

Symplicity G3™ renal denervation RF generator

Precise, safe, and effective¹⁻⁵

As part of the Symplicity Spyral™ renal denervation system, the **Symplicity G3 generator** employs a real-time responsive algorithm that automatically adjusts power by monitoring temperature and impedance for safe energy distribution.⁵



Symplicity G3 Generator



For use with the Symplicity Spyral™ multi-electrode renal denervation catheter

RDNG3A / RDN017 (Based on country approval)



- Dimensions: 29.9 cm x 36.7 cm x 18.9 cm (11.8 in x 14.5 in x 7.5 in)
- Weight: < 9 kg (< 19.8 lbs) excluding accessories
- Display screen: 26.4 cm (10.4 in)

Materials

- Painted and nonpainted sheet metal
- Polycarbonate/acrylonitrile butadiene styrene blend (external covers)
- Thermoplastic elastomer (cord management strap)
- Glass (projected capacitance touchscreen)

Cart

- ABS plastic
- Painted aluminium

Accessories

AC power cables

• NEMA 5-15	< 3.1 m
• CEE 7/7	2.5 m
• SANS 164-1	2.5 m
• AS/NZS 3112	2.5 m
• BS 1363	2.5 m
• CEI 23-50 S11	2.5 m
• SEV 1011	2.5 m
• SI-32	2.5 m
• DK-2-8A	2.5 m

Included

- Remote control

Optional

- Mobile cart

Sold separately

- Symplicity Spyral catheter
- 0.014" guidewire (non-hydrophilic with a supportive shaft and floppy tip)
- 6 F guide catheter (90 cm max length)
- Dispersive electrode for RDNG3A: Compatible with Polyhesive™ adult patient return electrode (Model E7507, E7505-DB)
- Dispersive electrode for RDN017: A disposable dispersive electrode with a molded connector specified for adult use that complies with IEC 60601-2-2 is required

Technical specs

- RF power output to a maximum of 6.5 W per electrode (26 W total)
- Delivers energy if measured impedance is \geq 175 ohms and $<$ 1200 ohms
- Input power of 100 to 240 V \sim , 50 to 60 Hz universal power supply

¹ Böhm M, Kario K, Kandzari DE, et al. Efficacy of catheter-based renal denervation in the absence of antihypertensive medications (SPYRAL HTN-OFF MED Pivotal): a multicentre, randomised, sham-controlled trial. *Lancet*. May 2, 2020;395(10234):1444-1451.

² Kandzari DE, Townsend RR, Kario K, et al. Safety and Efficacy of Renal Denervation in Patients Taking Antihypertensive Medications. *J Am Coll Cardiol*. 2023;82(19):1809-1823

³ Medtronic Data on File, Design Validation Plan and Report, Mar 2023

⁴ Medtronic Data on File, G3 Generator Software V and V report, Mar 2023

⁵ Coates P, Tunev S, Trudel J, Hettrick DA. Time, Temperature, Power, and Impedance Considerations for Radiofrequency Catheter Renal Denervation. *Cardiovasc Revasc Med*. September 2022;42:171-177.



Refer to the Instructions for Use (IFU) and User Manual for full product information.

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 www.medtronic.eu.
For distribution only in markets where the Symplicity Spyral™ multi-electrode renal denervation catheter and Symplicity G3™ renal denervation RF generator have been approved. Not for distribution in the USA, Japan or France.