

Success Simplified

Three PFA technologies, one trusted partner

As the company with three CE marked pulsed field ablation (PFA) platforms, the innovative Medtronic Cardiac Ablation toolset accommodates a wide variety of workflows while unlocking procedural efficiencies with unmatched safety.

Sphere-9™ catheter

Map. Ablate. Validate.

Map:

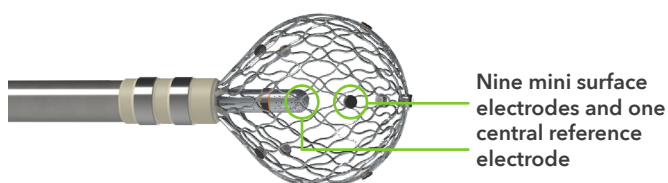
Close-Unipolar™ mapping combines the benefits of bipolar and unipolar electrogram acquisition² using **nine mini surface electrodes and one central reference electrode**.

Ablate:

Compressible, 9 mm ablation electrode lattice tip creates safe,¹ effective,¹ and durable³ lesions with dual energy ablation: PF and RF. Indicated for persistent AFib and typical flutter using RF energy.

Validate:

Transition from ablation to validation using a single transseptal access and zero exchange workflow¹ with an 8 Fr bidirectional catheter design.



Nine mini surface electrodes and one central reference electrode

PulseSelect™ pulsed field ablation system

Precision in every pulse.

The segmental PFA tool with demonstrated precision and reproducible durability is setting a new standard in safety.^{4,5} The PulseSelect PFA system is designed as a plug-and-play system for seamless adaptability with the EP lab. The system can be used with any mapping system or imaging tool.

PulseSelect™ PFA catheter

The PulseSelect PFA catheter is backed by 15 years of comprehensive PFA research and one of the safest PFA IDE trials to date.^{4,6} The catheter features nine fixed electrodes⁷ on a 25 mm loop to produce predictable, consistent, and contiguous energy delivery.



Sphere-360™ pulsed field ablation catheter

Full circle ablation. 360 integration. Consistent outcomes.

Full circle ablation. No rotation.

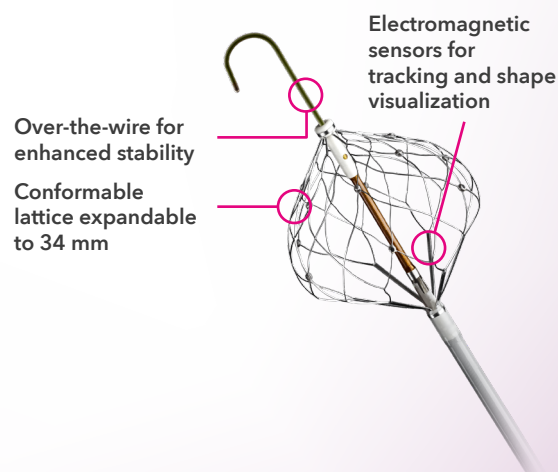
The Sphere-360™ PFA system delivers safe, efficient, and durable PVI through a simple ZeroTurn™ workflow⁸. It achieves complete isolation in only four applications with no catheter rotation needed.

360 integration. Zero exchange.

The Sphere-360™ PFA catheter is exclusively integrated with the Affera™ mapping and ablation system. Its all in one design delivers navigation, mapping, and ablation through a single catheter.

Consistent outcomes.

The Sphere-360™ catheter delivers predictable workflows and lasting results across centers – with reliability and confidence in your procedure. The Sphere-360™ CE mark study demonstrated 98% per PV durability at 75 days, 88% efficacy at one year, and no primary safety events.⁸

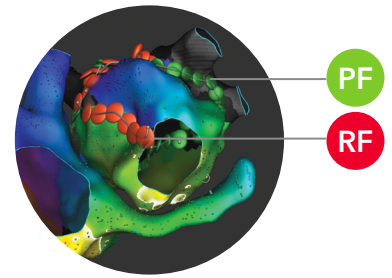




Affera™ mapping and ablation system

Experience a new paradigm in EP.

