

SEIFERT X-ray Tubehousing

ISOVOLT 160 MM2 / 0.2



Application

Radiography:

Enlarged display, small structures with extremely small film-focus distance.

Radioscopy:

At extreme geometric magnification and high resolution.

Features

- Direct radiating tube with minifocus, unipolar, grounded anode, water cooled
- Metal-ceramic tube with oblique anode and beryllium window
- Compatible with X-ray equipment of the ISOVOLT series
- Produced under ISO 9001 certified quality management system

Options

- Quick-lock cable flange
- Collimator attachments
- Tube yokes
- Beam shutters
- Motorized limiting diaphragms

GE imagination at work



Dose Rate within the Central Beam

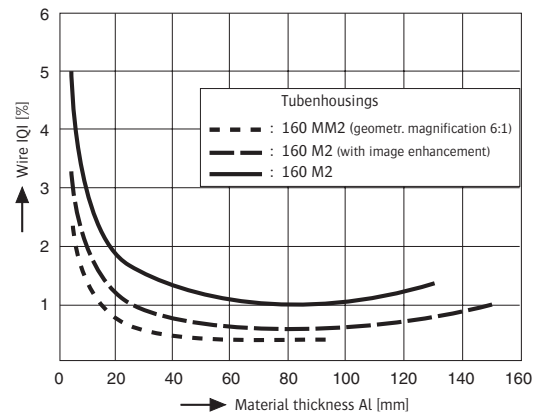
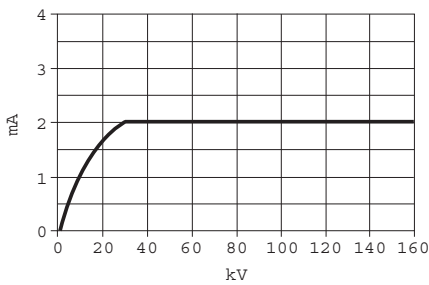
The generation of radiation in an X-ray tube solely depends on the operation values, not on the make.

The dose rate relevant in practice and suitable for calculations of radiation pro-

tection values is defined by national standards; thus the dose rate of the tubehousing ISOVOLT 160 MM2/0.2, measured at a distance of 1 m from the focal spot, amounts to 0.91 Sv/h at maximum tube voltage and maximum anode dissipation.

This value must not be used to assess biological effects.

The dose rate of the leakage radiation is < 2.5 mSv/h (250 mrem/h).



Technical Data

Maximum tube voltage	160 kV
Maximum anode dissipation	320 W
Tube current at max. tube voltage	2 mA
Focal spot size (EN 12 543)	< 0.50 mm (~ 0.2 IEC 336)
Emergent beam angle	30° (10° + 20°)
Inherent filtration	1 mm Be
High voltage connection	Plug socket for rubber cone plug R24 with optional quick-lock cable flange
Cooling water flow rate	min. 4 l/min
Cooling water temperature	max. 40° C
Cooling water pressure	max. 6 bar
Weight (with optional cable quick-lock)	8 kg (17.6 lbs)
Dimensions	see drawing

