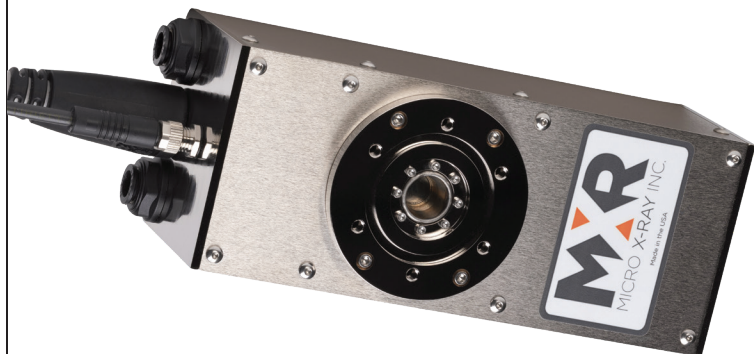


Our **SeeRay X-Ray Tube** series is designed with a built-in cooling system and includes customizable high voltage and low voltage cables and coolant tubing for simple integration.

Features include:

- **Power density up to 1.5W/ μ m spot size** with diamond-coated anode and direct water cooling.
- **Power up to 60kV and 100W.**
- **Ultra-fast spot stabilization time.**

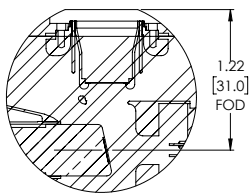
**This product has partial radiation shielding.*



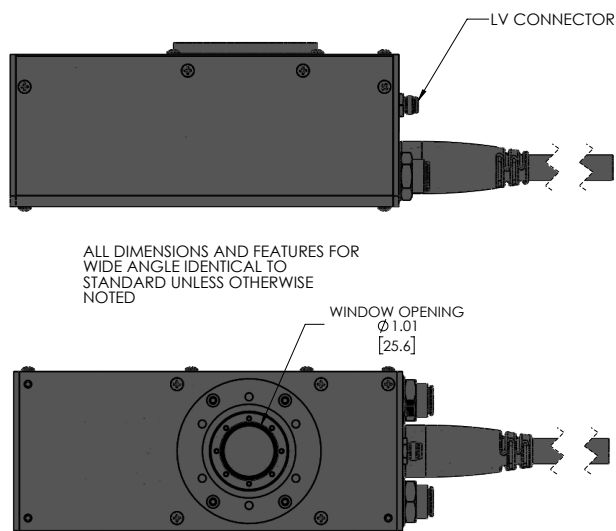
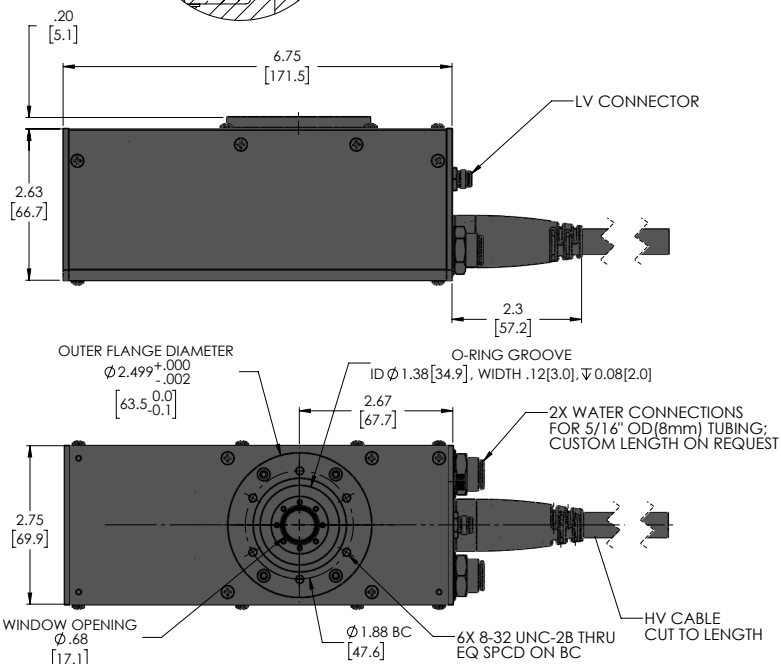
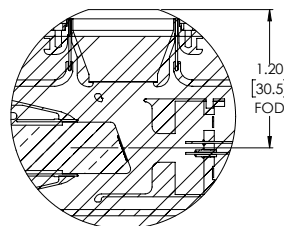
STANDARD

