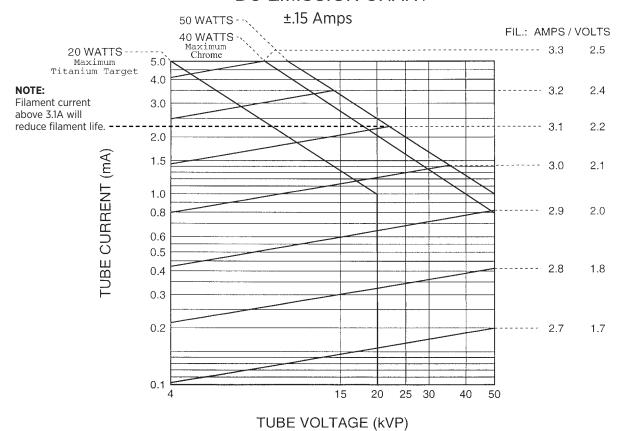


### Industrial X-Ray Tube

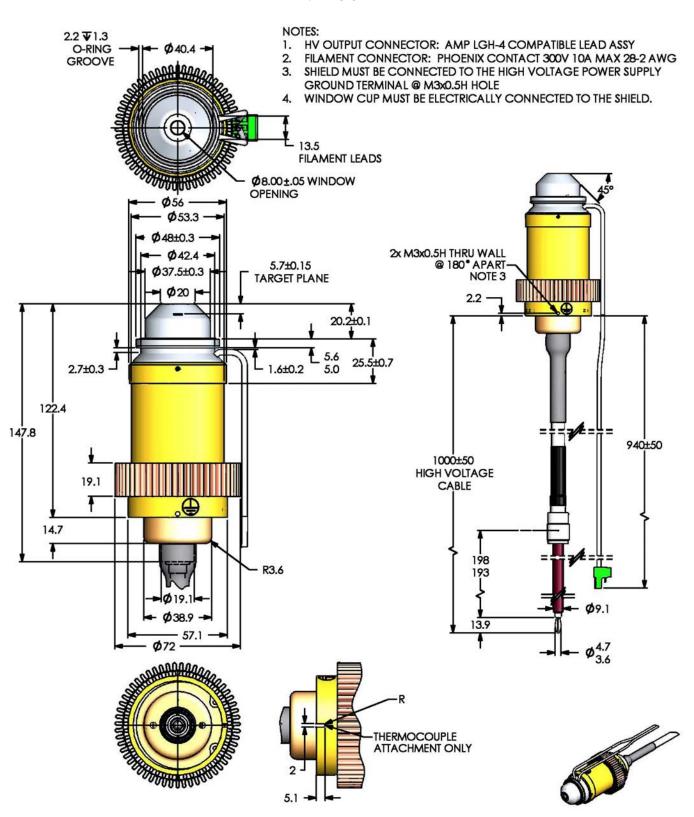
<u>Specification</u> Envelope	
Envelope	Ceramic
Be Window	50 µm (0.002") Thick
Anode	$\dots$ Copper body with the target material attached
	(RH), Palladium (PD), Tungsten (W), Titanium (TI), Moly (MO), Copper (CU), Silver (AG), Chrome (CR)
Target Angle	90° from the central ray
Focal Spot Typical	
Maximum Anode Dissipation with 10 cfm forced	air cooling 50 Watts Titanium - 20 Watts Chrome - 40 Watts
Filament Characteristics	3.3 Amps and 2.5 Volts maximum
Maximum Anode Potential	50 kVp Maximum D.C. (Titanium - 20 kV)
Maximum Tube Current	Refer to Emission and Rating Chart
Cooling Method	Forced air convection
Weight	

### DC EMISSION CHART



**Tube Outline Drawing** 

## VF-50K

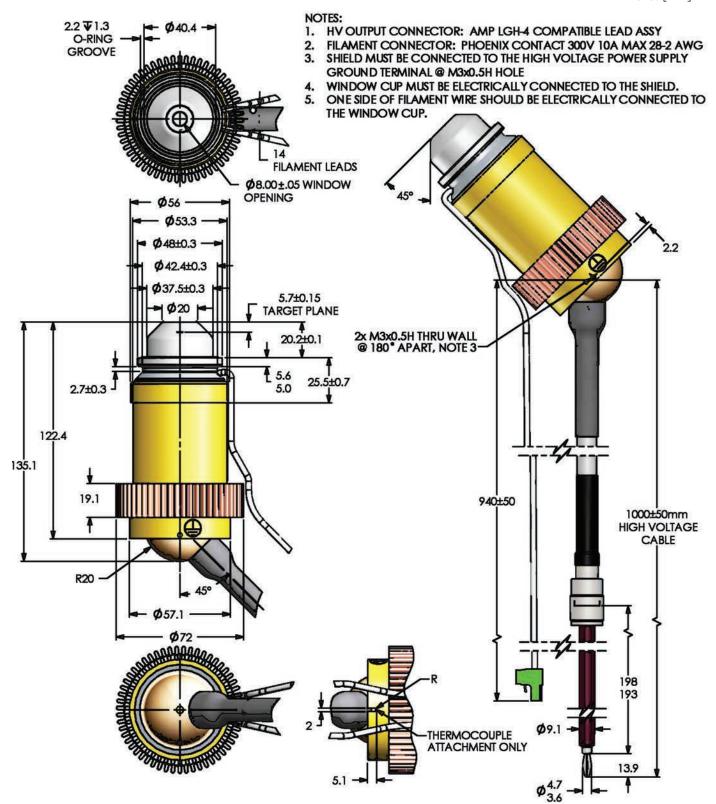




### **Tube Outline Drawing**

VF-50K - 45°

Dimensions are for reference only Inches [mm]

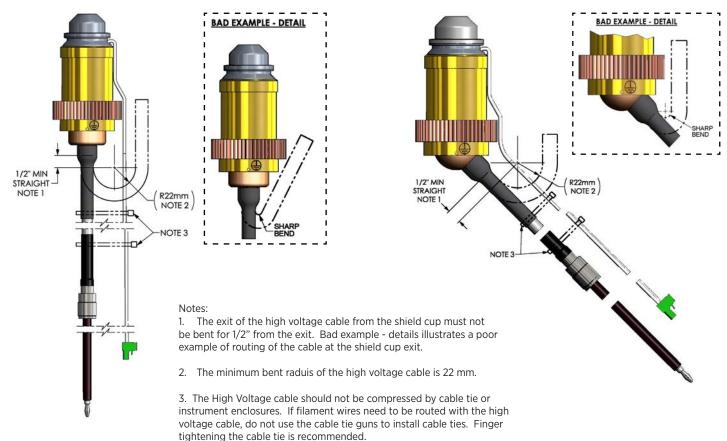




#### Cable Routing Instructions



# Cable Routing Instructions for 45 Degree



# **Warning**

Beryllium windows transmit a very high level of long wavelength X-radiation, which can injure human tissue. Injury may occur from even very short exposures to the primary X-ray beam. Follow all precautions necessary to avoid radiation exposure to humans.

The radiation dose rate cannot be accurately measured with conventional radiation measurement instruments. Radiation intensity in each installation will vary, and calibration must include the effects of long wavelength X-radiation.

Fumes from beryllium metal (or its compounds) as well as dust can be hazardous if inhaled. During use, corrosion products may occur on the beryllium window, but these should not be scraped off, machined, or otherwise removed. Tube unit disposal should conform to federal, state, and local regulations governing beryllium.



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Specifications subject to change without notice.