

# AF SOLUTIONS PRODUCT CATALOGUE EUROPE

2019



Arctic Front Advance™  
Cardiac Cryoablation Catheter



PVAC™ GOLD  
Pulmonary Vein Ablation Catheter



CardioInsight™  
Mapping Vest



**Medtronic**  
Further, Together

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Arctic Front Advance™  
Cardiac Cryoablation Catheter

### ARCTIC FRONT ADVANCE™

Cardiac Cryoablation Catheter  
10.5 Fr, 23 mm & 28 mm Balloon Diameter

### FLEXCATH ADVANCE™

Steerable Sheath  
12 Fr

59.1 p.d.

### ACHIEVE™ & ACHIEVE ADVANCE™

Mapping Catheter  
15 mm, 20 mm & 25 mm Loop Size

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

2AF233	Arctic Front Advance 23 mm
2AF283	Arctic Front Advance 28 mm

#### Catheter Specifications

##### SIZE

Inflated Balloon Diameter 23 mm or 28 mm

Catheter Size  
Outer Diameter 10.5 Fr

Total Length 140 cm

Useable Length 95 ± 2 cm

Distal Tip Length 13.5 mm

##### COMPATIBILITY

Recommended  
Introducer Sheath FlexCath Advance 12 Fr

Guidewire Compatibility 0.032"-0.035"

##### DEFLECTION

Deflection Bidirectional 45°

##### MATERIAL

Tip and Shaft Biocompatible copolymer (Pebax™) with barium sulfate blend (BaSO4)

Outer Balloon Polyurethane

### INDICATIONS FOR USE

- Treatment of Atrial Fibrillation (AF)

### BENEFITS\*

- Single shot Cryo technology
- Proven efficacy and safety outcomes
- Reproducible outcomes
- Shorter and more consistent procedure times compared to point-by-point RF ablation

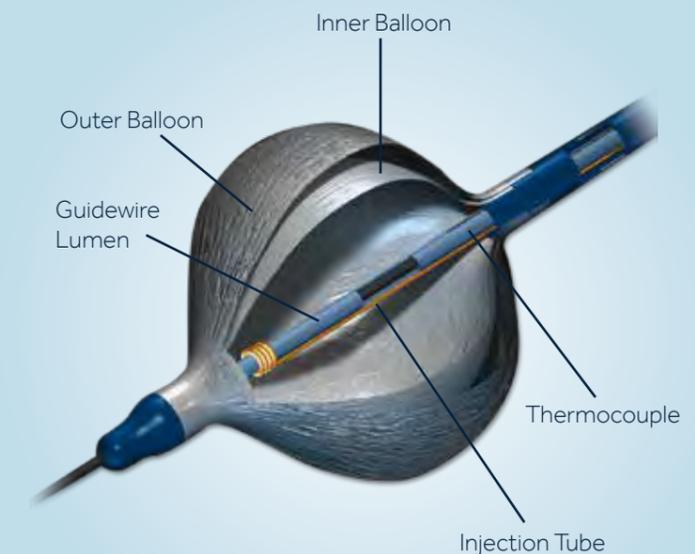
### FEATURES

- 2 shaft and 2 radiopaque marker rings to confirm the position of the balloon relative to the FlexCath sheath and patient anatomy
- EvenCool™ Cryo Technology optimizes the delivery of coolant inside the balloon
- A dual balloon structure optimizes safety in the unlikely event that one balloon is compromised

\*Refer to the full bibliography.



Arctic Front Advance™  
Cardiac Cryoablation Catheter



Arctic Front Advance™  
Cardiac Cryoablation Catheter

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

59.1 p.d.

4FC12

FlexCath Advance 12 Fr

#### Sheath Specifications

##### SIZE

Sheath Inner Diameter 12 Fr

Sheath Outer Diameter 15 Fr

Overall Length 81 cm

Useable Length 65 cm

##### COMPATIBILITY

Catheter Compatibility Up to 10.5 Fr

Guidewire Compatibility 0.032"-0.035"

##### DEFLECTION AND REACH

Maximum Deflection Unidirectional 135°

Reach 5.5 cm at 90°

##### MATERIAL

Shaft Biocompatible copolymer (Pebax™) with barium sulfate blend (BaSO4)

##### DILATOR

Overall Length 87 cm

Material Biocompatible low-density polyethylene (LDPE) with barium sulfate blend (BaSO4)

### INDICATIONS FOR USE

- Percutaneous catheter introduction into the vasculature and into the chambers of the heart

### BENEFITS

- Specifically designed and tested for use with Arctic Front Advance™ Cryoballoon

### FEATURES

- Hemostasis valve to prevent air ingress and minimize blood loss
- Radiopaque marker band to visually confirm the position of the Cryoballoon within the sheath
- Unidirectional deflection of 135° to improve maneuverability



FlexCath Advance™  
Steerable Sheath

59.2 p.d. Spiralinis diagnostinis elektrodas krioabliacijos komplektui

### PRODUCT SPECIFICATIONS

#### Ordering Information

LOOP SIZE	ACHIEVE™	ACHIEVE™ ADVANCE™
15mm	990063-015	2ACH15
20mm	990063-020	2ACH20
25mm		2ACH25
Connecting cable		2ACHC

#### Catheter Specifications

##### SIZE

Catheter Shaft Size 3.3 Fr, 1.1 mm (0.043")

Total Length 165 cm

Usable Length 146 cm

##### LOOP

Loop Size 15 mm 20 mm 25 mm

Number of Electrodes 8 8 10

Electrode Length 1 mm 1 mm 1 mm

Electrode Spacing 4 mm 6 mm 6 mm

##### COMPATIBILITY

Compatible Device Minimum Internal Diameter (ID) of 3.4 Fr, 1.12 mm (0.044")

#### Cable Specifications

##### SIZE

Length 196 cm

### INDICATIONS FOR USE

- Multiple electrode EP mapping of cardiac structure

### BENEFITS

- Allows for signal recording pre-, peri- and post-Cryo ablation to assess PVI
- Can be used for cardiac stimulation
- Allows single transeptal puncture and reduction/elimination of catheter exchanges

### FEATURES

- Circular loop for mapping electrical conduction between LA and PV
- Nitinol circular loop to accommodate various PV anatomies
- Can be used during cardioversion†

†inka įvesti per kriobalioninį kateterį, 8-10 kontaktai

## NEW



Achieve Advance™  
Mapping Catheter

# FREEZOR™ FAMILY CATHETERS

## FOCAL CRYOABLATION CATHETERS

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

207F1	Freezor 1	Short/Red
207F3	Freezor 3	Medium/Blue
207F5	Freezor 5	Long/Orange
217F1	Freezor Xtra 1	Short/Red
217F3	Freezor Xtra 3	Medium/Blue
217F5	Freezor Xtra 5	Long/Orange
209F3	Freezor MAX 3	Medium/Blue
209F5	Freezor MAX 5	Long/Orange

59.3 p.d. Valdomas elektrodas taškinei krioabliacijai

### INDICATIONS FOR USE

- Treatment of cardiac arrhythmias

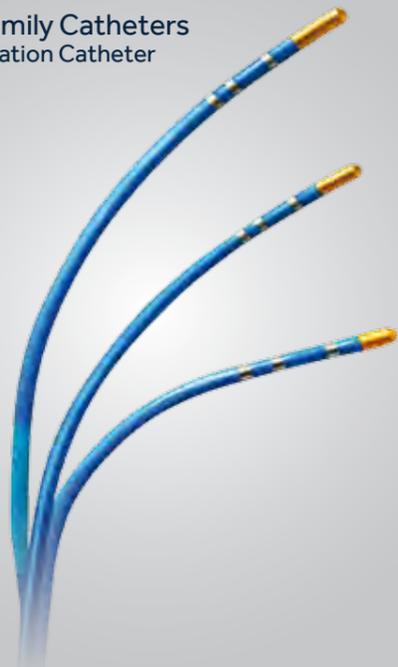
### BENEFITS

- Hypothermic site testing to confirm the target ablation site
- Unique catheter stability due to Cryoadhesion resulting in precise lesion creation
- Minimized incidence of thrombus formation
- Minimized risk of damage to cardiac structures
- Minimized patient discomfort

### FEATURES

- Allow for 4-pole EGM recording
- Thermocouple integrated in the tip for temperature monitoring
- Various combinations of diameters, tip sizes, and reaches for flexibility to ablate target cardiac arrhythmias (incl. AVNRT, Accessory Pathways, AFL, AF, AT and VT)

Freezor™ Family Catheters  
Focal Cryoablation Catheter



# FREEZOR™

## CARDIAC CRYOABLATION CATHETER

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

207F1	Freezor 1	Short/Red
207F3	Freezor 3	Medium/Blue
207F5	Freezor 5	Long/Orange

#### Catheter Specifications

##### SIZE

Tip Length	4 mm
Electrode Spacing	2-5-2
Catheter Diameter	7 Fr
Shaft Length	108 cm

##### COMPATIBILITY

Recommended Compatible Introducer	8 Fr
-----------------------------------	------

##### CURVE REACH

207F1	47 mm
207F3	53 mm
207F5	58 mm

### INDICATIONS FOR USE

- Most commonly used in Pediatrics

### FEATURES

- Temperature-controlled in CryoMapping mode
- Flow-controlled in Cryoablation mode
- Operating flow: 2.0 – 2.1 L/min

Freezor™  
Cardiac Cryoablation Catheter



# FREEZOR™ XTRA

## CARDIAC CRYOABLATION CATHETER

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

217F1	Freezor Xtra 1	Short/Red
217F3	Freezor Xtra 3	Medium/Blue
217F5	Freezor Xtra 5	Long/Orange

#### Catheter Specifications

##### SIZE

Tip Length	6 mm
Electrode Spacing	2-5-2
Catheter Diameter	7 Fr
Shaft Length	108 cm

##### COMPATIBILITY

Recommended Compatible Introducer	8 Fr
-----------------------------------	------

##### CURVE REACH

217F1	49 mm
217F3	55 mm
217F5	60 mm

### MOST COMMONLY USED FOR SVTs:

- AVNRT
- Accessory Pathways
- Ectopic AT

### FEATURES

- CryoMapping mode - reduce the risk of undesired cardiac damage
- Flow-controlled in CryoAblation mode
- Operating flow: 2.5 – 2.7 L/min

Freezor™ Xtra  
Cardiac Cryoablation Catheter



# FREEZOR™ MAX

## CARDIAC CRYOABLATION CATHETER

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

209F3	Freezor MAX 3	Medium/Blue
209F5	Freezor MAX 5	Long/Orange

#### Catheter Specifications

##### SIZE

Tip Length	8 mm
Electrode Spacing	3-5-2
Catheter Diameter	9 Fr
Shaft Length	90 cm

##### COMPATIBILITY

Recommended Compatible Introducer	10 Fr
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##### CURVE REACH

209F3	55 mm
209F5	66 mm

### USED WHEN LARGER LESIONS ARE REQUIRED, MAINLY FOR:

- AFI
- RVOT
- VT
- AF

### FEATURES

- Flow-controlled
- Operating flow: 3.5 – 3.6 L/min

Freezor™ MAX  
Cardiac Cryoablation Catheter



## PRODUCT SPECIFICATIONS

### Ordering Information

ORDER NUMBER	
106E2	CryoConsole Gen V RoHS configured for use with the Arctic Front Advance and Freezor Family catheters

### Console Specifications

SIZE	
Height (Max)	157 cm (62")
Height (Min)	126 cm (52")
Depth	59 cm (23")
Width	55 cm (22")
Weight	131 kg (without nitrous oxide tank)

### OTHER SPECIFICATIONS

Operation Temperature and Humidity Limitations	15 °C to 30 °C at altitudes less than 2400 meters above sea level at humidity between 30% and 75%
Refrigerant Specifications	Liquefied N <sub>2</sub> O 99.5% purity with humidity level < 50 ppm

## INDICATIONS FOR USE

- Management of the delivery, recovery, and disposal of N<sub>2</sub>O during cryoablation procedures

## BENEFITS

- Advanced technology for efficient operation
- Flexible and ergonomic
- Intuitive operation

## FEATURES

- Ergonomic design
- Height-adjustable monitor
- Touch-screen interface

59.1 ir 59.3 p.d



60 p.d. N<sub>2</sub>O dujos abliacijos kriokonsolei

CryoConsole  
Cardiac Cryoablation System

## Ordering Information

ORDER NUMBER	STERILE ACCESSORIES
203CX	Coaxial Umbilical (each)
203CXC	Coaxial Umbilical (case of 12)
2035U	Electrical Umbilical (each)
2035UC	Electrical Umbilical (case of 12)
20MRK	Manual Retraction Kit
ORDER NUMBER	NON-STERILE ACCESSORIES
2037A	Auto Connection Box
2035W	ECG Cable - Used with Freezor Family Only
1035C	Scavenging Hose Yellow - 6.0 m
1035D	Scavenging Hose Yellow - 7.5 m
1035E	Scavenging Hose Yellow - 9.0 m
1035F	Scavenging Hose Yellow - 12.0 m
1035G	Scavenging Hose Purple - 12.0 m (7.5 mm)
1035H	Scavenging Hose Purple - 12.0 m (5.5 mm)
1038E	Power Cord CE - 2.5 m
1038U	Power Cord UK
1038Y	Power Cord Italy
1036W	Wrench 28.6 mm for CryoConsole
103NE	N <sub>2</sub> O Refrigerant
113NE	Empty Tank for N <sub>2</sub> O Refrigerant
AFAKITU	Cryoballoon Procedure Kit (case of 6)

