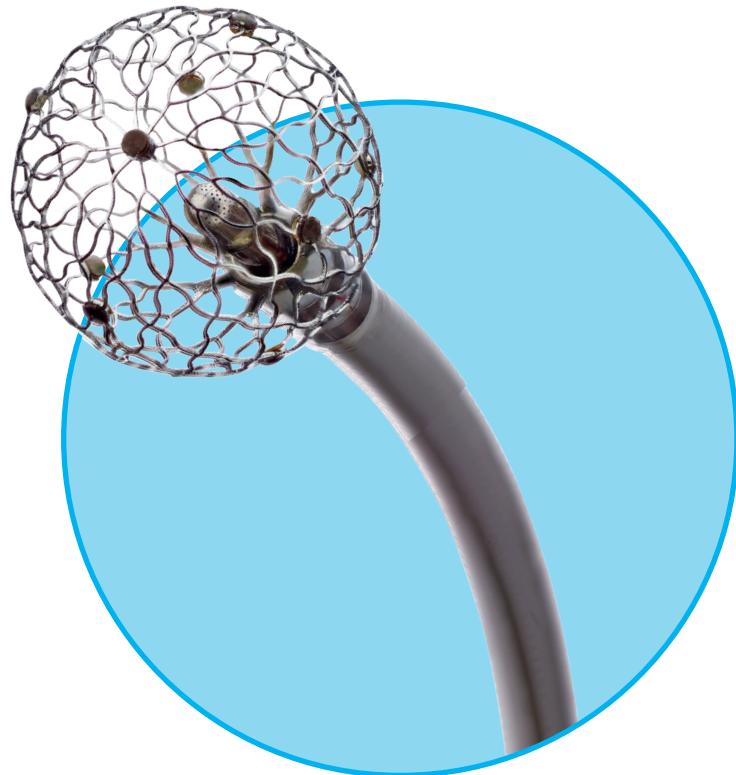


# Sphere-9™ Catheter

All-in-one – map | ablate | validate



The Sphere-9 catheter is a navigation-enabled, bidirectional, irrigated, multi-electrode, high-density (HD) mapping and ablation catheter with a novel, nitinol lattice tip design. The 9 mini electrodes and single central reference electrode support close unipolar HD mapping capabilities for creating anatomical, voltage, and activation maps. The lattice tip delivers lesions using PF and RF energy and the 9 mini surface electrodes, integrated with 9 thermocouples, provide real-time tissue contact information and tissue temperature feedback.

It is compatible with the Affera™ mapping and ablation system including all associated mapping software, hardware, and disposable components.

