

FC SERIES

FC320

FC320 consisting FC167-1/3 (cathode) and the FCA167/2 (anode)



The Gulmay FC Series of high-voltage generators is available in either a standard 640W or higher power 1000W option. FC series generators are the ideal power supply when using traditional and high power series x-ray tubes for a variety of imaging techniques including analogue real-time imaging, digital flat panel imaging and linear imaging detectors. Used extensively in tyre inspection applications, the FC series is also ideal for use in food inspection, casting and welded assemblies, small parcel security, and a wide range of real-time NDT inspection applications.

The FC 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. The FC320 features a stackable configuration to reduce generator footprint size and is widely used in security screening applications.

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	1000W
kV Range	10-320kV
kV Accuracy	±1% of Demand Value
kV Reproducibility	Better Than ±0.05kV
High Voltage Ripple	<10.0V/mA with 10M High Voltage Cable
mA Range	0-8mA
mA Accuracy	±0.5% of Demand Value
mA Reproducibility	Better Than 2µA
Input Voltage	230 V ± 10% 47-63 Hz
Input Current	12.8A 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%
Altitude	Up to 2000M above sea level

INTERFACES

Comms	RS232 /RS422
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DIMENSIONS**

Dimensions, mm	Cathode (W)360 x (H)480 x (D)630 Anode (W)360 x (H)420 x (D)630
Weight (approx.)	199kgs (combined)

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

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