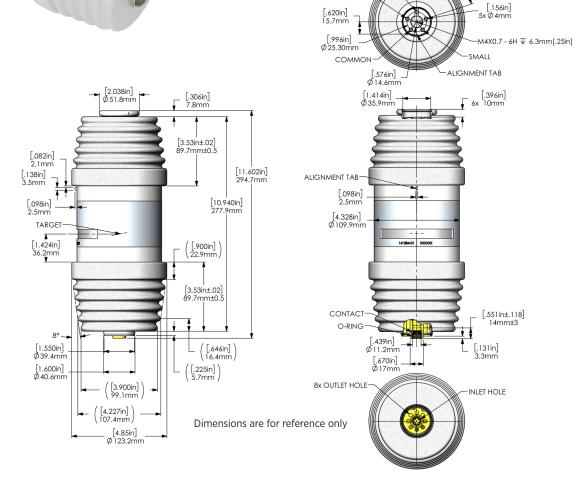
MB-320-11FB

Stationary Anode X-Ray Tube



Product Description

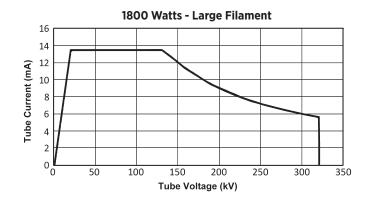
The MB-320-11FB is a liquid cooled stationary anode, metal ceramic X-ray source. This source is designed for security and NDT applications.

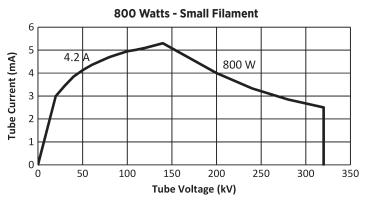


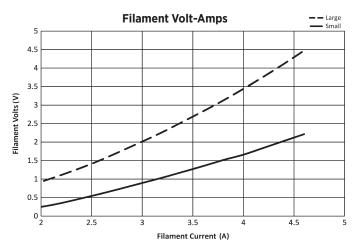
X-Ray Tube Specifications

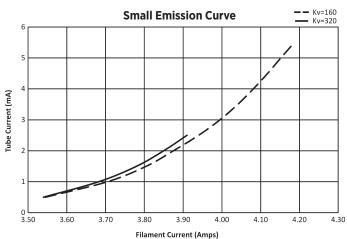
Maximum Peak Voltage320 kVAnode to Ground160 kVCathode to Ground160 kV	Maximum Continuous Rating Small
Focal Spot (EN 12543) 1.3 x 0.7 mm Large 2.0 x 1.3 mm	Cooling Medium Oil Reference Axis Perpendicular to port face. Radiation Coverage 8° x 110°
Target Angle	X-Ray Insert Window Permanent Filtration 0.2 mm Cu, + 0.4 mm Fe
Temperature at fluid inlet (maximum) 50°C	Weight (approx.) 5.4 kg (11.9 lbs)











Instructions for Installation and Operation

Grounding

The customer is responsible to provide earth ground to the x-ray tube housing. It is recommended to use a conductive clamp around the center metal can to assure a good ground termination.

General

The control of the high voltage and the filament current as well as the design of the cooling unit is the responsibility of the equipment manufacturer.

Cooling of the Anode

It is the responsibility of the customer to ensure that the cooling medium flow meets the required cooling conditions. Insufficient cooling of the anode can lead to the destruction of the anode, therefore cooling must be switched on before the application of high voltage.

Control of Cooling Medium

Flow, pressure, and temperature of the cooling medium at the inlet to the tube or the tube assembly must be appropriately monitored. High voltage must be terminated when the pressure or flow rate fall below the minimum level or when the temperature exceeds the maximum level. When the tube is switched off the coolant flow must continue for at least 2 minutes in order to protect the anode from destruction



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WARNING

This x-ray tube produces a very high level of long wavelength X-radiation, which can injure human tissue. Injury may occur from even very short exposures to the primary X-ray beam. Follow all precautions necessary to avoid radiation exposure to humans.

The radiation dose rate cannot be accurately measured with conventional radiation measurement instruments. Radiation intensity in each installation will vary, and calibration must include the effects of long wavelength X-radiation.

Manufactured by Varex Imaging Corporation

Specifications subject to change without notice.

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