## COAXIAL UMBILICAL

- Refrigerant transport to the catheter and vapor recovery to the CryoConsole

## ELECTRICAL UMBILICAL

- Electrical connection between catheter and CryoConsole

## AUTO CONNECTION BOX

- Electrical interface to the catheter

## ECG CABLE

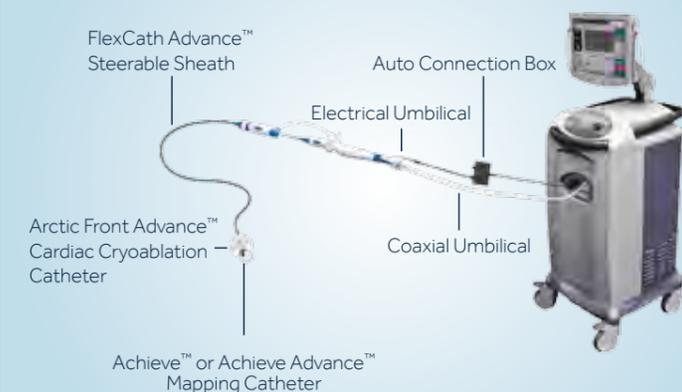
- Interface between focal cryoablation catheter and standard EP system

## SCAVENGING HOSE

- Connecting CryoConsole to the hospital gas-scavenging system

## CRYO PROCEDURE KIT

- Sterile kit consisting of commonly used components needed to set up a Cryo AF ablation procedure





PVAC™ GOLD  
Pulmonary Vein Ablation Catheter™

## PVAC™ GOLD

Multi-electrode ablation catheter  
Ablation, mapping, and pacing through all or selected bipolar pairs

## GENIUS™ WITH CONTACT IQ

Multi-Channel RF Generator



GENIUS™  
Multi-Channel RF Generator  
with Contact IQ

# PVAC™ GOLD

## PULMONARY VEIN ABLATION CATHETER

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

990078	PVAC™ GOLD
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#### Catheter Specifications

##### SIZE

Catheter Size	9 Fr
Total Length	145 cm ± 5 cm
Usable Length	105 cm ± 5 cm
Number of Electrodes	9
Electrode Size	3 mm
Electrode Spacing	3.75 mm
Spiral Diameter	25 mm
Forward Tilt	20°

##### COMPATIBILITY

Recommended Introducer Sheath	9.5 Fr or greater inner diameter transseptal sheath
Guidewire Compatibility	0.032" outer diameter, 200 cm length with 3 mm J tip

##### DEFLECTION AND REACH

Deflection (Maximum)	Bidirectional 180°
Reach	40 mm at 90°

##### MATERIAL

Electrode	100% Gold
Shaft	Braided Pebax™

### INDICATIONS FOR USE

- Treatment of symptomatic AF

### BENEFITS\*

- Control in energy delivery
- Confidence in safe ablation
- Convenience with procedural efficiency
- Consistent predictable outcomes
- Short learning curve
- Single operator system

### FEATURES

- Allows mapping, ablating and PVI validation with single catheter
- Over-the-wire stability
- Duty-cycling allows sufficient electrode cooling and accurate temperature measurement
- Phasing - controlled deep and contiguous lesion creation
- Uniform contact and stable positioning

\*Refer to the full bibliography.



PVAC™ GOLD  
Pulmonary Vein Ablation Catheter

# FLEXCATH™ SELECT

## STEERABLE SHEATH

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

990065	FlexCath™ Select Steerable Sheath
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#### Sheath Specifications

##### SIZE

Sheath Inner Diameter	10 Fr
Sheath Outer Diameter	13 Fr
Overall Length	81 cm
Usable Length	65cm

##### COMPATIBILITY

Catheter Compatibility	Medtronic Freezor Family of catheters and devices and Medtronic PVAC™ GOLD catheter
Guidewire Compatibility	0.032"-0.035"
Transseptal Needle	89 cm and 98 cm Merit™ HeartSpan® Transseptal Needle

##### DEFLECTION AND REACH

Maximum Deflection	135° with PVAC™ GOLD deployed
Reach	5.5 cm at 90°

##### MATERIAL

Shaft	Biocompatible copolymer (Pebax®) with Barium sulfate blend (BaSO4)
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##### DILATOR

Shape	Pre-curved, included in package
Overall Length	86 cm
Material	Hytrel, silicone coated

### INDICATIONS FOR USE

- Percutaneous catheter introduction into the vasculature and chambers of the heart, including the left side of the heart through the interatrial septum

### BENEFITS

- One sheath for both transseptal puncture and catheter placement

### FEATURES

- SureValve™ technology
- Radiopaque marker band to visually confirm the position of the PVAC™ GOLD within the sheath
- Unidirectional deflection of 135° with PVAC™ GOLD and GW inserted



FlexCath™ Select  
Steerable Sheath

# GREATBATCH STEERABLE SHEATH

## STEERABLE SHEATH

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

10876-002	Greatbatch Steerable Sheath
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#### Catheter Specifications

##### SIZE

Catheter Size	9 Fr
Total Length	86 cm
Useable Length	67 cm
Sheath Inner Diameter	9.6 Fr
Sheath Outer Diameter	12.6 Fr

##### DEFLECTION AND REACH

Deflection (Maximum)	180°
Reach	3.81 cm at 180°

### INDICATIONS FOR USE

- Placement of interventional devices into the peripheral and coronary system

### FEATURES

- Single pull-wire steerable platform
- Articulating sheath tip for improved access to difficult-to-reach or tortuous anatomy
- Ergonomic, single-handed operator slide handle with integrated locking mechanism
- Customizable tip, eliminating need for multiple exchanges
- Integrated valve to reduce air embolism and blood loss

# ARRIVE™

## FIXED CURVE BRAIDED TRANSSEPTAL SHEATH

### PRODUCT SPECIFICATIONS

#### Ordering Information

ORDER NUMBER	990061 (61cm)	990079 (79cm)
55 Degree	990061-055	990079-055
70 Degree	990061-070	990079-070
90 Degree	990061-090	990079-090
120 Degree	990061-120	990079-120

#### Sheath Specifications

ORDER NUMBER	990061	990079
Sheath Size	10 Fr	10 Fr
Total Length	63 cm	81 cm
Useable Length	61 cm	79 cm
Curve Profile	55°, 70°, 90° and 120°	55°, 70°, 90° and 120°
Distal Tip Length	3.5 mm	3.5mm

#### Dilator Specifications

ORDER NUMBER	990061	990079
Total Length	68 cm	86 cm
Usable Length	66 cm	84 cm

#### Compatibility

ORDER NUMBER	990061	990079
Guidewire Compatibility	0.032" (0.035" max)	0.032" (0.035" max)
Transseptal Needle Compatibility	71 cm	89 cm

### INDICATIONS FOR USE

- Percutaneous introduction of various types of cardiovascular catheters to all heart chambers, including LA via TSP

### BENEFITS

- One sheath for both TSP and catheter placement

### FEATURES

- Hemostasis valve
- Atraumatic tip reduces collateral tissue damage
- Radiopaque marker
- Braided shaft provides 1:1 torque response



Arrive™  
Fixed Curve Braided Transseptal Sheath

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

990045	Guidewire PV Tracker
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#### Guidewire Specifications

##### SIZE

Length	200 cm (79")
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Diameter	0.8 mm (0.032")
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##### MATERIAL

Material	Stainless steel
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Coating	Polytetrafluoroethylene (PTFE)
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### INDICATIONS FOR USE

- Placement of devices during diagnostic and interventional procedures

### BENEFITS

- Provides over-the-wire stability during PVAC™ GOLD procedure

### FEATURES

- The dispenser tube fitted with a luer hub to facilitate flushing of GW prior to use
- The "J" tip configuration on the distal end of GW packaged with a "J" straightener to aid in the GW insertion

### PRODUCT SPECIFICATIONS

#### Ordering Information

##### ORDER NUMBER

990018	GENius™ with ContactIQ generator
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#### Generator Specifications

##### SIZE

Physical Dimensions (H x W x L)	24.13 cm x 44.4 cm x 43.4 cm (9.5" x 17.5" x 17.1")
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Weight	17.6 kg (38 lbs)
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Input Voltage	120 VAC, 60 Hz / 220-240 VAC, 50 Hz
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#### Accessories

##### ORDER NUMBER

990029	GENius™ Jr. remote control
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990041	4.6 m (15 ft) remote control cable
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990042	7.6 m (25 ft) remote control cable
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990028	ECG interface box
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990004	Catheter interface cable
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990020	ECG interface box cable
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990027	ECG 12-lead amplifier cable
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990023	Power Cord: Continental Europe
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E7506	ValleyLab patient return electrodes (2 required)
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### INDICATIONS FOR USE

- Delivery of temperature controlled RF energy to user-selectable electrodes on PVAC™ GOLD catheter

### BENEFITS

- Controlled energy delivery
- Controlled lesions creation

### FEATURES

- Precise temperature & power management
- Electrode contact recognition
- RF energy mode selections: bipolar, unipolar, and combination ratios
- Integrated color monitor display



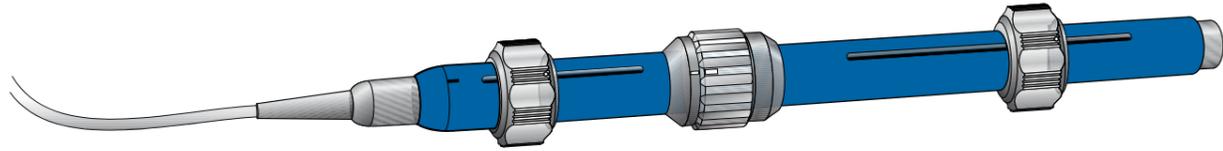
GENius™  
Multi-Channel RF Generator  
with Contact IQ

# CONVENTIONAL EP PORTFOLIO

# ABLATION CATHETERS WITH THERMOCOUPLE TEMPERATURE CONTROL

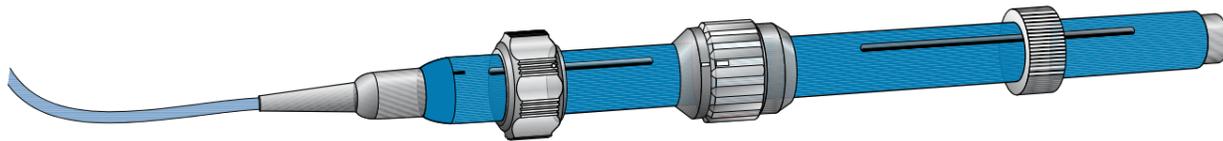
## RF CONTACTR™

Dual-Curve  
7 French Catheter Shaft



## RF CONDUCTR™ MC

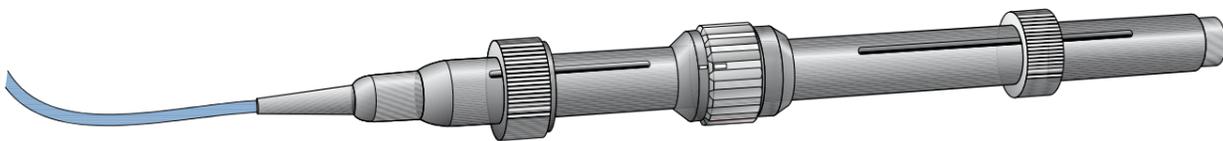
Bi-Directional Multi-Curve  
7 French Catheter Shaft



