

GGK-RF15.

The most compact and reliable 13.56 MHz RF generator in its class, ready to mount on-board chamber where space is precious.



13.56 MHz

Quartz-stabilized

200 W

Power, 1 W step

85 %

Output efficiency

2.5 kg

Weight, ultra-compact

Reliable RF power in the smallest footprint

The **GGK-RF15** is an RF generator in the 13.56 MHz ISM band, with power adjustable from 0 to 200 W. Born from Gambetti's deep experience in plasma and vacuum technologies, it is the most **compact and reliable** generator in its class, offered at a very attractive price.

Its high reliability and compactness come from the selection of latest-generation components right at the design stage. The result is a unit built from a **limited number of parts** and almost entirely free of internal cabling.

Its extremely small dimensions allow the generator to be mounted **directly on-board chamber**, ideal in small plasma systems where every centimetre counts.



Ultra-compact steel chassis with status and alarm LEDs.

Ultra-compact

220 × 180 × 80 mm at just 2.5 kg: mounts anywhere, even on-board chamber.

Quartz-stabilized

13.56 MHz, 200 W full scale with 1 W step adjustment.

85% efficiency

The output stage converts DC to RF with few losses: minimal cooling needed.

Few components

Almost no internal cabling: fewer failure points, greater reliability.

— TOTAL ROBUSTNESS

Built to never stop

Full output protection

Works without failure on any load, including short and open circuits, for unlimited time. The reflected-power limit is 50 W: the ideal solution to pair with matching networks.

Smart fan

Air cooling with an internal 50 mm fan, switched on only when the RF output is active. A detail that significantly extends the life of the fan and the generator.

Compact. Efficient. Unstoppable.

Where the G GK-RF15 works

- **Plasma treatments** for surface modification, activation and pre-cleaning.
- **Etching** and Reactive Ion Etching processes.
- **Power supply** for small sputtering cathodes.
- **Deposition** assisted by PECVD plasma.
- **On-board chamber** mounting in small plasma systems.
- **Perfect pairing** with Gambetti matching networks.

— FIELDS OF USE

RIE

Reactive Ion Etching

PVD

PVD coating

PECVD

Plasma-Enhanced CVD

R&D

Research & development

Specifications

DIMENSIONS

Footprint 220 × 180 × 80 mm

Weight 2.5 kg

RADIO FREQUENCY

Frequency 13.56 MHz quartz

Power 200 W f.s., 1 W step

Tolerance < 3% f.s. on 50 Ω

OUTPUT STAGE

DC-RF efficiency 85%

Protection Any load, unlimited

Short / open Safe, unlimited

Reflected-power limit 50 W

USER INTERFACE

Connector D-Type 15 pin

Analog signals 10 V f.s.

Readings Setpoint, FWD, REV

Digital signals 24 V standard

Alarms Provided

COOLING

Type Air, 50 mm fan

Activation Only when RF active

COMPLIANCE

Certification CE Marked