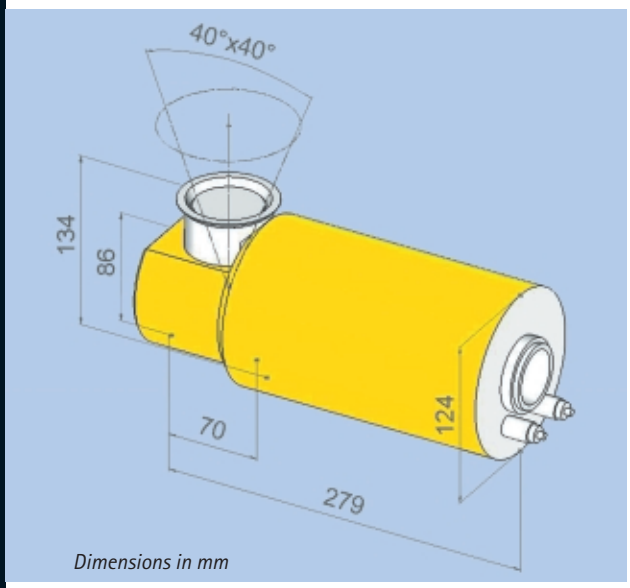
Technical Data

Y.TU 225-D03

YXLON.TU 225-D03
End Grounded Metal-Ceramic X-Ray Tube



Dimensions in mm

From plastics to light alloys and up to steel, end grounded metal-ceramic X-ray tubes from YXLON International cover a wide inspection range.

TU 225-D03 is especially suited for inspection work in confined spaces. Due to the small size of standard focus, high quality radiographs can be taken with short film-focus distance.

Providing a high level of mechanical and electrical strength YXLON X-ray tubes are both compact and lightweight.

Together with the YXLON generators, power supplies and control units the X-ray tubes form powerful systems, setting the standards in reliability, lifecycle and service.

YXLON. The reason why.

- High Penetration Power
- Long Lifecycle
- High Reliability
- Extensive Service

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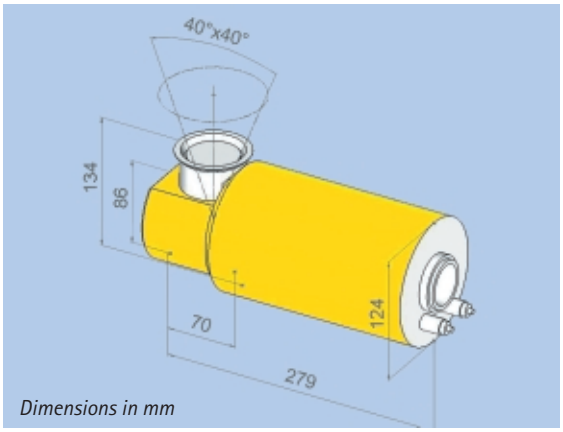
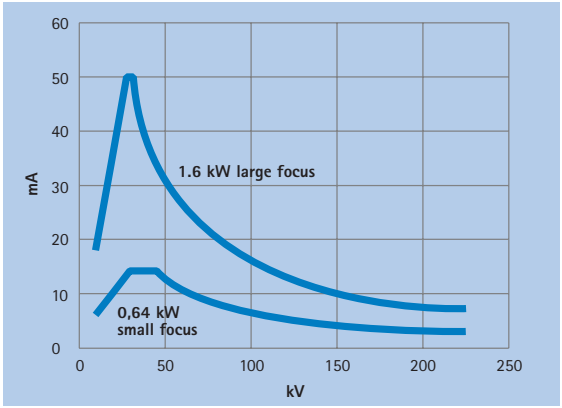


Dimensions in mm



Loading data: shown are the max. permissible anode currents. Within the X-ray system these anode currents may be limited by power suppliers or generators.

Max. tube voltage	225 kV
Focal spot size	
(acc. EN12543)	1.0 mm / 3.0 mm
(acc. IEC336)	0.4 / 1.5
Max. power	
(small / large focus)	0.64 kW / 1.6 kW
Max. tube current at 160 kV	2.8 mA / 7.0 mA
Emergent beam angle	40 °
Inherent filtration[1]	0.8 mm Be + 4 mm Al
Leakage radiation[2]	< 5.0 mSv/h
Coolant	Water
Max. inlet temperature	45 °C
Min. flow rate	4 l/min
Enviromental Conditions	
Operation temperature	-10 °C...+40°C
Storage temperature	-25 °C...+70°C
Relative humidity	
- Operation	90 %
- Storage	95 %
Weight	11 kg
H.V. connection	Flange R12
Approval	PTB
Order No.	9421 172 31303

[1] Al-filter removable by using tools;
Al-filter acc. DIN 54113 and SSI FS1989:2

[2] Measured at 1.0 m distance from the focal spot with X-ray port closed and X-ray tube operating at full load.

Data subject to change without notice. Printed in Germany. 9499.211.148.10FA01

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