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## RF MARINR™ MC

Multi-Curve  
7 French Catheter Shaft



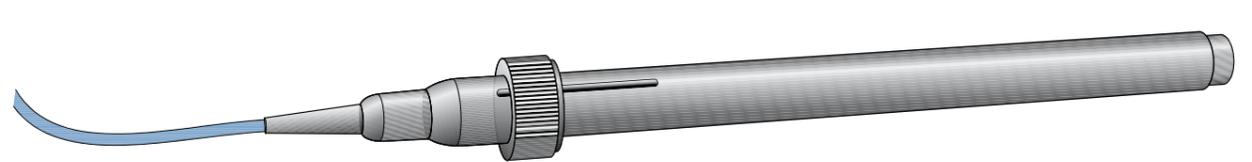
## RF ENHANCER™ II

Single-Curve  
7 French Catheter Shaft



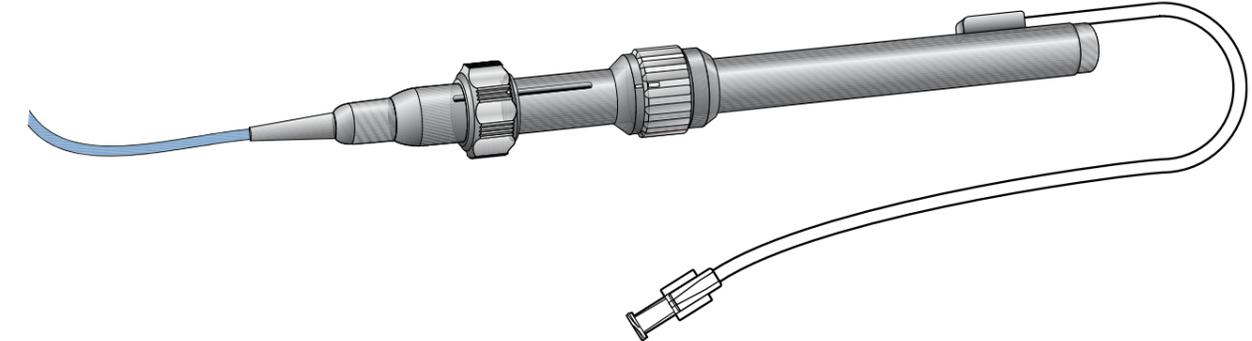
## RF MARINR™ 5 Fr

Single-Curve  
5 French Catheter Shaft



## SPRINKLR™

Single-Curve  
Irrigated Tip  
7 French Catheter Shaft



# RF CONTACTR™

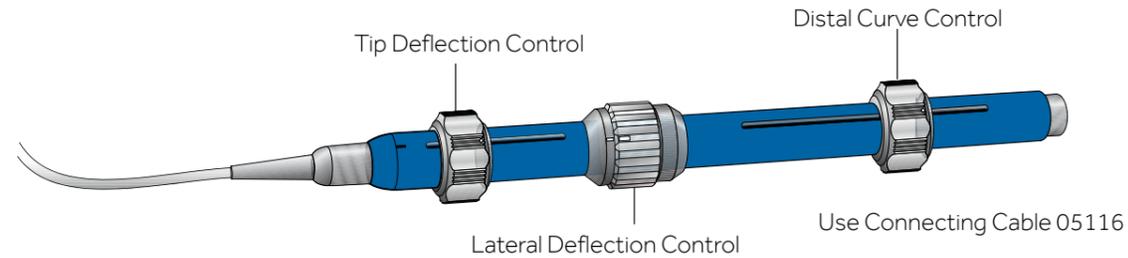
## DUAL-CURVE ABLATION CATHETERS

For right AFI procedures

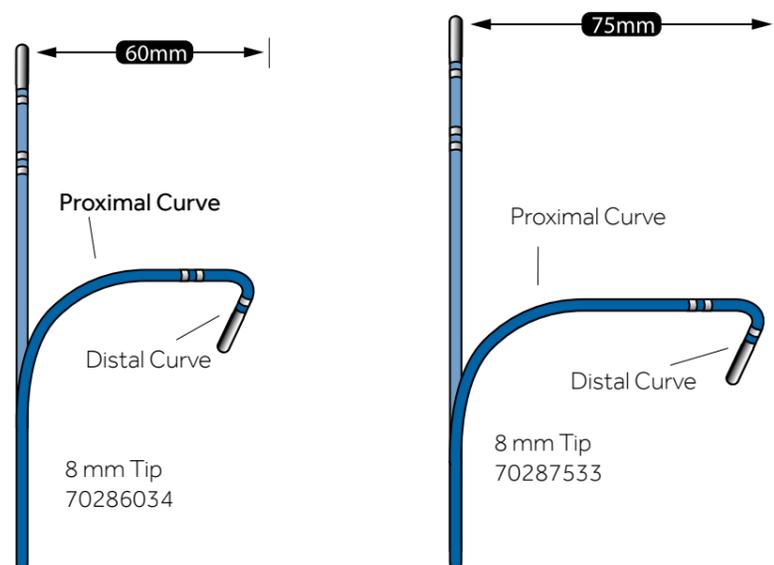
### PRODUCT SPECIFICATIONS

ORDER NUMBER	70286034	70287533
Shaft Size (Fr)	7	7
Curve Reach at 90° (mm)	60	75
Shaft Stiffness	Medium	Medium
Tip Stiffness	Firm	Medium
Distal Electrode	8	8
No. of Electrodes	4	4
Electrode Spacing (mm)	2/15/2	2/15/2
Usable Length (cm)	110	110

### HANDLE CONTROLS



### CURVE REACH AT 90°



# RF CONDUCTR™ MC

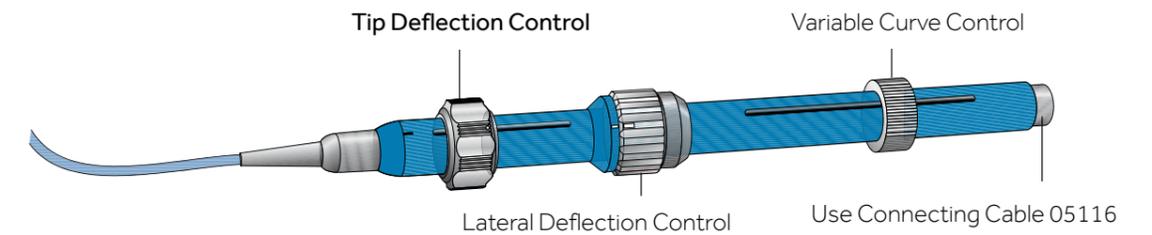
## BI-DIRECTIONAL MULTI-CURVE ABLATION CATHETERS

Anatomically optimized bidirectional ablation catheter with multi-curve technology

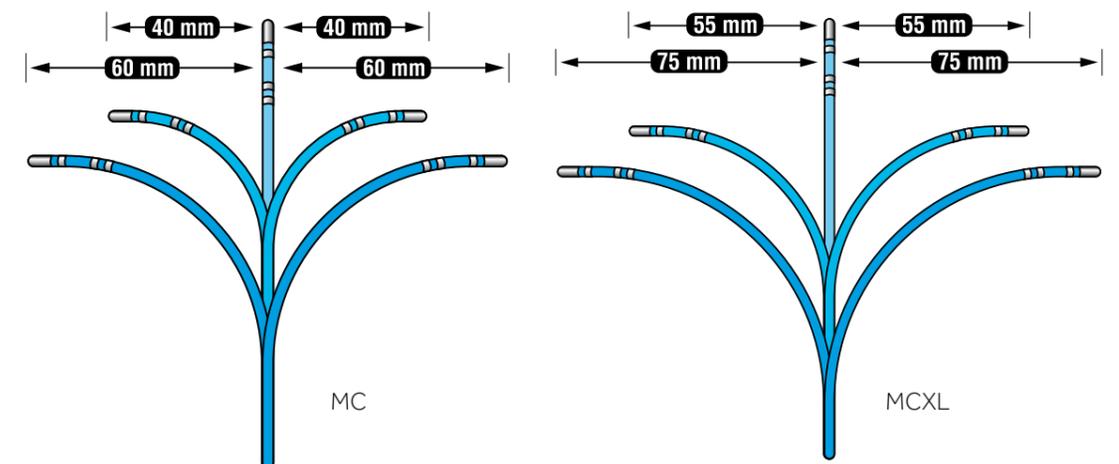
### PRODUCT SPECIFICATIONS

ORDER NUMBER	0786042	0786044	0787533	0787544	07886042	07886044	07887544	07887533
Shaft Size (Fr)	7	7	7	7	7	7	7	7
Curve Reach at 90° (mm)	40-60, MC	40-60, MC	55-75, MCXL	55-75, MCXL	40-60, MC	40-60, MC	55-75, MCXL	55-75, MCXL
Shaft Stiffness	Firm	Firm	Medium	Firm	Firm	Firm	Firm	Medium
Tip Stiffness	Soft	Firm	Medium	Firm	Soft	Firm	Firm	Medium
Distal Electrode (mm)	4	4	4	4	8	8	8	8
No. of Electrodes	4	4	4	4	4	4	4	4
Electrode Spacing (mm)	2/5/2	2/5/2	2/5/2	2/5/2	2/5/2	2/5/2	2/5/2	2/5/2
Usable Length (cm)	110	110	110	110	110	110	110	110

### HANDLE CONTROLS



### CURVE REACH AT 90°



# RF MARINR™ MC

## MULTI-CURVE ABLATION CATHETERS

For hard-to-access anatomical locations with its patented lateral deflection and multi-curve capabilities

### PRODUCT SPECIFICATIONS

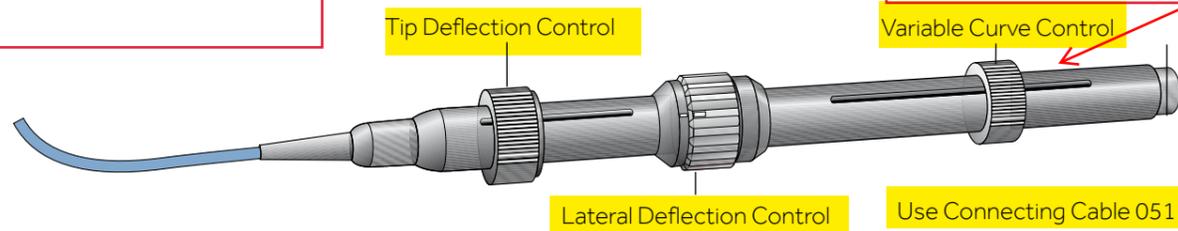
ORDER NUMBER	075302	075312	075402	075405	075802*
Diameter 7F					
Shaft Size (Fr)	7	7	7	7	7
Curve Reach at 90° (mm)	40-60, MC	45-70, MC Flex	55-75, MCXL	55-75, MCXL	40-60, MC
Distal Electrode (mm)	4	4	4	4	4
No. of Electrodes	4	4	4	4	4
Electrode Spacing (mm)	2/5/2	2/5/2	2/5/2	5/5/5	2/2/250
Usable Length (cm)	110	112	110	110	110

### HANDLE CONTROLS

Elektrodai gerai perduoda sukamąjį judesį (torque control)

valdomi su termopora.

Elektrodo linkis valdomas proksimalinėje rankenėlyje stumdomy žiedu kurio valdymas nepasikeičia pasukus elektroda

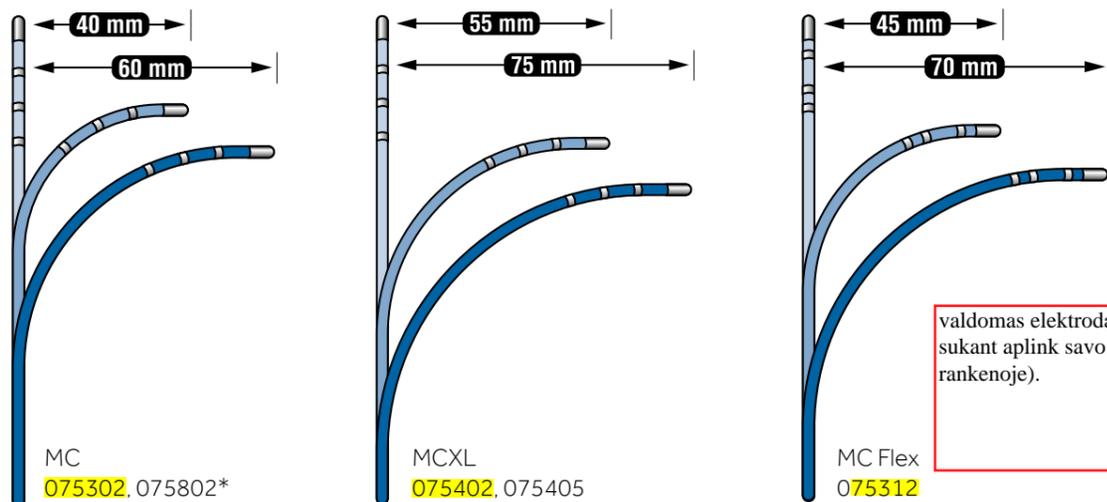


Use Connecting Cable 05116

Use Connecting Cable 05116

Komplektuojami su kabeliu, tinkamu prijungimui prie IBI-1500T/Stockert generatoriaus.

### CURVE REACH AT 90°



valdomas elektroda lankstant ir sukant aplink savo ašį (valdymas rankenoje).

\* RF Marinr MC Unipolar "Self Reference" has 250 mm spacing between proximal electrode pair.