WIDE ANGLE

DETAIL A
SCALE 2 : 1.5



DETAIL B
SCALE 2 : 1.5



SPECIFICATIONS

Polarity	Grounded Cathode
Flange Type	(6) 8-32 thread
Max. Voltage	60kV ¹
Max. Power	100W ¹
Max. Filament Current	1.7A, 2.0A ²
Anode Current	2mA ³
Window Thickness	127µm ⁴
Beam Angle	25°, 40°
Focal Spot	50µm-1000µm ±50% (IEC 60336)
Target Materials	Cu, W
Flow Rate	0.79 Gal/min (3 L/min) ⁴
Coolant	Recommended: DI Water, Ethylene Glycol 30%, Benzotiazole 1%
Max. Coolant Temp.	21°C ⁴
Max. Pressure	190PSI
Weight	3.5lbs (1.59kg)
Safety	Thermal Switch at 70°C (internal)
Water Connection Tube	Custom on request

¹ Refer to Figures 1 and 2 to determine optimal operational parameters (Data can vary for custom models).

² Information about 2.0A filament option can be found at <https://microxray.com>.

³ Other anode current options available.

⁴ More options available upon request.

GENERAL

The customer is responsible for controlling the high voltage and filament current and designing the cooling system. Selecting an appropriate power supply is crucial to protect the X-ray tube from overcurrent and overvoltage. Sufficient cooling is required when operating the X-ray tube. Failure to do so may damage the tube and radiation protection, posing a hazard.

RADIATION PROTECTION

The customer is responsible for radiation protection and must ensure compliance with local regulatory requirements and limit values.



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FIGURE 1 - 50kV, 50W

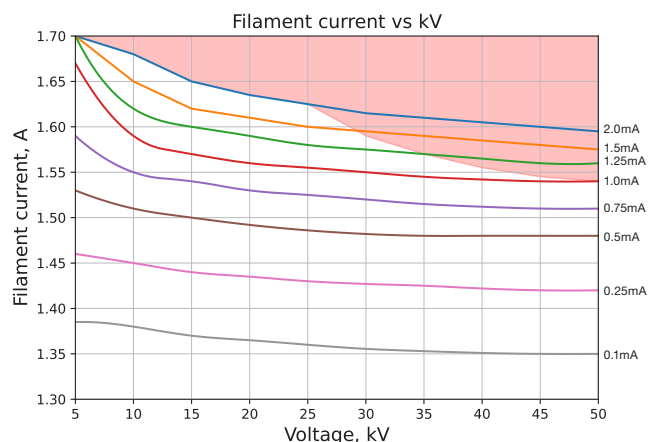


FIGURE 2 - 50kV, 100W

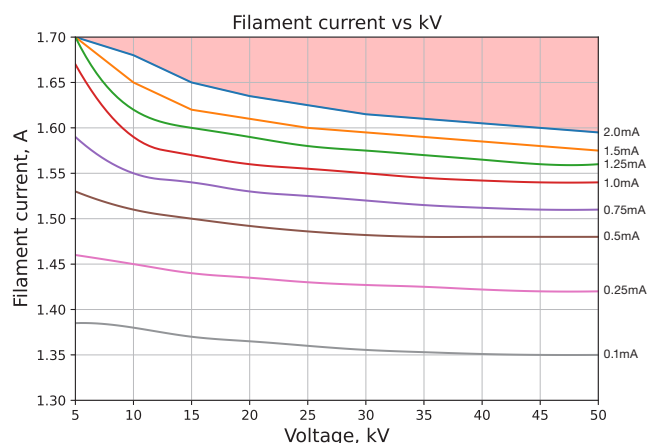


FIGURE 3

