yes
AI-07138	8 Fr.	8 or 9 Fr.	70 cm	1.25 cc	11.0 mm	0.038 in	42 cc/sec	750 p.s.i.g.	Yes
AI-07133	8 Fr.	8 or 9 Fr.	110 cm	1.25 cc	11.0 mm	0.038 in	35 cc/sec	800 p.s.i.g.	Yes

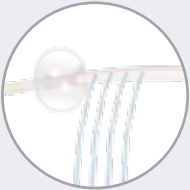
REVERSE ARROW-BERMAN CATHETER FOR SELECTIVE PULMONARY OCCLUSION ANGIOGRAPHY STUDIES

PRODUCT NO.	FRENCH SIZE	INTRODUCER SIZE RECOM'D	RECOM'D USEFUL LENGTH	BALLOON INFLATION CAPACITY	INFLATED BALLOON DIAMETER	MAX. WIRE RECOM'D	MAX. FLOW RATE*	MAX. INJECTION PRESSURE*	CE MARK
AI-07035	5 Fr.	5 or 6 Fr.	80 cm	1.25 cc	12.0 mm	0.032 in	8 cc/sec	540 p.s.i.g.	Yes
AI-07037	7 Fr.	7 or 8 Fr.	110 cm	1.50 cc	12.0 mm	0.038 in	20 cc/sec	700 p.s.i.g.	Yes

* Measured using contrast media with a viscosity of 8.4 centipoise with 2 second injection time

FEATURES

- Arrow-Berman Catheters allow injection of contrast media proximal or distal to the balloon for different techniques

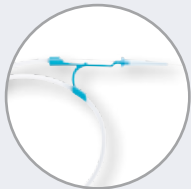


ARROW® PERCUTANEOUS SHEATH INTRODUCERS

Access to both the arterial and venous systems.

ARROW ADVANCER™ SHEATH OPTION

- Arrow Advancer Sheath allows for ease of one-handed guidewire insertion
- Guidewire sterility maintained in retaining tubing
- 0.035" or 0.021" size, depending on kit selected



OPTIMIZE VISIBILITY AT THE INSERTION SITE

- Arrow Raulerson Syringe designed to reduce blood on sterile field
- 18 Ga. x 6.25 cm (2.5") thin-walled needle
- Wide variety of sheath sets and individual sheaths



PERCUTANEOUS SHEATH INTRODUCERS

CW KITS

PRODUCT NO.	SHEATH SIZE	SHEATH LENGTH	COLOR-CODED HUB	SETS PER CASE
CW-08403*	4 Fr.	7.5 cm	Pink	10
CW-08503*	5 Fr.	7.5 cm	Gray	10
CW-08503-A	5 Fr.	11 cm	Gray	10
CW-08603	6 Fr.	11 cm	Green	10
CW-08703	7 Fr.	11 cm	Orange	10
CW-08803	8 Fr.	11 cm	Blue	10
CW-08903	9 Fr.	11 cm	Black	10

CP KITS

PRODUCT NO.	SHEATH SIZE	SHEATH LENGTH	COLOR-CODED HUB	SETS PER CASE
CP-08403*	4 Fr.	7.5 cm	Pink	10
CP-08503*	5 Fr.	7.5 cm	Gray	10
CP-08503-A	5 Fr.	11 cm	Gray	10
CP-08603-P*	6 Fr.	7.5 cm	Green	10
CP-08603	6 Fr.	11 cm	Green	10
CP-08703	7 Fr.	11 cm	Orange	10
CP-08803	8 Fr.	11 cm	Blue	10
CP-08903	9 Fr.	11 cm	Black	10

CL KITS

PRODUCT NO.	SHEATH SIZE	SHEATH LENGTH	COLOR-CODED HUB	SETS PER CASE
CL-08403*	4 Fr.	7.5 cm	Pink	10
CL-08403-A	4 Fr.	11 cm	Pink	10
CL-08503*	5 Fr.	7.5 cm	Gray	10
CL-08503-A	5 Fr.	11 cm	Gray	10
CL-08603	6 Fr.	11 cm	Green	10
CL-08703	7 Fr.	11 cm	Orange	10
CL-08803	8 Fr.	11 cm	Blue	10
CL-08903	9 Fr.	11 cm	Black	10

EACH KIT CONTAINS

- One Arrow® Radiopaque Polyurethane Sheath with Integral Side
- One Port/Hemostasis Valve and attached 3-Way Stopcock
- One Arrow Raulerson Syringe
- One Vessel Dilator with SnapLock™ Catheter feature
- One 17-3/4" (45 cm) long dual purpose spring wire guide (straight soft tip on one end, "J" tip on the other end) with Arrow Advancer™ Sheath
- *Wire guide diameter in Pediatric set is 0.021"; all others are 0.035"
- One: 18 Ga. x 2-1/2" T.W. Needle

EACH KIT CONTAINS

- One Arrow Radiopaque Polyurethane Sheath with Integral Side
- OnePort/Hemostasis Valve and attached 3-Way Stopcock
- One Vessel Dilator with SnapLock Catheter feature
- One 17-3/4" (45 cm) long dual purpose spring-wire guide (straight soft tip on one end, "J" tip on the other end)
- *Wire guide diameter in Pediatric set is 0.021"; all others are 0.035"

EACH KIT CONTAINS

- One Arrow Radiopaque Polyurethane Sheath with Integral Side Port/Hemostasis Valve and attached 3-Way Stopcock
- One Vessel Dilator with SnapLock Catheter feature
- Standard (11 cm) Introducer Sets include:
 - Sheath with 11 cm (4-3/8") usable length
 - Dilator which accepts 0.035" to 0.038" guidewires
 - Sheath with hydrophilic coating on 1" of tip
 - Dilator with 5 cm exposed length when snap-locked into sheath
- * Short (7.5 cm) Introducer Sets include:
 - Sheath with 7.5 cm (2-15/16") usable length
 - Dilator which accepts 0.021" to 0.025" guide wires
 - Sheath with hydrophilic coating on 1" of tip
 - Dilator with 3 cm exposed length when snap-locked into sheath

REFERENCES

1. Radiopaque marker just in front of proximal port provides convenient point for catheter port location.
2. Black IFS. Floating a Catheter into the Pulmonary Artery in Transportation of Great Arteries. *Am Heart J.* 1972;84:761-763.
3. CO₂ must be used to inflate the balloon if there is a possibility that the balloon rupture would result in air embolism in the left heart or systemic circulation. See Instructions For Use prior to using air. Do not use any liquid to inflate balloon.
4. Measured using contrast media with a viscosity of 8.4 cP/mPas at 37° C (at body temperature).
5. Cardella, JF, Smith, TP, Darcy, MD, Hunter, DW, Castaneda-Zunigo, W, Amplatz, K. Balloon occlusion femoral angiography prior to *in situ* saphenous vein bypass. *Cardiovascular and Interventional Radiology.* (1987) 10: 181 – 187.
6. Zeevi B, et al. A Newly-Designed Double Pressure Balloon Catheter: Clinical Use in Congenital Heart Disease. *Journal of Invasive Cardiology.* 1989;1:3.

CAUTION: Federal (USA) law restricts these devices to sale by or on the order of a physician. See package inserts for full prescribing information.

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