

Cryogenic Voltage Break

Requesting Company: _____

Date: _____

1. **DC Voltage (kV) or AC Voltage (kV_{rms})** _____
2. **Operating Temperature**
 - a. **HV: Flange A** _____
 - b. **GND: Flange B** _____
3. **Anticipated Number of Thermal Cycles** _____
4. **Radiation Dose (MGy)** _____
5. **External Specifications**
 - a. Gas/Liquid Species (air, vac., GHe, GN2, LHe, LN2, LCH4, etc.) _____
 - b. Gas/Liquid Pressure (MPa) _____
6. **Internal Specifications**
 - a. Gas/Liquid Species (air, vac., GHe, GN2, LHe, LN2, LCH4, etc.) _____
 - b. Gas/Liquid Pressure (MPa) _____
7. **Forces/Loading** (per drawing)
 - a. Location (Flange A, Flange B, etc.) _____
 - b. Direction/Type (tension, compression, torsion, etc.) _____
 - c. Magnitude (N) _____
8. **Geometrical Constraints** (per drawing):
 - a. Overall Length (mm) _____
 - b. Inner Diameter (mm) _____
 - c. Max Outer Diameter (mm) _____
9. **Flanges** (per drawing)
 - a. HV: Flange A
 - i. Type (Fixed/Rotatable Conflat, ISO, KF, etc.) _____
 - ii. Material (Al, 304SS, 316SS, Brass, etc.) _____
 - b. GND: Flange B
 - i. Type (Fixed/Rotatable Conflat, ISO, KF, etc.) _____
 - ii. Material (Al, 304SS, 316SS, Brass, etc.) _____

