



## Advanced Technical Products & Services

P.O. Box 424  
Douglassville, PA 19518  
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### XRD 1000 Series Normal Focus X-Ray Diffraction Tubes Spec Sheet

#### Technical Data:

Thermal Focus	1.0 x 10 mm	Nominal voltage	60 kV, max.
Line focus (viewed at 6° takeoff angle)	0.1 x 10 mm	Filament voltage	9 V
Point focus (viewed at 6° takeoff angle)	1.0 x 1.0 mm	Filament current	3.6 A, max.

#### Tube Power:

for Mo, W	2400 W
for Cu, Ag	2000 W
for Co, Cr	1800 W
for Fe	1500 W

#### Cooling Requirements:

Min. Water Flow	3.5 l/min
Max. Water Temp.	35° C
Max. Water Pressure	0.8 MPa

**Inherent Filtration:** 300 µm Be Window

#### Ordering Information:

Part Number	Description	Part Number	Description
XRD 60 10 CUS	XRD 60-10 Cu S Copper target, short anode	XRD 60 10 CUL	XRD 60-10 Cu L Copper target, long anode
XRD 60 10 WS	XRD 60-10 W S Tungsten target, short anode	XRD 60 10 WL	XRD 60-10 W L Tungsten target, long anode
XRD 60 10 MOS	XRD 60-10 Mo S Moly target, short anode	XRD 60 10 MOL	XRD 60-10 Mo L Moly target, Long anode
XRD 60 10 CRS	XRD 60-10 Cr S Chrome target, short anode	XRD 60 10 CRL	XRD 60-10 Cr L Chrome target, Long anode
XRD 60 10 COS	XRD 60-10 Co S Cobalt target, short anode	XRD 60 10 COL	XRD 60-10 Co L Cobalt target, Long anode
XRD 60 10 FES	XRD 60-10 Fe S Iron target, short anode	XRD 60 10 FEL	XRD 60-10 Fe L Iron target, Long anode
XRD 60 10 AGS	XRD 60-10 Ag S Silver target, short anode	XRD 60 10 AGL	XRD 60-10 Ag L Silver target, Long anode

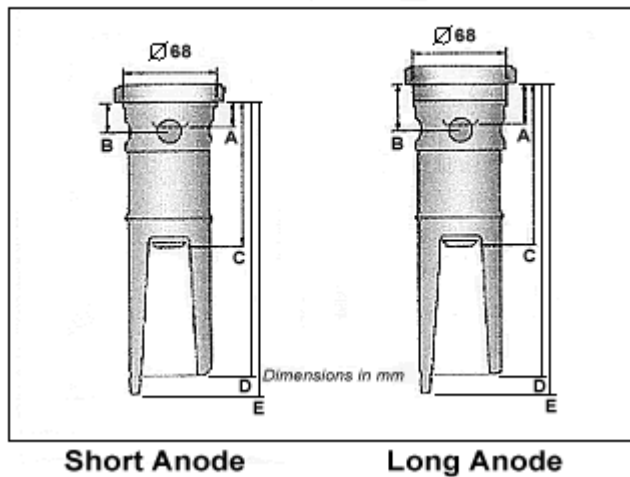


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#### Dimensions



Dimension	Short Anode	Long Anode
A	17.3 mm	30.1 mm
B	21 mm	34 mm
C	105 mm	118 mm
D	194 mm	207 mm
E	213 mm	226 mm

#### 100% Replacement Warranty

In the unlikely event that an XRD 1000 tube should fail due to material or workmanship within the first twelve months or 2500 hours of operation, whichever occurs first, the XRD tube will be replaced.