KF TUBE

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SIEMENS Healthineers

Description

This X-ray tube was developed for use in X-ray diffraction systems.

The integrated high quality tube with metal-ceramic design can provide three focal spot sizes and more than 10 anode materials for different customer applications.

Features and customer benefits

- The choice of focal spot size allows optimal adaption to customer samples
- Multiple anode materials support a wide range of material analysis
- Robust metal-ceramic design for long life under challenging environmental conditions
- High power for high speed operation

Technical Data

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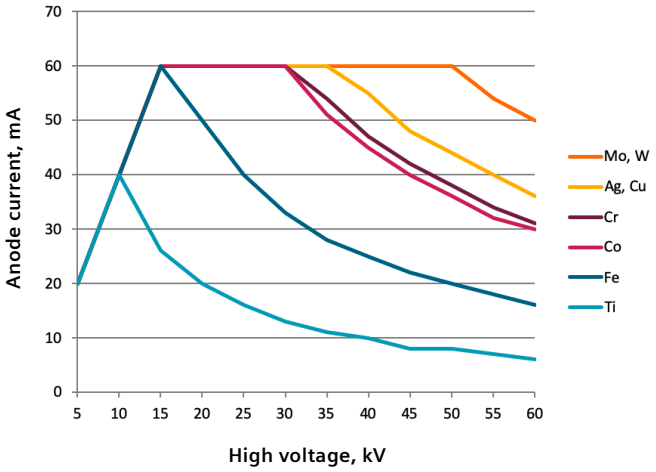
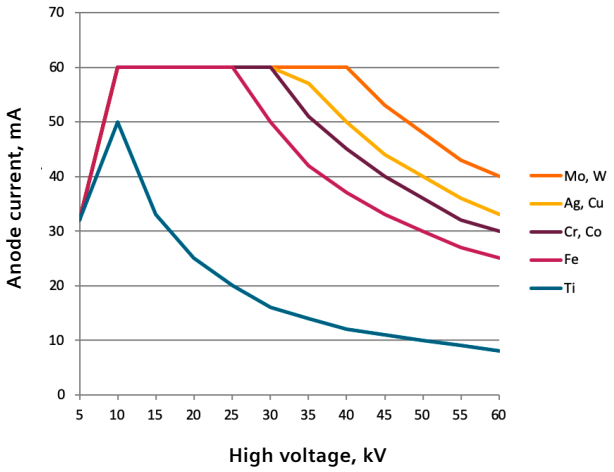
Weight (incl. cooler)	≈ 2 kg
Operating ambient temperature range	+ 5 °C to + 40 °C
Minimum cooling water flow	3.5 l/min
Maximum cooling water pressure	0.8 MPa
Water input temperature	≤ 35 °C
Maximum tube voltage	60 kV DC
Protective resistance required	min. 50 kΩ
Maximum filament current	3.8 A
Maximum filament voltage	11 V
HV connection	Compatible with Claymount CA130

Rating charts

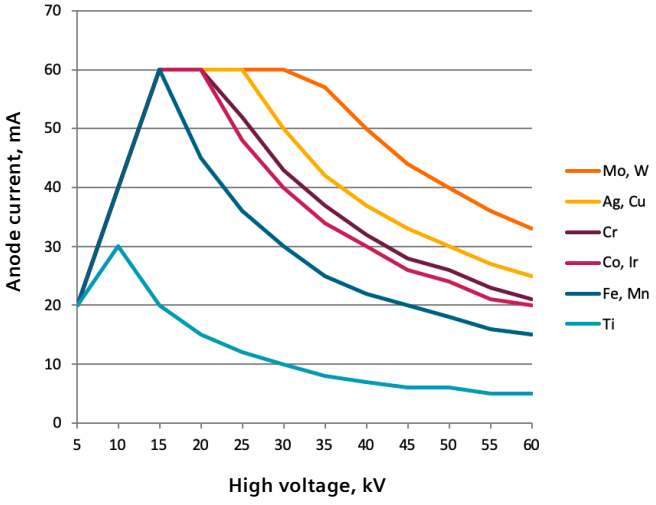
Max. anode current, mA (KFL)



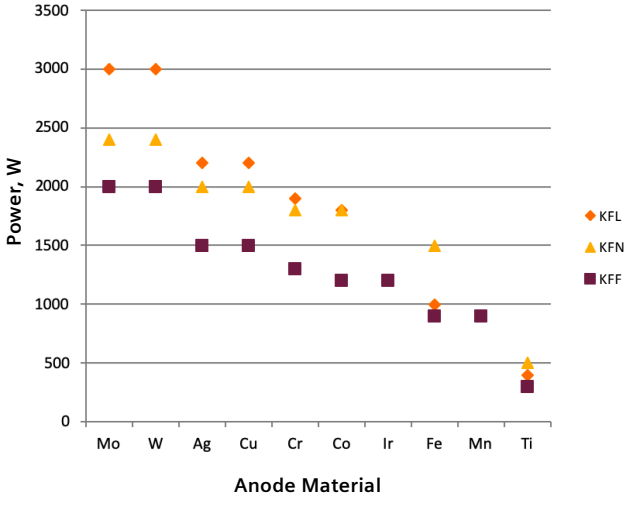
Max. anode current, mA (KFN)



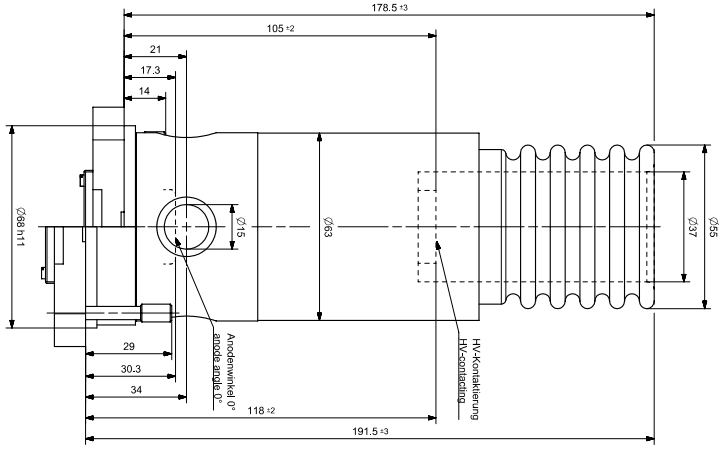
Max. anode current, mA (KFF)



Max. power for all focal spots



Dimensional drawing



Focus Type	Line Focus	Point Focus
L	0.04 mm x 12 mm	0.4 mm x 1.2 mm
F	0.04 mm x 8 mm	0.4 mm x 0.8 mm
N	0.10 mm x 10 mm	1.0 mm x 1.0 mm

Optical focuses at 6° X-ray exit angle

Dimensions are given in mm

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The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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Publisher for USA
Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard
Malvern, PA 19355
United States of America

Published by Siemens Healthcare GmbH · 10306993_DS_KF_Tube VFV E00 00, 2020-07 · PDF only · 9175 0720 · © Siemens Healthcare GmbH, 2020