# RF ENHANCER™ II

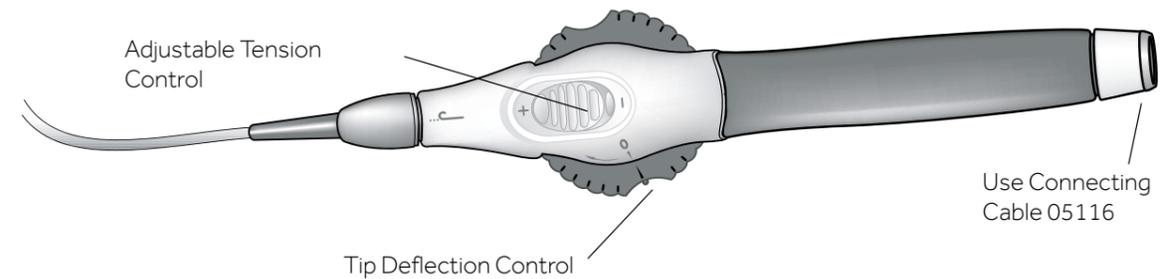
## SINGLE-CURVE ABLATION CATHETERS

Intuitive, comfortable, and stable for your everyday SVT procedures

### PRODUCT SPECIFICATIONS

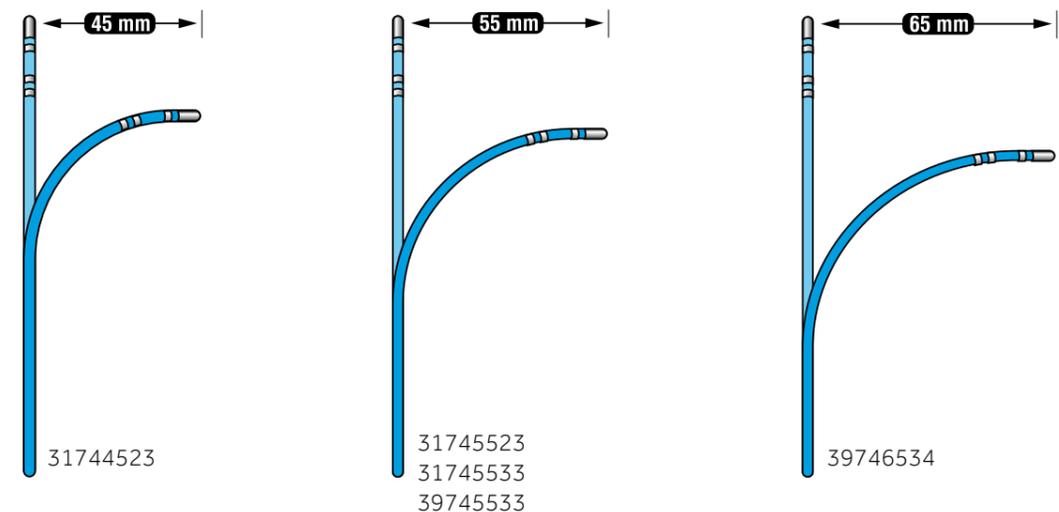
ORDER NUMBER	31744523	31745523	31745533	39745533	39746534
Shaft Size (Fr)	7	7	7	7	7
Curve Reach at 90° (mm)	45	55	55	55	65
Shaft Stiffness	Soft	Soft	Medium	Medium	Medium
Tip Stiffness	Medium	Medium	Medium	Medium	Firm
Distal Electrode (mm)	4	4	4	4	4
No. of Electrodes	4	4	4	4	4
Electrode Spacing (mm)	2/5/2	2/5/2	2/5/2	2/5/2	2/5/2
Usable Length (cm)	110	110	110	90	90

### HANDLE CONTROLS



Use Connecting Cable 05116

### CURVE REACH AT 90°



# RF MARINR™ 5 FR

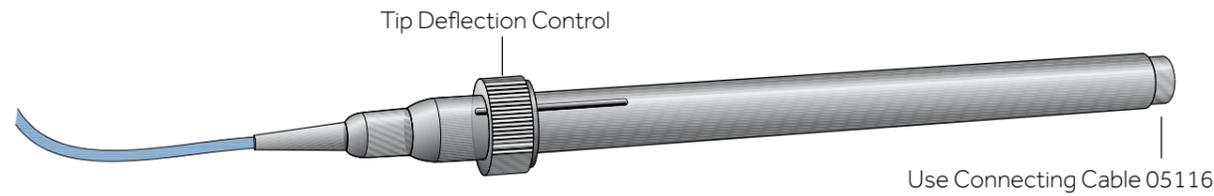
## SINGLE-CURVE ABLATION CATHETERS

For small vasculatures, pediatric ablations and challenging spaces

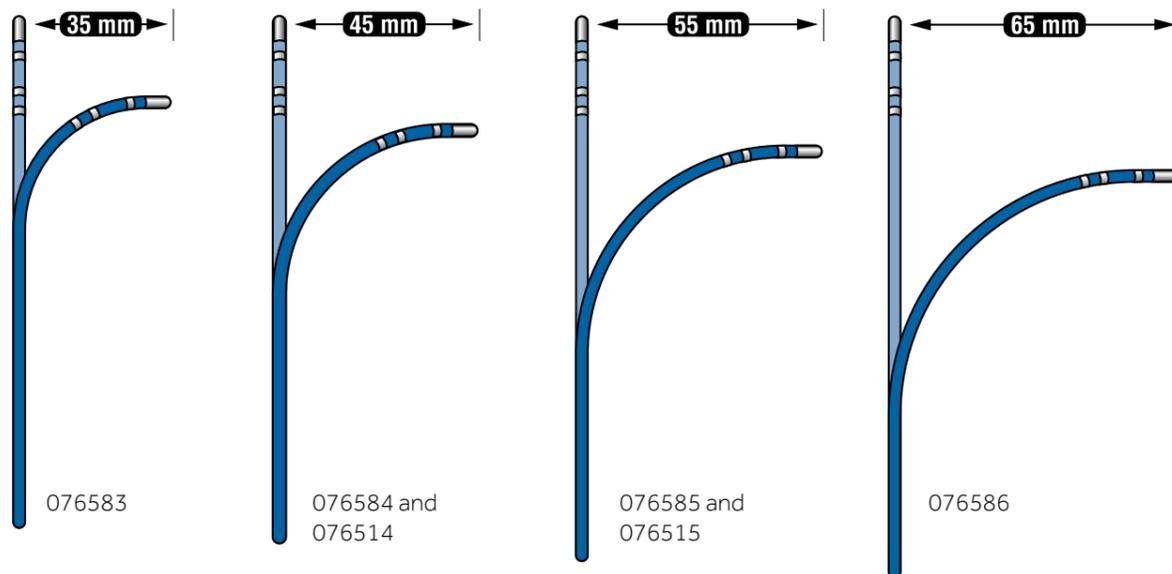
### PRODUCT SPECIFICATIONS

ORDER NUMBER	076583	076584	076585	076586	076514	076515
Shaft Size (Fr)	5	5	5	5	5	5
Curve Reach at 90° (mm)	35	45	55	65	45	55
Distal Electrode (mm)	4	4	4	4	4	4
No. of Electrodes	4	4	4	4	4	4
Electrode Spacing (mm)	2/5/2	2/5/2	2/5/2	2/5/2	2/5/2	2/5/2
Usable Length (cm)	80	80	80	80	110	110

### HANDLE CONTROLS



### CURVE REACH AT 90°



# SPRINKLR™

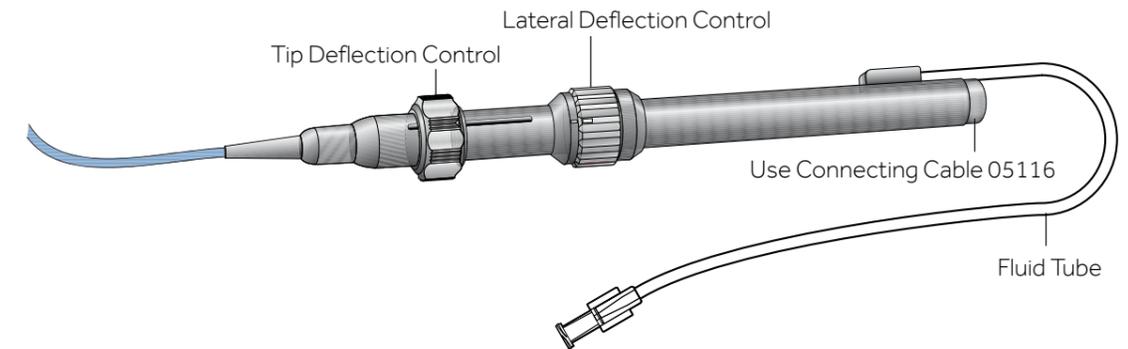
## SINGLE-CURVE, IRRIGATED TIP ABLATION CATHETERS

Delivers RF energy with your preferred power settings and the added benefits of irrigation

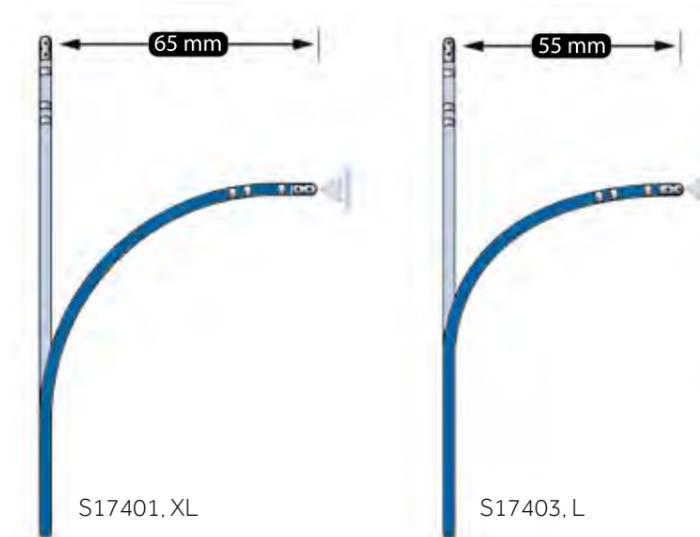
### PRODUCT SPECIFICATIONS

ORDER NUMBER	S17401	S17403
Shaft Size (Fr)	7	7
Curve Reach at 90° (mm)	65, XL	55, L
Distal Electrode (mm)	4	4
No. of Electrodes	4	4
Electrode Spacing (mm)	2/5/2	2/5/2
Usable Length (cm)	110	110

### HANDLE CONTROLS



### CURVE REACH AT 90°



# ABLATION CONNECTING CABLES

ATAKR™ FAMILY OF RF ABLATION CONNECTING CABLES

# RF ABLATION GENERATOR

ATAKR™ PLUS RF ABLATION SYSTEM

## PRODUCT SPECIFICATIONS

ORDER NUMBER	05116	05106S	05106E25
Description	RF Generator to RF Catheter Cable – Sterile	RF Generator to RF Catheter Cable – Sterile	RF Catheter Extension Cable – Non-sterile
Colour	Teal	Teal	Teal
Length	366 cm	183 cm	762 cm
No. of Pins	10	10	10

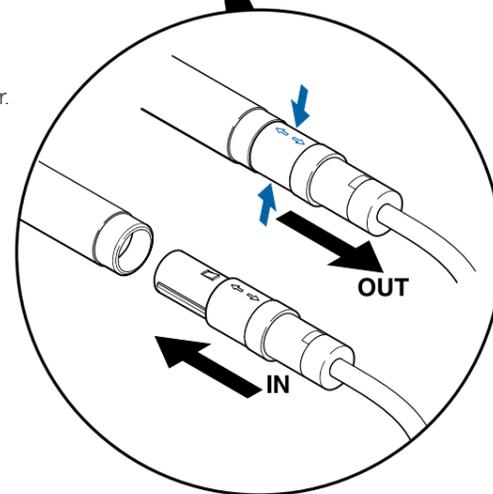


### TO CONNECT:

Line up arrows on cable with slot inside the catheter connector.

### TO DISCONNECT:

Pull ring back to release lock, then remove connector.