The Affera mapping and ablation system is a fully integrated solution, purposefully built for an optimized Sphere-9™ and Sphere-360™ user experience, offering more predictable and flexible procedures¹ while empowering physicians to accurately map and safely ablate with all-in-one, HD mapping, and dual-energy (pulsed field [PF] and radiofrequency [RF]) functionality through a single transseptal access with a zero exchange workflow.¹ Designed for PFA today and the evolving needs of electrophysiology in the future.



1. Anter E, Mansour M, Nair DG, et al. Dual-energy lattice-tip ablation system for persistent atrial fibrillation: a randomized trial. *Nat Med*. August 2024;30(8):2303-2310.
2. de Bakker JMT. Electrogram recording and analyzing techniques to optimize selection of target sites for ablation of cardiac arrhythmias. *Pacing Clin Electrophysiol*. December 2019;42(12):1503-1516.
3. Reddy VY, Anter E, Rackauskas G, et al. Lattice-Tip Focal Ablation Catheter That Toggles Between Radiofrequency and Pulsed Field Energy to Treat Atrial Fibrillation: A First-in-Human Trial. *Circ Arrhythm Electrophysiol*. June 2020;13(6):e008718.
4. Verma A, Haines DE, Boersma LV, et al. Pulsed Field Ablation for the Treatment of Atrial Fibrillation: PULSED AF Pivotal Trial. *Circulation*. May 9, 2023;147(19):1422-1432.
5. Verma A, Haines DE, Boersma LV, et al. Influence of monitoring and atrial arrhythmia burden on quality of life and health care utilization in patients undergoing pulsed field ablation: A secondary analysis of the PULSED AF trial. *Heart Rhythm*. September 2023;20:1238-1245.
6. Hong J, Stewart MT, Cheek DS, Francischelli DE, Kirchhof N. Cardiac ablation via electroporation. *Annu Int Conf IEEE Eng Med Biol Soc*. 2009;2009:3381-3384.
7. Howard B, Verma A, Tzou WS, et al. Effects of Electrode-Tissue Proximity on Cardiac Lesion Formation Using Pulsed Field Ablation. *Circ Arrhythm Electrophysiol*. October 2022;15(10):e011110.
8. Reddy VY, Peichl P, Kautzner J, et al. One-year outcomes of a conformable single-shot pulsed-field ablation catheter for the treatment of paroxysmal atrial fibrillation. *Heart Rhythm*. 2025;22(10):2551-2561. doi.org/10.1016/j.hrthm.2025.04.031.

This material should not be considered the exclusive source of information, it does not replace or supersede information contained in the device manual(s).

Please note that the intended use of a product may vary depending on geographical approvals.

See the device manual(s) for detailed information regarding the intended use, the (implant) procedure, indications, contraindications, warnings, precautions, and potential adverse events.

For a MRI compatible device(s), consult the MRI information in the device manual(s) before performing a MRI.

If a device is eligible for eIFU usage, instructions for use can be found at Medtronic's website manuals.medtronic.com.

Manuals can be viewed using a current version of any major internet browser. For best results, use Adobe Acrobat® Reader with the browser.

Medtronic products placed on European markets comply with EU and UK legislation (if applicable) on medical devices.

For any further information, contact your local Medtronic representative and/or consult Medtronic's websites.

Medtronic medical devices marketed in Spain are in compliance with the Spanish legislation in force

This promotional material is only intended for HCPs.

Europe

Medtronic International Trading Sàrl.

Route du Molliou 31

Case postale

CH-1131 Tolochenaz

www.medtronic.eu

Tel: +41 (0)21 802 70 00

Fax: +41 (0)21 802 79 00

©2026 Medtronic. Medtronic, Medtronic logo, and Engineering the extraordinary are trademarks of Medtronic. All other brands are trademarks of a Medtronic company. 21899973-en-emea