## Ordering information

### Order number

AFR-00001

Sphere-9 Catheter

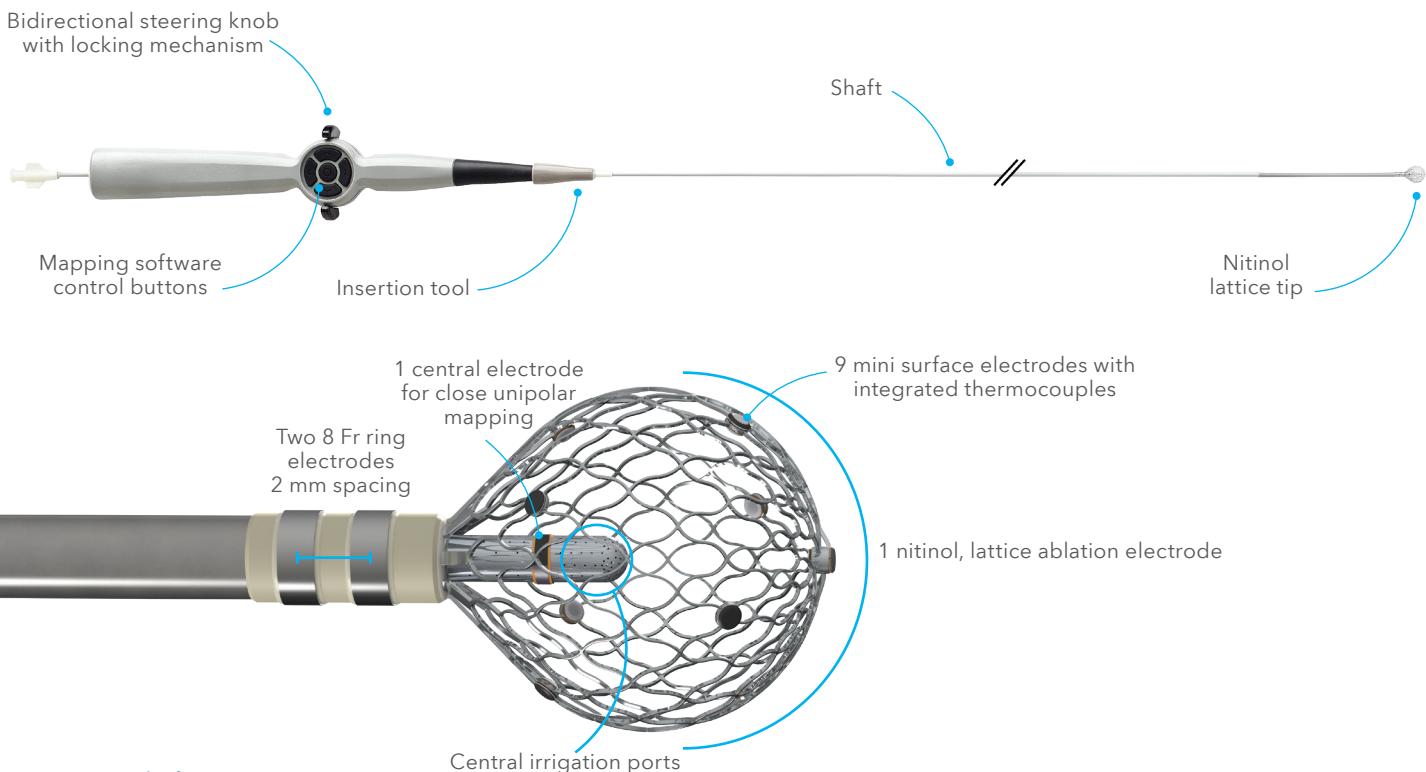
## Sphere-9 catheter

### Specifications

Form factor	Wide area focal
Energy options	Pulsed field and radiofrequency <sup>†</sup>
Shaft diameter	8 Fr
Tip diameter	9.3 mm
Working length	115 cm <sup>‡</sup>
Curve direction	Bidirectional/asymmetrical
Curve diameter	Large "F" (5 cm) Small "D" (3.5 cm)
Irrigation rates	4 mL/min when mapping 15 mL/min with PF energy delivery 30 mL/min with RF energy delivery
Number of electrodes	1 lattice ablation electrode 9 mini surface electrodes 2 ring electrodes 1 central electrode
Electrode spacing	Mini surface electrode spacing: < 6 mm Ring electrode spacing: 2 mm (center to center)
Sheath compatibility	8.5 Fr deflectable sheath

<sup>†</sup>Four return electrodes with surface area  $\geq 124 \text{ cm}^2$  that conform with IEC/EN 60601-2-2 are required for energy delivery.

<sup>‡</sup>The working catheter length is defined as the length between the distal end of the catheter tip to the distal end of the strain relief.



## Compatibility

### Catheter cable

Order number	Product name	Length	Connector type
AFR-00006	Catheter extension cable	2 m	Console end: Circular 52-pin connector Catheter end: Oblong edge-card connector

### Affera™ components

Order number	Product name/detail
AFR-00003	Affera™ Prism-1 Mapping System
AFR-00004	HexaGen™ RF generator
AFR-00005	HexaFlow™ irrigation pump
AFR-00008	HexaPulse™ PF generator
AFR-00007	Location reference patch kit
AFR-00002	Tubing kit
AFR-00013	System cart

**Note:**  
Several of the Affera components are ordered as part of a bundled system and cannot be ordered separately at this time.

Formal product names in IFUs may differ from what is in this document:  
Sphere-9™ Catheter = Sphere-9™ Mapping and Ablation Catheter, System Cart = Affera System Cart, Tubing Kit = HexaFlow™ Tubing Set.

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### Brief statement

See the device manual for information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at [medtronic.eu](http://medtronic.eu).