## PRODUCT SPECIFICATIONS

Power Output	1-100 W +/- 7% or 1 W, whichever is greater @ 100 Ω
Impedance Range	40-300 Ω
Operating Tip Temperature	40-80 °C
Operating Frequency	462 kHz +/- 5% @ 100 Ω
Power Supply	100-240 VAC, 50/60 Hz
Dimensions	35 x 28 x 19 cm
Weight	5.9 kg

## ORDER NUMBER SYSTEM INCLUDES

990064	RF Power Generator 100 W (1) Foot Switch (1) RF Catheter Cable, 12 ft (3.66 m), non-sterile (1) EGM Cable, 8 ft (2.44 m), non-sterile (1) Power Cord (1)
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# ACCESSORIES

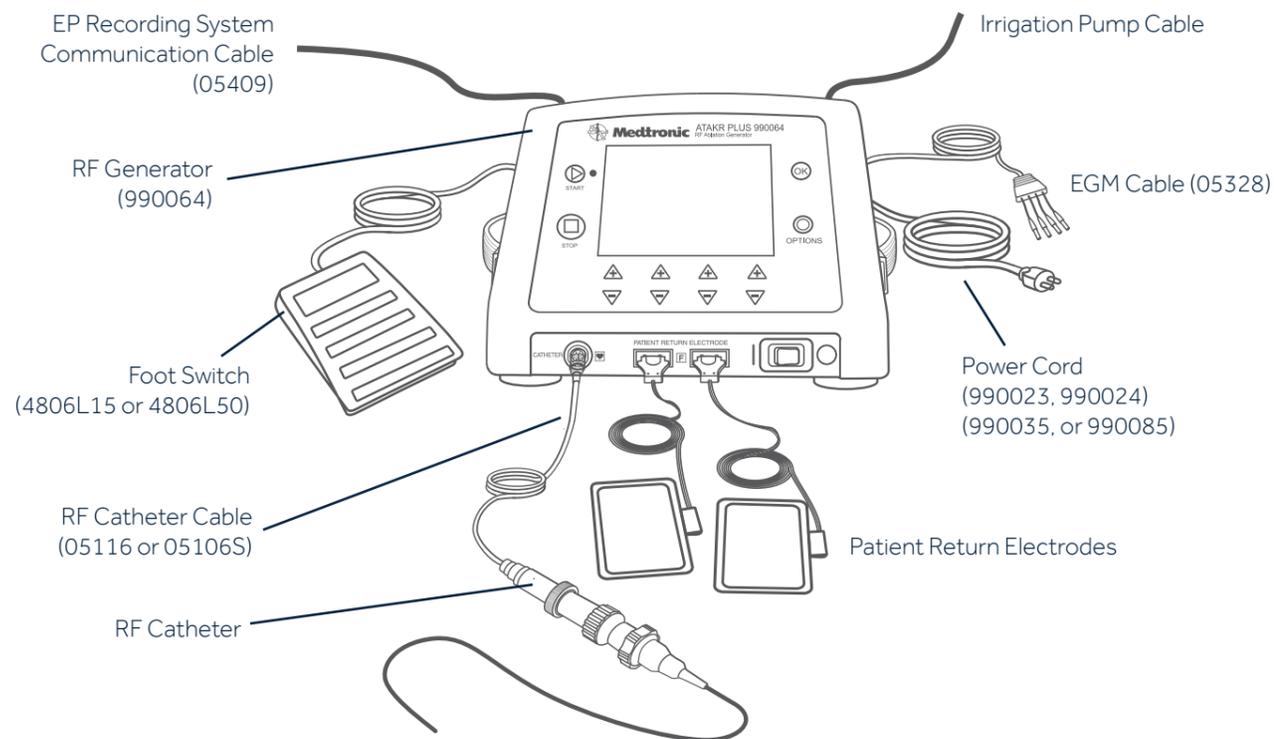
## ATAKR™ PLUS ACCESSORIES AND CABLE CONNECTION DIAGRAM

# DIAGNOSTIC CATHETERS

## FIXED-CURVE

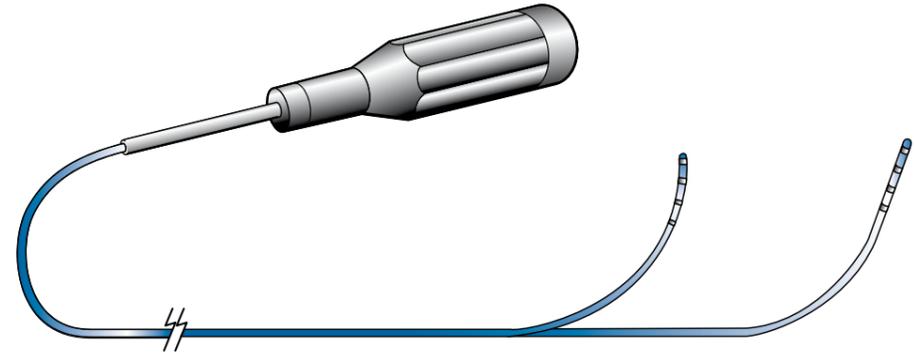
### PRODUCT SPECIFICATIONS

ORDER NUMBER	DESCRIPTION
05116	RF Catheter Cable, sterile, 3,66 m (12 ft) - Atakr to RF Catheter
05106S	RF Catheter Cable, Sterile, 1,83 m (6 ft) - Atakr to RF Catheter
05106E25	RF Catheter Extension Cable, non-sterile, 7,62 m (25 ft)
05328	EGM Cable, non-sterile, 2,44 m (8 ft), 4 shrouded pins
05308E25	EGM Extension Cable, non-sterile, 7,62 m (25 ft)
05409	Computer Cable, non-sterile, RS232, for EP Recording System and/or irrigation pump control
4806L15	Foot Switch, Remote Control, non-sterile, 4,57 m (15 ft)
4806L50	Foot Switch, Remote Control, non-sterile, 15,24 m (50 ft)
04821	Medtronic Ablation Catheter Adaptor (RF Cable to BW Stockert)
4825	RF Catheter Adapter Cable (RF Cable to IBI)
E7506	ValleyLab Patient Return Electrode, 2,7 m (9 ft)
990023	Power Cord: Continental Europe



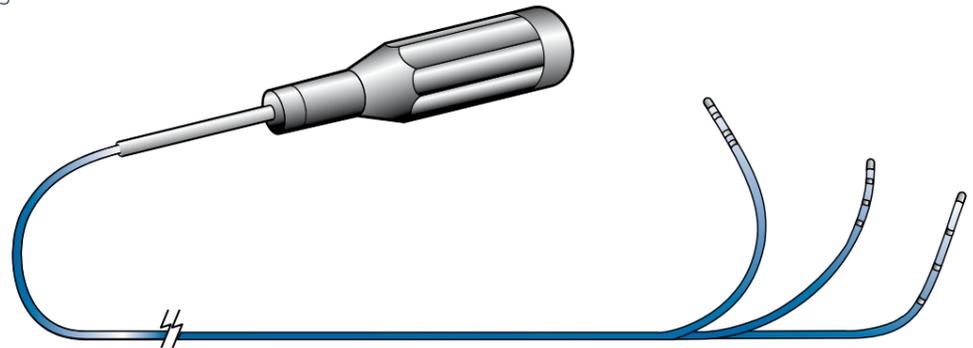
### SOLOIST™

Quadripolar  
Multi-lumen shaft design  
6 French



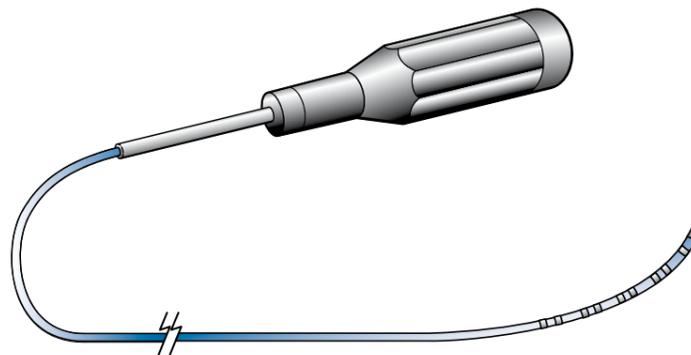
### TORQR™

Quadripolar  
Braided shaft design  
5 and 6 French



### TORQR™ CS

Decapolar  
5 French



# DIAGNOSTIC CATHETERS

## STEERABLE

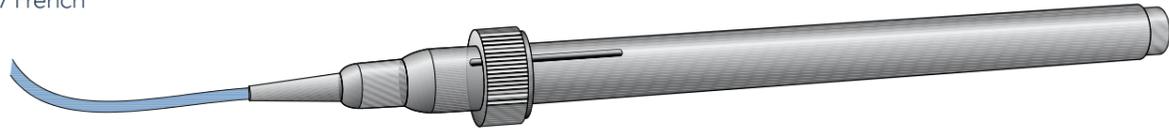
# SOLOIST™

## FIXED-CURVE DIAGNOSTIC CATHETER

Record and pace from HRA, HIS or RVA

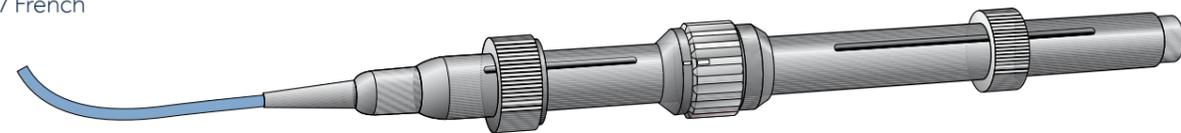
### MARINR™ SC XXL

Single-Curve  
Quadripolar  
7 French



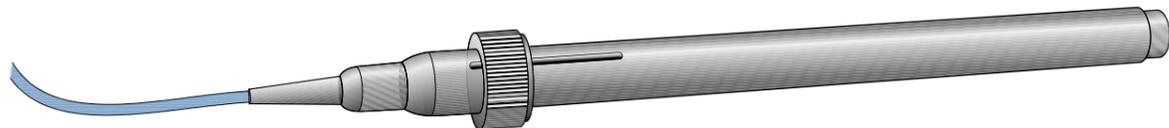
### MARINR™ MC and MCXL

Multi-Curve  
Quadripolar  
7 French



### MARINR™ CS

Decapolar  
7 French



### STABLEMAPR™ SM

Duodecapolar  
7 French



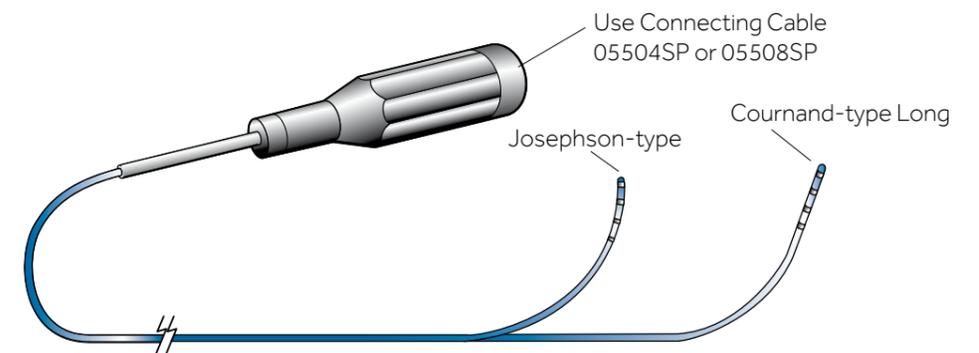
### PRODUCT SPECIFICATIONS

#### Quadripolar

ORDER NUMBER	SHAFT SIZE (Fr)	CURVE TYPE	ELECTRODE SPACING (mm)	NO. OF ELECTRODES	USABLE LENGTH (cm)
44216J	6	Josephson-type	2/5/2	4	110
44216JF	6	Josephson-type Flex	2/5/2	4	110
44516J	6	Josephson-type	5/5/5	4	110
441016JF	6	Josephson-type Flex	10/10/10	4	110
44216U	6	Cournand-type Long	2/5/2	4	110
44516U	6	Cournand-type Long	5/5/5	4	110
441016U	6	Cournand-type Long	10/10/10	4	110

#### Bipolar

ORDER NUMBER	SHAFT SIZE (Fr)	CURVE TYPE	ELECTRODE SPACING (mm)	NO. OF ELECTRODES	USABLE LENGTH (cm)
448142J	6	Josephson-type	10	2	110
448142CL	6	Cournand-type Long	10	2	110



# TORQR™

## FIXED-CURVE BRAIDED DIAGNOSTIC CATHETERS

Record and pace from HRA, HIS or RVA with 1:1 torque response

54 poz. TORQR™ modeliai: 04122JM; 04125JM; 04122UM; 04125UM; 04120DS; 041002JM. Diametras 5/6 F, ilgis 110cm., 4 kontaktai, atstumas tarp elektrodų 2-5 mm, tarp porų 5-10 mm, įvairios kreivės formos – Damato, Courmand, CRD-2, His.

