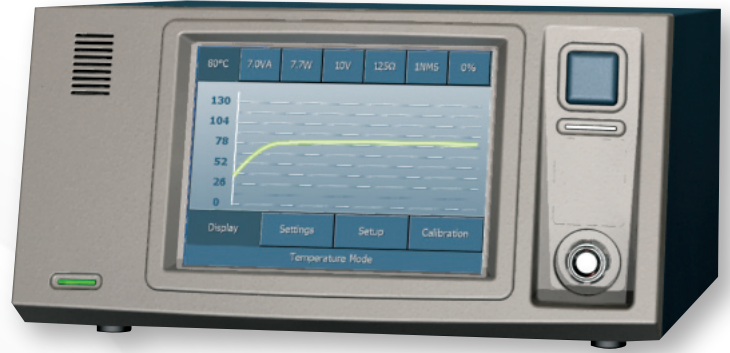


NexGen RFG™ Radio Frequency Generator

The NexGen RFG™ Radio Frequency Generator (RFG) is a flexible and powerful, yet easy to use medical RFG platform. It enables rapid development of new treatments, catheters and devices through full customization of energy profiles and parameters at the touch of a button.

The ultimate benefit of the NexGen RFG is reduced time-to-market. Once the research and proof-of-concept testing is done, and the optimum treatment parameters have been determined, the base platform can be quickly customized, tested and transferred into production.*



FEATURES:

- Flexible research platform allowing multiple monopolar and bipolar engine choices
- Fully customizable delivery profiles (temperature, impedance or energy-based)
- Separate control loops for each control mode (and device)
- Flexible, touch-screen user interface that allows real-time control loop tuning
- Variable output power
- Catheter/device/probe identification (custom per-device profiles)
- Small, compact footprint
- USB-updatable firmware
- Advanced data logging capabilities

COMMERCIALIZATION OPTIONS:

OUTPUT CONFIGURATIONS

- Bipolar
- Monopolar
- Bipolar & Monopolar

CHANNELS

- One (1)
- Four (4)

MAXIMUM POWER

- 100 Watts
- 200 Watts

ACCESSORIES

- Auto Device Recognition
- Wireless Data Transfer
- Advanced Graphics
- PC-based Energy Profiles
- Adjustable Control Algorithm
- Custom Adapter
- Foot Switch
- Irrigation
- Evacuation



NexGen
RFG

NexGen RFG™ Generator Specifications

	MONOPOLAR	BIPOLAR	MONOPOLAR/BIPOLAR
Energy Output**			
Output Channels	1 Channel	4 Independent Channels	1-4 Independent or Combined Channels
Maximum Power	200W	50W/Channel	50W/Channel
Output Type	Monopolar	Bipolar	Combination of Mono or Bipolar Channels
Frequency	460 KHz +/- 10KHz	460 KHz +/- 10KHz	460 KHz +/- 10KHz
Waveform	Quasi-sinusoidal	Quasi-sinusoidal	Quasi-sinusoidal
Maximum Current (RMS)	3 A _{RMS}	1.6 A _{RMS}	1.6 A _{RMS}
Maximum Voltage (RMS)	300 V _{RMS}	140 V _{RMS}	140 V _{RMS}
Full Power Rated Load	20 to 400 Ohms	20 to 400 Ohms	20 to 400 Ohms
Reduced Power Rated Load	10 to 2000 Ohms	10 to 2000 Ohms	10 to 2000 Ohms

Display/Indicators/Connectors

Front Panel	LCD Touchscreen (up to 1024x768)
	Single or Dual Speaker
	USB Data Logging/Software Update Port
Rear Panel	USB Manufacturing Service Port
Audible Indicators	Touch Screen Press Acknowledge
	Treatment Alert
	Fault Alarm

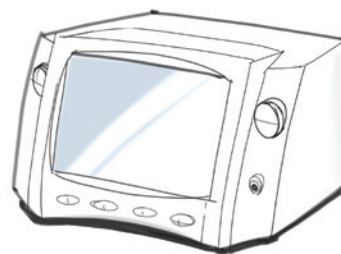
Operator Adjustments

Operator Modes	Power, Temperature or Voltage Control
Power Setpoints	0.1 to Max Power., .1W steps, Each Channel Individually Adjustable
Temperature Setpoints	40°C to 120°C, 1°C steps, Each Channel Individually Adjustable
Energy Termination Triggers	Temperature Limit, Impedance Limit Treatment Time, Operator Switch Press
Treatment Profiles	Downloadable through USB, Adjustable through Touchscreen

Physical Dimensions

Height	6 inches
Width	11.25 inches
Depth	14 inches
Weight	10 lbs

The **NexGen RFG™ Radio Frequency Generator** provides **flexibility** for treatment and device research, and **scalability** for rapid commercialization.



For more information, please contact RBC at:
nexgen@rbccorp.com or 913.385.5700 x333

* The NexGen RFG is a medical device development platform but is NOT an approved medical device for human use. Once the desired configuration is determined, the base documentation exists to allow quick update and submission to the appropriate regulatory bodies.

** Power output configuration can be customized based on Client requests.

