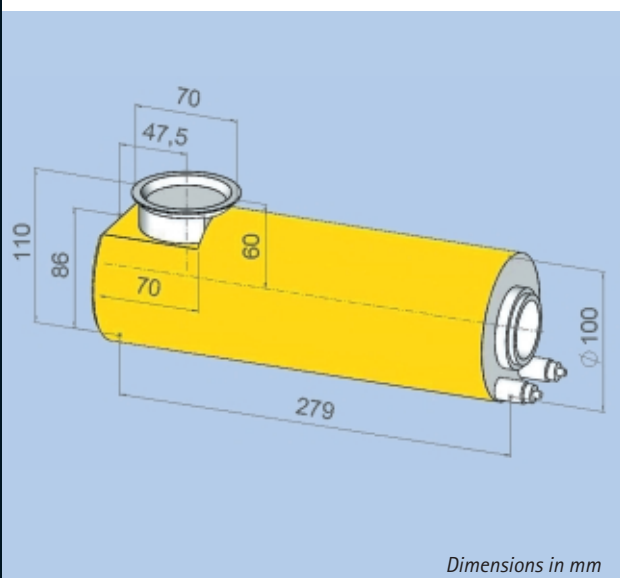




YXLON.TU 160-D05

End Grounded Metal-Ceramic X-Ray Tube



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 160-D05 is especially suited for radioscapy applications.

Unlike conventional tubes, the high penetration power on a small focal spot leads to an improvement in contrast of the X-ray image and to an increase in material penetration.

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.

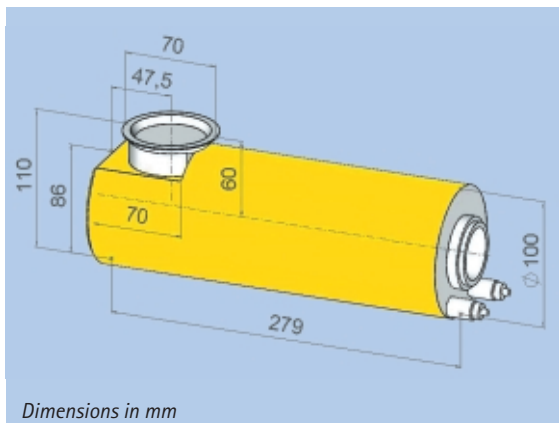
YXLON. The reason why.

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

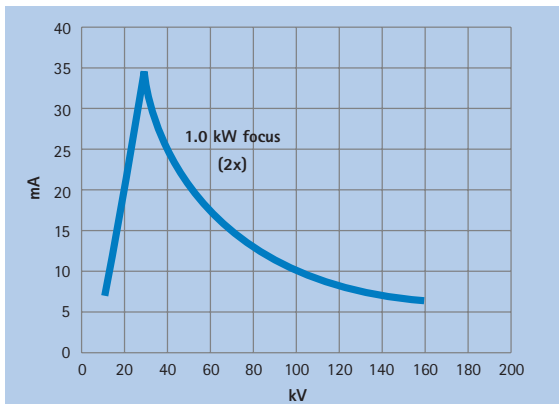
Y.TU 160-D05

Technical Data

Y.TU 160-D05



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	160 kV
Focal spot size (acc. EN12543) (acc. IEC336)	1.0 mm / 1.0 mm 0.4 / 0.4
Max. power (small / large focus)	1.0 kW / 1.0 kW
Max. tube current at 160 kV	6.25 mA
Emergent beam angle	40 °
Inherent filtration¹	0.8 mm Be + 3 mm Al
Leakage radiation²	< 2.5 mSv/h
Coolant	Water
Max. inlet temperature	45 °C
Min. flow rate	4 l/min
Environmental Conditions	
Operation temperature	-10 °C...+40°C
Storage temperature	-25 °C...+70°C
Relative humidity	
- Operation	90 %
- Storage	95 %
Weight	8 kg
H.V. connection³	Flange R12
Approval	PTB
Order No.	9421 172 30453

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.

³ Quick-lock adapter available