

## CF SERIES

# CF100



The Gulmay CF series of high-voltage x-ray generators is designed to partner the 1800W range of high-power, small focal spot x-ray tubes. The CF series is available in a wide range of output voltage configurations from 50KV to 550KV. CF series generators are designed to offer a cost-effective solution to powering high-power small focal spot x-ray tubes by perfectly marrying the 1800W power output of the tube. Operating at 45KHz and using Gulmay's variable frequency technology, the CF is an efficient and versatile generator ideal for a broad array of applications including CT, gauging, and a range of real time NDT inspection.

The CF series incorporates an accurate feedback system that constantly monitors the x-ray tube mA and kV to ensure precise and stable output. The generator status is monitored by the internal electronics to maintain safe and reliable operation. The oil-filled high-voltage system provides greater thermal dissipation than resin-filled designs, increasing reliability and ensuring both a 100% duty cycle and full field serviceability.

# X-RAY

## GENERATORS • CONTROLLERS • TUBES

Gulmay is a world leader in the design and manufacture of high voltage generators, x-ray generators and x-ray controllers.

Our extensive range of class-leading x-ray generators is complimented by a broad range of components including x-ray tubes from the world's leading manufacturers, high voltage cables, coolers, and complete turnkey sub-systems, configured and optimised for straightforward system integration.



### PRODUCT SPECIFICATIONS

Max Power	1800W
kV Range	5-100kV
kV Accuracy	±1% of Demand Value
kV Reproducibility	Better Than ±0.05kV
High Voltage Ripple	<5.0V/mA with 10M High Voltage Cable
mA Range	0-40mA
mA Accuracy	±0.5% of Demand Value
mA Reproducibility	Better Than 2µA
Input Voltage	230 V ± 10% 47-63 Hz
Input Current	13A at 230V
Output Connector	R24

Storage Temperature	-40°C to +70°C
Operational Temperature	0°C to +40°C
Relative Humidity	95%
Duty Cycle	100%

### INTERFACES

Comms	Analogue / RS232 / RS422 / Ethernet
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### DIMENSIONS\*\*

Dimensions, mm	(W)364 x (H)565 x (D)613
Weight (approx.)	105kgs

\*\* The Information provided is for reference purposes only. Actual specifications may differ depending on variant.

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