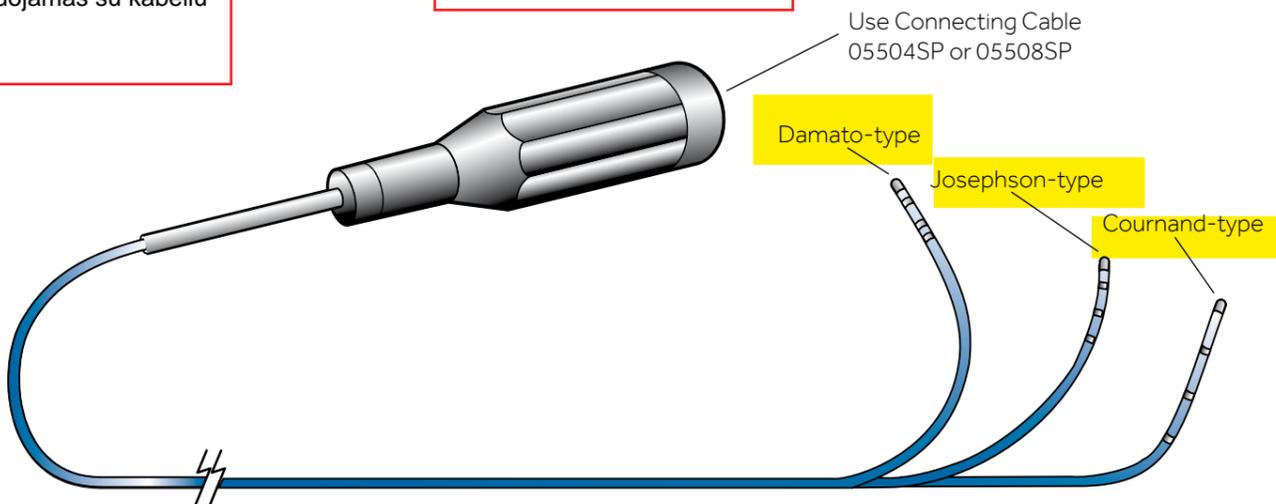
### PRODUCT SPECIFICATIONS

ORDER NUMBER	04122JM	04125JM	04122UM	04125UM	04120DS	041002JM
Shaft Size (Fr)	5	5	5	5	5	6
Curve Type	Josephson-type	Josephson-type	Cournand-type	Cournand-type	Damato-type	Josephson-type
Electrode Spacing (mm)	2/5/2	5/5/5	2/5/2	5/5/5	2/2/2	2/5/2
No. of Electrodes	4	4	4	4	4	4
Usable Length (cm)	110	110	110	110	80	110

ORDER NUMBER	041005JM	041002UM	041005UM	041005DM	041010JM	041010UM
Shaft Size (Fr)	6	6	6	6	6	6
Curve Reach at 90° (mm)	Josephson-type	Cournand-type	Cournand-type	Damato-type	Josephson-type	Cournand-type
Electrode Spacing (mm)	5/5/5	2/5/2	5/5/5	5/5/5	10/10/10	10/10/10
No. of Electrodes	4	4	4	4	4	4
Usable Length (cm)	110	110	110	110	110	110

51 poz. Diametras 6 F, ilgis 110cm., 4 kontaktai, atstumas tarp elektrodų 2-5 mm, tarp porų 5-10 mm. Kompletuojamas su kabeliu

54 poz. Kompletuojamas su kabeliu, tinkamu prijungimui prie IBI-1500T/Stockert generatoriaus.



# TORQR™ CS

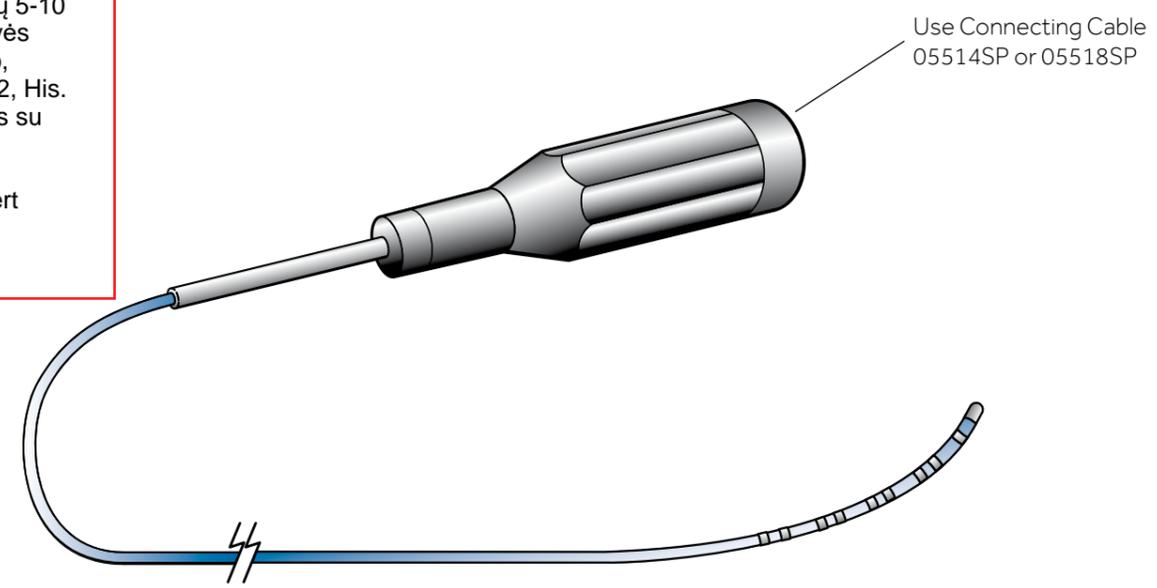
## FIXED-CURVE BRAIDED DIAGNOSTIC CATHETERS

For accessing the CS via the subclavian or jugular approach

### PRODUCT SPECIFICATIONS

ORDER NUMBER	041565CS	041865CS	041590CS
Shaft Size (Fr)	5	5	5
Curve Type	Coronary Sinus	Coronary Sinus	Coronary Sinus
Electrode Spacing (mm)	2/5/2	2/8/2	2/5/2
No. of Electrodes	10	10	10
Usable Length (cm)	65	65	90

55 poz. Diametras 6 F, ilgis 110 cm., 4 kontaktai, atstumas tarp elektrodų 2-5 mm, tarp porų 5-10 mm, įvairios kreivės formos – Damato, Courmand, CRD-2, His. Kompletuojamas su kabeliu, tinkamu prijungimui prie IBI-1500T/Stockert generatoriaus.



# MARINR™ SC XXL

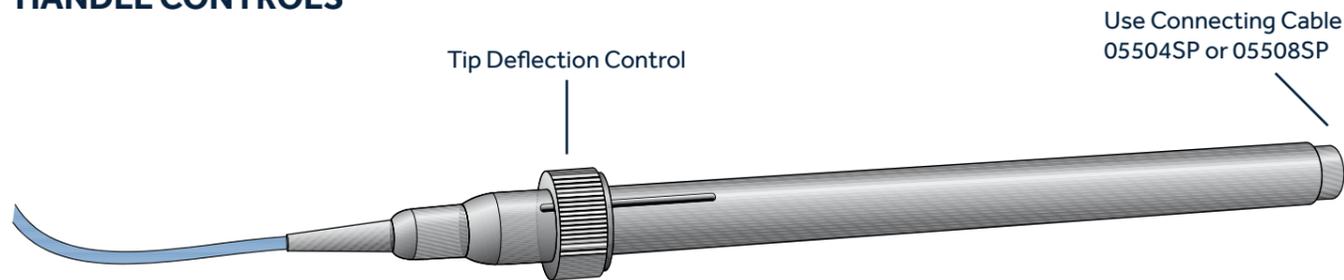
## STEERABLE QUADRIPOLEAR SINGLE-CURVE MAPPING CATHETER

Economical single-curve catheter for conventional mapping

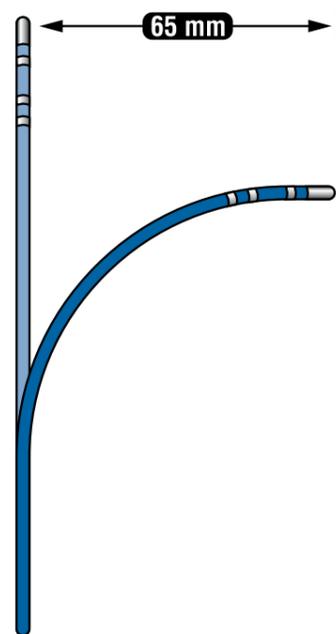
### PRODUCT SPECIFICATIONS

ORDER NUMBER	072322M
Shaft Size (Fr)	7
Curve Type	65, XXL
No. of Electrodes	4
Electrode Spacing (mm)	2/5/2
Usable Length (cm)	90

### HANDLE CONTROLS



### CURVE REACH AT 90°



# MARINR™ MC & MCXL

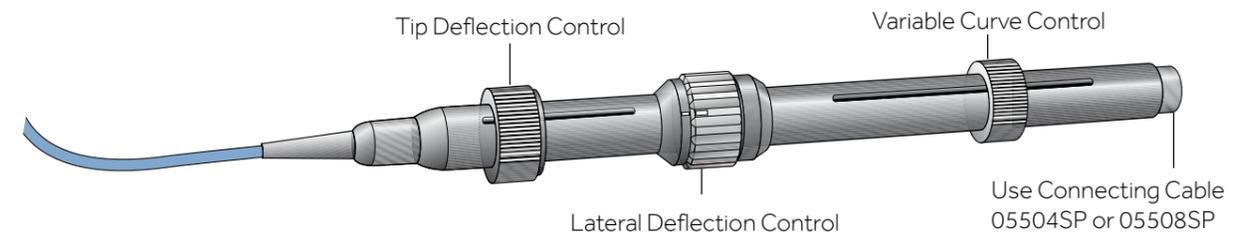
## STEERABLE MULTI-CURVE MAPPING CATHETERS

Designed to map hard-to-access anatomical location with its patented lateral deflection and multi-curve capabilities

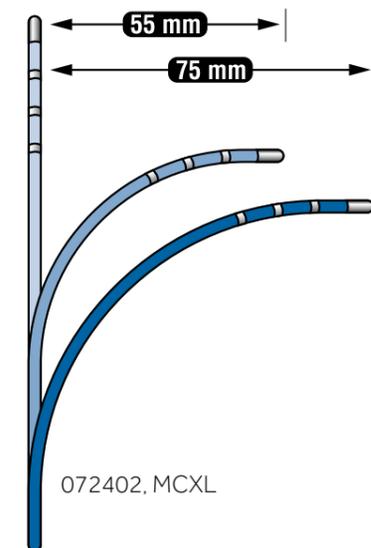
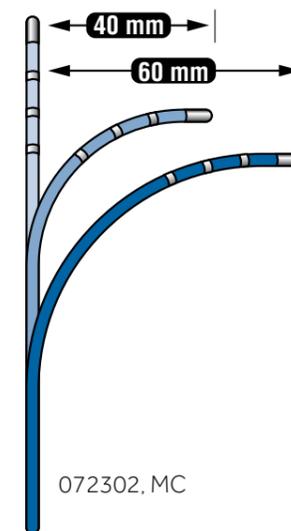
### PRODUCT SPECIFICATIONS

ORDER NUMBER	072302	072402
Shaft Size (Fr)	7	7
Curve Reach at 90° (mm)	40-60, MC	55-75, MCXL
Distal Electrode (mm)	4	4
No. of Electrodes	4	4
Electrode Spacing (mm)	2/5/2	2/5/2
Usable Length (cm)	110	110

### HANDLE CONTROLS



### CURVE REACH AT 90°



# MARINR™ CS

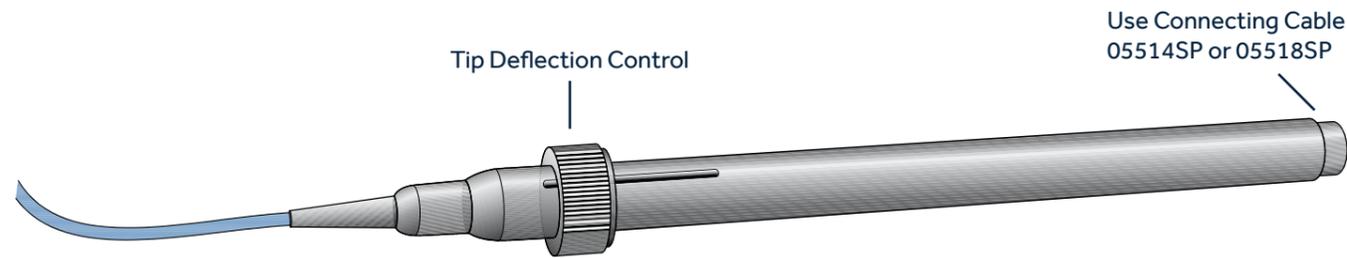
## STEERABLE MULTI-CURVE MAPPING CATHETERS

For accessing the CS via a femoral approach

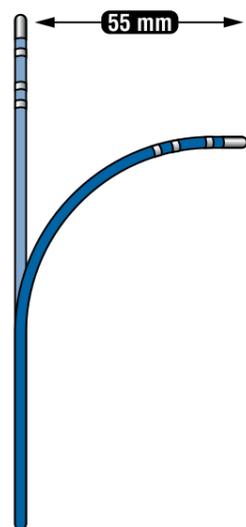
### PRODUCT SPECIFICATIONS

ORDER NUMBER	043302M	043325M	043328M
Shaft Size (Fr)	7	7	7
Curve Reach at 90° (mm)	55	55	55
Distal Electrode (mm)	2	2	2
No. of Electrodes	10	10	10
Electrode Spacing (mm)	2/2/2	2/5/2	2/8/2
Usable Length (cm)	90	90	90

