

COMET

iVario

450 / 4.5



With more than 60 years of expertise in the field, you're guaranteed that the iVario 450 kV generator has been built to go the distance to optimize the X-ray process. Its all-round flexible design offers a broad range of configuration possibilities that have been carefully considered to ensure safety, consistency and durability. With this advanced model, you can expect higher uptime, prolonged tube life and consistent results.

- Highly modular, versatile and configurable generator with settings that can be adapted to suit your specific needs.
- The intelligent arc-handling system with built-in characterization logic enables automatic arc detection, providing the optimal settings to prolong the lifespan of the X-ray tube.
- The tube library that comes with the generator includes optimized tube profiles (ramp-up and ramp-down profiles), prolonging the tube's lifespan with the best module (tube-generator) integration.
- Additional accessories, such as a touchscreen control panel and an IP54 protection cover, make the iVario generator well suited to every application.



COMET

Technology with Passion

FLEXIBILITY MODULARITY VARIETY

PRODUCT SPECIFICATIONS

VOLTAGE RANGE	20–450 kV
ADJUSTMENT INCREMENTS (minimum step)	≤ 0.1 kV
ACCURACY	± 1% of max kV
REPRODUCIBILITY (at constant temperature)	± 0.01% of max kV
LONG-TERM VOLTAGE STABILITY *	± 0.1% of max kV
TEMPERATURE-INDUCED DRIFT	± 40 ppm/°C
HIGH-VOLTAGE RIPPLE (with 10 m high-voltage cable)	10 V/mA (min 40V)

EMISSION CURRENT RANGE	0–15 mA
ADJUSTMENT INCREMENTS	≤ 0.01 mA
ABSOLUTE ACCURACY	± 0.2% of max mA
REPRODUCIBILITY (at constant temperature)	± 0.002 mA
LONG-TERM CURRENT STABILITY *	± 0.1% of set mA
TEMPERATURE-INDUCED DRIFT	± 50 ppm/°C

MAXIMUM POWER	4 500 W
KV RAMP-UP AND RAMP-DOWN TIME BETWEEN TWO WORKING POINTS **	< 300 ms

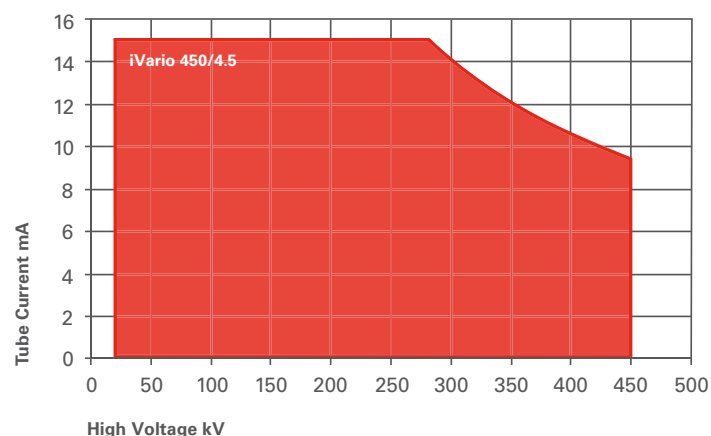
INTERFACES

HIGH-VOLTAGE CONNECTOR TYPE	R28
DATA / CONTROL	Ethernet RS-232

DIMENSIONS

DIMENSIONS (HxWxL)	500 x 970 x 660 mm
WEIGHT	249 kg
APPROVALS	CE, CB, NFC 74100

GENERATOR DIAGRAM



* Over 8 hours at max kV/power after 1 hour warm-up

** Can be further limited by the X-ray tube