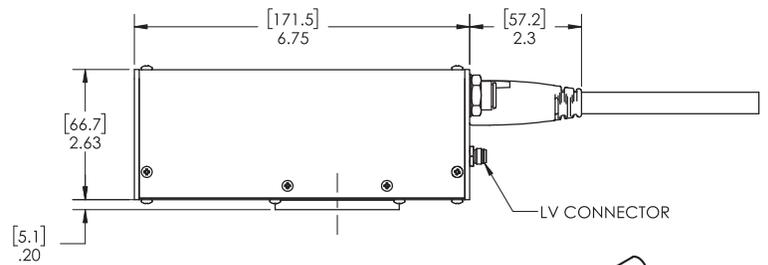
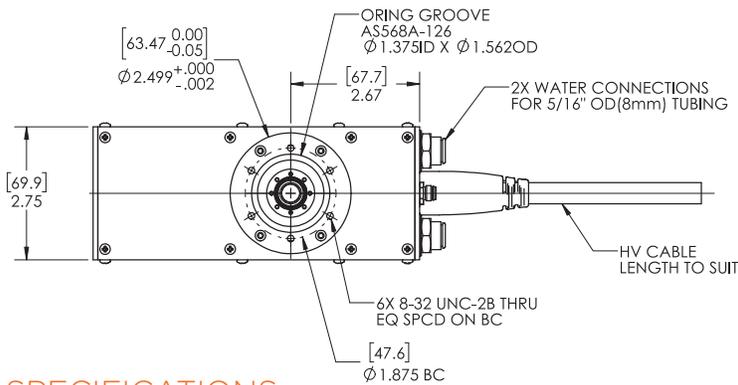




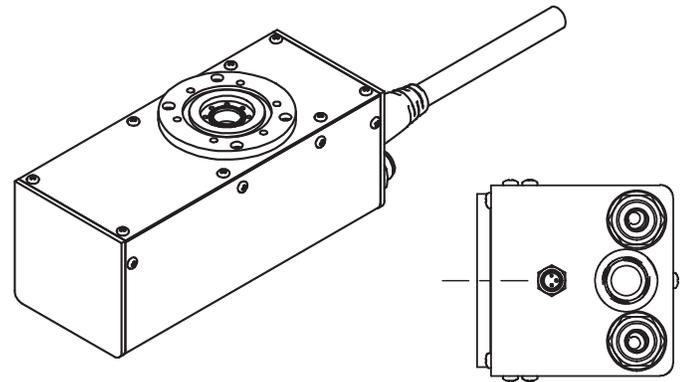
Our SeeRay series is designed with a diamond anode and direct anode water cooling which enables power densities up to 1.5W/ $\mu\text{m}$ , power up to 100W, and ultra-fast spot stabilization time. The SeeRay is fully radiation shielded, high voltage isolated, and includes both high voltage and low voltage cables.



## SPECIFICATIONS

Polarity	Grounded Cathode
Flange Type	(6) 8-32 thread
High Voltage Range	4-60 kV <sup>1</sup>
Anode Current	1-3mA <sup>1</sup>
Continuous Rating	50-100 W <sup>1</sup>
Focal Spot	50 $\mu\text{m}$ , 100 $\mu\text{m}$
Filament Current, max.	1.7 A
Filament Voltage, (nominal)	2.5 V
Flow Rate - Water	0.79 gallon/min (3 liters/min)
Inlet Water Temperature, max.	21°C
Stabilization Time	< 5 minutes
Weight	3.5 lbs (1.59 kg)
Inherent Filtration	0.005 inch Be
Target Materials	Cu, W Others available on request
Target Angle	20°
Radiation Coverage	26°
Radiation Leakage	<2 $\mu\text{Sv/hr}$ @ 50 mm (60 kV, 1 mA)

<sup>1</sup> Interrelationship between voltage, current and power will affect specs



## GENERAL

Control of high voltage and filament current, as well as the design of the cooling system and the radiation protection, are the responsibility of the customer. Careful selection of power supply should ensure that the X-Ray tube will be protected against overcurrent and overvoltage. Otherwise the tube and/or the radiation protection may be damaged and become a hazard.

## RADIATION PROTECTION

When installing the X-ray tube assembly into X-ray equipment and/or operating X-ray equipment, the responsibility for radiation protection from the X-ray window is with the user. Compliance with local regulatory requirements and limit values must be assured.