### HANDLE CONTROLS



### CURVE REACH AT 90°



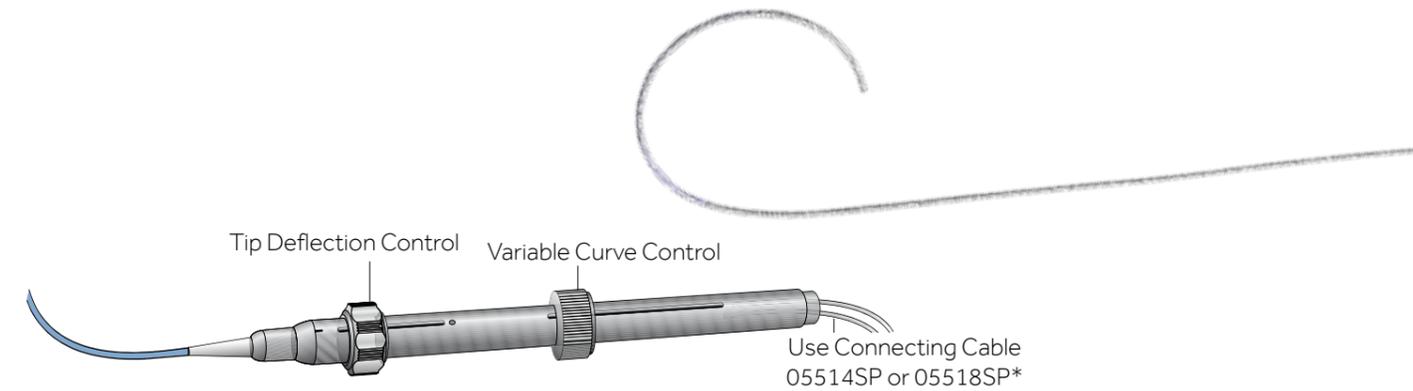
# STABLEMAPR™ SM

## STEERABLE DUODECAPOLAR MAPPING CATHETERS

For assessing bidirectional block and mapping the atrial roof, the septal wall and the tricuspid valve

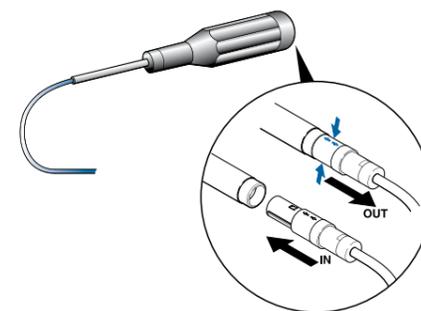
### PRODUCT SPECIFICATIONS

ORDER NUMBER	04401SM	04402SM
Shaft Size (Fr)	7	7
Tip Stiffness	Firm	Soft
Electrode Spacing (mm)	2/10/2	2/10/2
No. of Electrodes	20	20
Usable Length (cm)	110	110



### Diagnostic Connecting Cables

ORDER NUMBER	05504SP	05508SP	05514SP	05518SP	4819
Description	Sterile, Shrouded Pins	Sterile, Shrouded Pins	Sterile, Shrouded Pins	Sterile, Shrouded Pins	Ablation Catheter to EP Recording System, Shrouded Pins
Colour	Yellow	Yellow	Blue	Blue	Gray
Length	122 cm	244 cm	122 cm	244 cm	183 cm
Pins	4	4	10	10	4

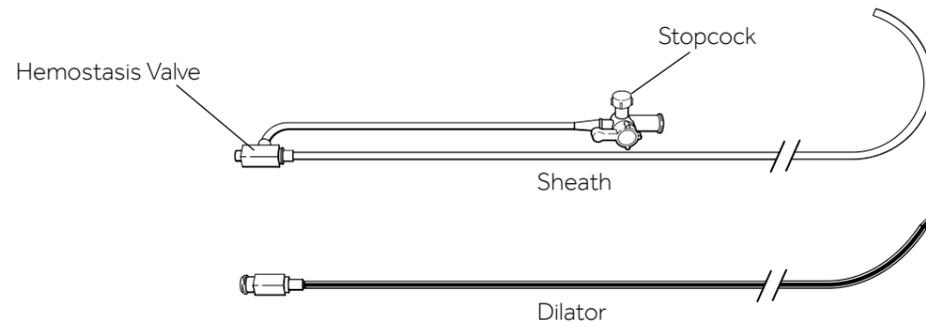


# TRANSSEPTAL INTRODUCTION PRODUCTS AND ACCESSORIES

## PRODUCT SPECIFICATIONS

### MULLINS™ TRANSSEPTAL SHEATH

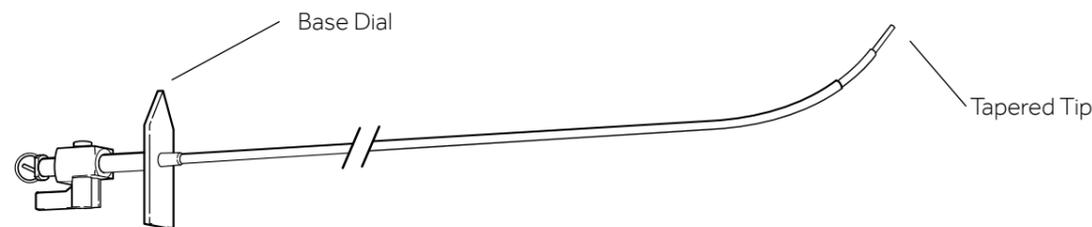
Sterile transseptal introducer sheath/dilator to serve as a conduit for the needle and electrophysiology catheters



ORDER NUMBER	EP008591	008552*	008532*	008530*
Size	Adult 8 Fr with hemostasis valve	Adult 8 Fr	Pediatric 8 Fr	Pediatric 6 Fr
Sheath Length (cm)	59	59	44	44
Dilator Length (cm)	67	67	52	52
Wire Size Max (in)	0.032	0.032	0.025	0.025

### BROCKENBROUGH™ TRANSSEPTAL NEEDLE

Curved stainless steel needle used to make the transseptal puncture and supplied sterile



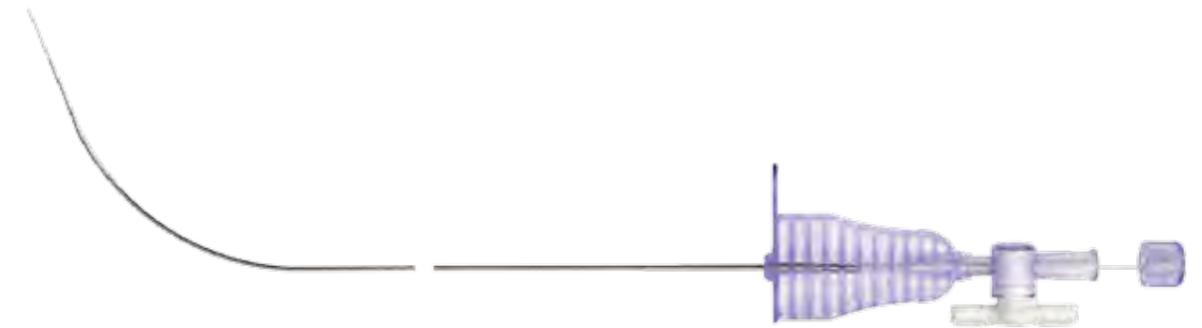
ORDER NUMBER	EP003994S	EP003997S
Size	Adult – 18 gauge shaft, 21 gauge tip	Pediatric – 19 gauge shaft, 22 gauge tip
Needle Length (cm)	71	56

\* Contact your local Medtronic Representative for more information.

## PRODUCT SPECIFICATIONS

### MERIT™ HEARTSPAN TRANSSEPTAL NEEDLE

Responsive needle backed up with enhanced stiffness



ORDER NUMBER	LENGTH (CM)	CURVE ANGLE	TIP GAUGE
FND-019-00	56	50°	22
FND-019-01	71	50°	21
FND-019-02	71	86°	21
FND-019-03	89	50°	21
FND-019-04	89	86°	21
FND-019-05	98	50°	21
FND-019-06	98	86°	21



CardiInsight™ Mapping Vest

### CARDIOINSIGHT™ WORKSTATION

Acquisition, analysis, display and storage of cardiac data and maps for analysis by a physician

### CARDIOINSIGHT™ MAPPING VEST

Multi-Electrode Mapping Vest



CardiInsight™ Workstation



CardiInsight™ Mapping Vest



Monitor

252-channel Amplifier

Workstation Computer

Isolation Transformer

Workstation

# CARDIOINSIGHT™ WORKSTATION

## PRODUCT SPECIFICATIONS

### Ordering Information

#### ORDER NUMBER

CIT200	CardioInsight™ Workstation
--------	----------------------------

### Workstation Specifications

#### SIZE

Height	MIN: 1,300 mm (51.18") MAX: 1,461 mm (57.52")
Depth	MIN: 664 mm (26.14") MAX: 862 mm (33.94")
Width	MIN: 615 mm (24.21") MAX: 696 mm (27.40")
Weight	102 kg (225 lbs)

#### OTHER SPECS

Power Input Parameters-System	100/120/220/240 V
Power Input Parameters-Amplifier	100 - 240 V
Temperature And Humidity Limitations	15 °C to 30 °C (59 °F to 86 °F) Humidity 20%-80%

### Workstation Non-Sterile Components

#### DESCRIPTION

Amplifier	Data Cable (3', 10', 25', 50', 75', 100')
Workstation Computer	Patient Ground and Reference Cables
Workstation Monitor	Isolation Transformer
Workstation Cart	Display Cables
Signal Cables (Right, Left, Back right, Back left)	Power Cables

## INDICATIONS FOR USE

- Gathering, analysis, display and storage of cardiac EP data and maps for analysis by a physician

## BENEFITS

- Non-invasive arrhythmia assessment
- Simultaneous multi-chamber mapping
- Single beat capture

## FEATURES

- Used with the CardioInsight™ Mapping Vest
- Non-invasive mapping system
- Collects chest ECG signals and combines them with CT scan data
- Produces and displays simultaneous multi-chamber, 3D, cardiac maps including activation, voltage, driver and phase maps
- Provides various cardiac signal analyses
- Mobile workstation can be used for mapping bedside or in the EP lab



CardioInsight™ Workstation

# CARDIOINSIGHT™ MAPPING VEST

## MULTI-ELECTRODE MAPPING VEST

## PRODUCT SPECIFICATIONS

### Ordering Information

#### ORDER NUMBER

CITVST0001S	Vest Size 1
CITVST0002M	Vest Size 2
CITVST0003L	Vest Size 3
CITVST0004XL	Vest Size 4

### Vest Specifications

#### RECOMMENDED SIZE

The vest comes in four sizes: 1, 2, 3, and 4. Refer to Size Selection Reference Guide for information on vest sizing.

#### MATERIAL

Vest Panel	Cotton/elastane
252 Electrodes	Silver/Silver Chloride (Ag/AgCl)
Gel	7% K-Cl Conductive Gel
Insulation Layer	Polyester
Connectors	Polycarbonate/ABS blend

The CardioInsight™ Mapping Vest is supplied non-sterile and packaged individually. It is a single use device.

