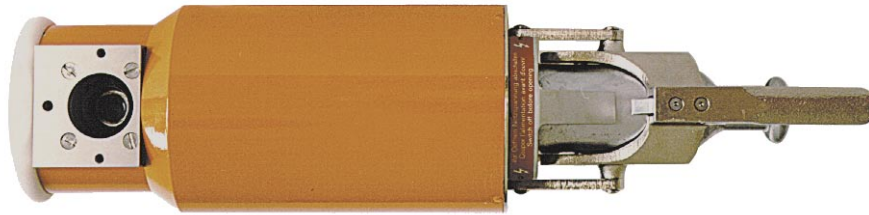


# SEIFERT X-ray Tubehousing

## ISOVOLT 225 M2 / 0.4-3.0



### Application

High resolution radiographic and radio-scopic inspection of welds and castings made of light alloy, steel and other metals and heavy metals.

Radiometric and dosimetry applications.

### Features

- Direct radiating tube with double focus, 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

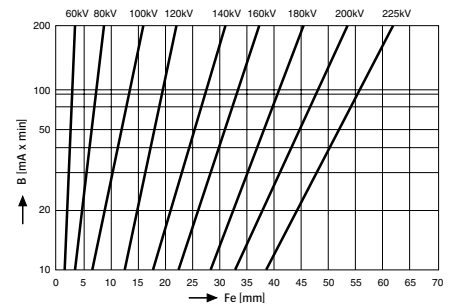
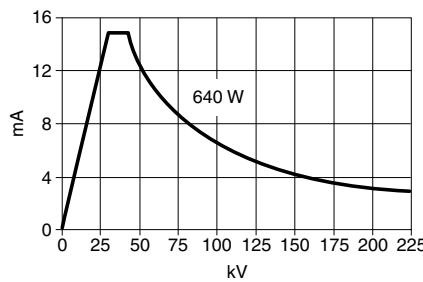
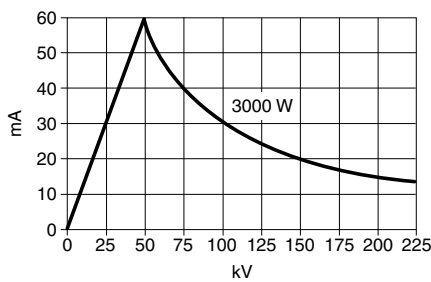
The generation of radiation in an X-ray tube solely depends on the operation values, not on the make.

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 225 M2/0.4-3.0, measured at a distance of 1 m from the focal spot, amounts to 12.93 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 < 10 mSv/h (1 rem/h).



## Technical Data

Maximum tube voltage

225 kV

Large focal spot

Small focal spot

Maximum anode dissipation

3000 W

640 W

Tube current at max. tube voltage

13 mA

3 mA

Focal spot size (EN 12 543)

5.50 mm (~ 3.0 IEC 336)

1.00 mm (~ 0.4 IEC 336)

Emergent beam angle

40°

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)

11.9 kg (26.2 lbs)

Dimensions

see drawing