## INDICATIONS FOR USE

- Intended to be used only with the CardioInsight™ Workstation to collect ECG signals in order to process and display cardiac epicardial maps

## BENEFITS

- Non-invasive
- Comes in 4 sizes to suit different anatomies

## FEATURES

- 3 panels: front left, front right and back
- 252 electrodes
- Connectors connect the vest to the system to record cardiac activity
- The only materials in contact with the skin are the elastane, adhesive layer and electrode gel



CardioInsight™ Mapping Vest

**Ablation** - A catheter-based, minimally invasive procedure to destroy a small area of heart tissue that is causing rapid and irregular heartbeats - 7, 10, 11, 12, 13, 14, 18, 25, 26, 27, 28, 29, 30, 31, 32, 33

**AF** - Atrial Fibrillation, a rapid and irregular heartbeat that originates in the upper chambers of the heart, the atria - 10, 13, 18

**AFI** - Atrial Flutter - 10, 13, 26

**AP** - Accessory Pathway, additional electrical conduction pathway between two parts of the heart that causes rapid heart beat - 10, 12, 13

**AT** - Atrial Tachycardia - 10, 12

**AVNRT** - Atrioventricular Nodal Reentrant Tachycardia - 10, 12, 13

**Cryo Mapping Mode** - Used for hypothermic site testing; temperature is preset to -30°C and time limited to 60s - 11

**CS** - Coronary Sinus - 39

**EGM** - Electrogram - 10

**EP** - Electrophysiology - 9

**GW** - Guidewire - 8, 19, 22

**HIS** - HIS bundle - 37

**HRA** - High Right Atrium - 37

**LA** - Left Atrium - 9, 21

**N<sub>2</sub>O** - Nitrous oxide - 7, 8, 9

**PV** - Pulmonary Veins - 9

**RF** - Radiofrequency - 17, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33

**RVA** - Right Ventricular Apex - 37

**RVOT** - Right Ventricular Outflow Tract - 13

**SVT** - Supraventricular Tachycardia - 2, 29

**TSP** - Transseptal Puncture - 8, 9, 19, 20, 21

**VT** - Ventricular Tachycardia - 10, 13

# ORDER NUMBER INDEX

## CRYO PORTFOLIO

### CRYO PORTFOLIO CRYOBALLOON SYSTEM

2AF233	Arctic Front Advance 23 mm	7
2AF283	Arctic Front Advance 28 mm	7
4FC12	FlexCath Advance 12Fr	8
990063-015	Achieve 15 mm	9
990063-020	Achieve 20 mm	9
2ACHC	Connecting Cable (10 pins)	9
2ACH15	Achieve Advance 15 mm	9
2ACH20	Achieve Advance 20 mm	9
2ACH25	Achieve Advance 25 mm	9

### FREEZOR™ FAMILY CATHETERS

207F1	Freezor 1 Short/Red	10
207F3	Freezor 3 Medium/Blue	10
207F5	Freezor 5 Long/Orange	10
217F1	Freezor Xtra 1 Short/Red	10
217F3	Freezor Xtra 3 Medium/Blue	10
217F5	Freezor Xtra 5 Long/Orange	10
209F3	Freezor MAX 3 Medium/Blue	11
209F5	Freezor MAX 5 Long/Orange	11
207F1	Freezor 1 Short/Red	11
207F3	Freezor 3 Medium/Blue	11
207F5	Freezor 5 Long/Orange	11

217F1	Freezor Xtra 1 Short/Red	12
217F3	Freezor Xtra 3 Medium/Blue	12
217F5	Freezor Xtra 5 Long/Orange	12
209F3	Freezor MAX 3 Medium/Blue	13
209F5	Freezor MAX 5 Long/Orange	13

### CRYOCONSOLE

106E2	CryoConsole Gen V RoHS	14
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### ACCESSORIES

203CX	Coaxial Umbilical (each)	15
203CXC	Coaxial Umbilical (case of 12)	15
2035U	Electrical Umbilical (each)	15
2035UC	Electrical Umbilical (case of 12)	15
20MRK	Manual Retraction Kit	15
2037A	Auto Connection Box	15
2035W	ECG Cable	15
1035G	Scavenging Hose Purple - 12 m	15
1038E	Power Cord CE - 2.5 m	15
1036W	Wrench 28.6 mm for CryoConsole	15
103NE	N <sub>2</sub> O Refrigerant Tank	15
113NE	Empty N <sub>2</sub> O Refrigerant Tank	15

# ORDER NUMBER INDEX

## PHASED RF PORTFOLIO

### PHASED RF PORTFOLIO

990078	PVAC™ GOLD	18
990065	FlexCath Select Steerable Sheath	19
10876-002	Greatbatch Steerable Sheath	20
990061-055	ARRIVE 55° 61cm	21
990079-055	ARRIVE 55° 79cm	21
990061-070	ARRIVE 70° 61cm	21
990079-070	ARRIVE 70° 79cm	21
990061-090	ARRIVE 90° 61cm	21
990079-090	ARRIVE 90° 79cm	21
990061-120	ARRIVE 120° 61cm	21
990079-120	ARRIVE 120° 79cm	21
990045	Guidewire PV Tracker	22

### GENIUS™

990018	GENius with ContactIQ Generator	23
990029	GENius Jr. Remote Control	23

### ACCESSORIES

990041	4.6 m (15 ft) Remote Control Cable	23
990042	7.6 m (25 ft) Remote Control Cable	23
990028	ECG Interface Box	23
990004	Catheter Interface Cable	23
990020	ECG Interface Box Cable	23
990027	ECG 12-Lead Amplifier Cable	23
990023	Power Cord: Continental Europe	23
E7506	ValleyLab Patient Return Electrodes	23

# ORDER NUMBER INDEX

## CONVENTIONAL EP PORTFOLIO

### CONVENTIONAL EP PORTFOLIO ABLATION CATHETERS

70286034	RF CONTRACTR 7FR 60mm Firm tip	26
70287533	RF CONTRACTR 7FR 75mm Medium tip	27
0786042	RF CONDUCTR MC 7FR 40-60mm Soft tip	27
0786044	RF CONDUCTR MC 7FR 40-60mm Firm tip	27
0787533	RF CONDUCTR MCXL 7FR 55-75mm Medium tip	27
0787544	RF CONDUCTR MCXL 7FR 55-75mm Firm tip	27
07886042	RF CONDUCTR MC 7FR 40-60mm Soft tip	27
07886044	RF CONDUCTR MC 7FR 40-60mm Firm tip	27
07887544	RF CONDUCTR MCXL 7FR 55-75mm Firm tip	27
07887533	RF CONDUCTR MCXL 7FR 55-75mm Medium tip	27
075302	RF MARINR MC 40-60mm	28
075312	RF MARINR MC Flex 45-70mm	28
075402	RF MARINR MCXL 55-70mm	28
075405	RF MARINR MCXL 55-75mm	28
075802*	RF MARINR MC 40-60mm	28
31744523	R ENHANCR II 7FR 45mm Medium Tip	29
31745523	R ENHANCR II 7FR 55mm Soft Shaft Medium Tip	29
31745533	R ENHANCR II 7FR 55mm Medium Shaft Medium Tip	29
39746534	R ENHANCR II 7FR 65mm Firm Tip	29
076583	RF MARINR 5FR 35mm 80cm	30

076584	RF MARINR 5FR 45mm 80cm	30
076585	RF MARINR 5FR 55mm 80cm	30
076586	RF MARINR 5FR 65mm 80cm	30
076514	RF MARINR 5FR 45mm 110cm	30
076515	RF MARINR 5FR 55mm 110cm	30
S17401	SPRINKLR XL 65mm	31
S17403	SPRINKLR L 55mm	31

### RF ABLATION GENERATOR ATAKR™ PLUS

05116	RF Generator to RF Catheter Cable – Sterile 366 cm	32
05106S	RF Generator to RF Catheter Cable – Sterile 183 cm	32
05106E25	RF Catheter Extension Cable – Non-sterile 762 cm	32
990064	RF Power generator	33
05116	RF Catheter Cable, sterile, 3.66 m - Atakr to RF Catheter	34
05106S	RF Catheter Cable, Sterile, 1.83 m - Atakr to RF Catheter	34
05106E25	RF Catheter Extension Cable, non-sterile, 7.62 m	34
05328	EGM Cable, non-sterile, 2.44 m	34
05308E25	EGM Extension Cable, non-sterile, 7.62 m	34

# ORDER NUMBER INDEX

## CONVENTIONAL EP PORTFOLIO

Continued

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4806L15	Foot Switch, Remote Control, non-sterile, 4.57 m	34
4806L50	Foot Switch, Remote Control, non-sterile, 15.24 m	34
04821	Medtronic Ablation Catheter Adaptor (RF Cable to BW Stockert)	34
4825	RF Catheter Adapter Cable (RF Cable to IBI)	34
E7506	ValleyLab Patient Return Electrode, 2.7m	34
990023	Power Cord: Continental Europe	34

### DIAGNOSTIC CATHETERS

44216J	Soloist™ Quadripolar - Josephson-type - 2/5/2	37
44216JF	Soloist™ Quadripolar - Josephson-type Flex - 2/5/2	37
44516J	Soloist™ Quadripolar - Josephson-type - 5/5/5	37
441016JF	Soloist™ Quadripolar - Josephson-type Flex - 10/10/10	37
44216U	Soloist™ Quadripolar - Cournand-type Long - 2/5/2	37
44516U	Soloist™ Quadripolar - Cournand-type Long - 5/5/5	37
441016U	Soloist™ Quadripolar - Cournand-type Long - 10/10/10	37
448142J	Soloist™ Bipolar - Josephson-type	37

448142CL	Soloist™ Bipolar - Cournand-type Long	37
04122JM	TORQR 5FR Josephson-type 2/5/2 110mm	38
04125JM	TORQR 5FR Josephson-type 5/5/5 4 110mm	38
04122UM	TORQR 5FR Cournand-type 2/5/2 110mm	38
04125UM	TORQR 5FR Cournand-type 5/5/5 110mm	38
04120DS	TORQR 5FR Damato-type 2/2/2 80mm	38
041002JM	TORQR 6FR Josephson-type 2/5/2 110mm	38
041005JM	TORQR 6FR Josephson-type 5/5/5 110mm	38
041002UM	TORQR 6FR Cournand-type 2/5/2 110mm	38
041005UM	TORQR 6FR Cournand-type 5/5/5 110mm	38
041005DM	TORQR 6FR Damato-type 5/5/5 110mm	38
041010JM	TORQR 6FR Josephson-type 10/10/10 110mm	38
041010UM	TORQR 6FR Cournand-type 10/10/10 110mm	38
041565CS	TORQR CS 5FR Coronary Sinus 2/5/2 65mm	39
041865CS	TORQR CS 5FR 5 Coronary Sinus 2/8/2 65mm	39
041590CS	TORQR CS 5FR Coronary Sinus 2/5/2 90mm	39
072322M	MARINR™ SC XXL 7FR 65mm	40
072302	MARINR MC 7FR 40-60mm 2/5/2 110mm	41
072402	MARINR MCXL 7FR 55- 75mm 2/5/2 110mm	41
043302M	MARINR CS 7FR 55mm 2/2/2 90mm	42
043325M	MARINR CS 7FR 55mm 2/5/2 90mm	42

043328M 7 55	MARINR CS 7FR 55mm 2/8/2 90mm	42
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05504SP	Cable, Diagnostic Catheter to EP Recording, Yellow 122 cm	44
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## TRANSSEPTAL INTRODUCTION PRODUCTS

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008532*	MULLINS Sheath Pediatric 8Fr	44
008530*	MULLINS Sheath Pediatric 6Fr	44
EP003994S	BROCKENBROUGH Needle Adult – 18 gauge shaft, 21 gauge tip	44
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## MERIT™ NEEDLE

FND-019-00	Merit™ Needle 56 mm - 50° Curve - 22 gauge	45
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FND-019-02	Merit™ Needle 71 mm - 86° Curve - 21 gauge	45
FND-019-03	Merit™ Needle 89 mm - 50° Curve - 21 gauge	45
FND-019-04	Merit™ Needle 89 mm - 86° Curve - 21 gauge	45
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FND-019-06	Merit™ Needle 98 mm - 86° Curve - 21 gauge	45

## CARDIOINSIGHT™ SYSTEM

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## CRYO PORTFOLIO

- Chun KRJ et al. The Impact of Cryoballoon Versus Radiofrequency Ablation for Paroxysmal Atrial Fibrillation on Healthcare Utilization and Costs: An Economic Analysis From the FIRE AND ICE Trial. J Am Heart Assoc. July 2017 DOI: 10.1161/JAHA.117.006043.
- Kuck KH, Brugada J, Fürnkranz A, et al. Cryoballoon or Radiofrequency Ablation for Paroxysmal Atrial Fibrillation. New Engl J Med. Published online April 4, 2016.
- Kuck KH, Brugada J, Fürnkranz A, et al. The FIRE and ICE Trial: looking beyond the primary efficacy and safety endpoints. European Heart Journal Advanced Access published July 5, 2016.

## PHASED RF PORTFOLIO

- Gal P, Bulst T.J., Smit J.J.J., Adlyaman A, Ramdat Misler A.R., Delnoy P.P.H.M., Elvan A. Effective contact and outcome after pulmonary vein isolation in novel circular multi-electrode atrial fibrillation ablation. Neth Heart J. 2016 Oct 17.
- Weber S., Hoher M., Schultes D. First results and follow-up of a second-generation circular mapping and ablation catheter. J Interv Card Electrophysiol. 2016; 1-7.
- De Greef Y, Dekker L, Boersma L, Murray S, Wieczorek M, Spitzer SG, Davidson N, Furniss S, Hocini M, Geller JC, Csanadi Z. Low rate of asymptomatic cerebral embolism and improved procedural efficiency with the novel pulmonary vein ablation catheter GOLD: results of the PRECISION GOLD trial. Europace. 2016 Jan 29. pii: euv385. PMID: 26826134.
- Leitz P, Güner F, Wasmer K, Foraita P, Pott C, Dechering DG, Zellerhoff S, Kochhäuser S, Lange PS, Eckardt L, Mönnig G. Data on procedural handling and complications of pulmonary vein isolation using the pulmonary vein ablation catheter GOLD®. Europace. 2015 Dec 23. [Epub ahead of print].



## BRIEF STATEMENT

See the devices manuals for detailed information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative.

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