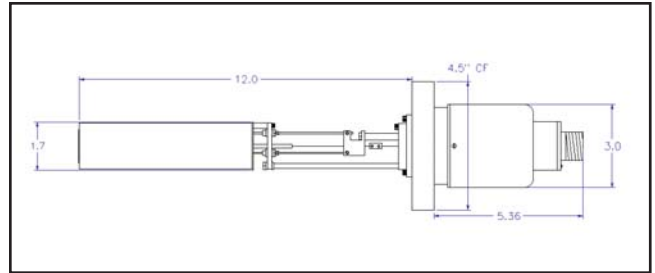


High Temperature Effusion Cell SVT-A HT Series



Features

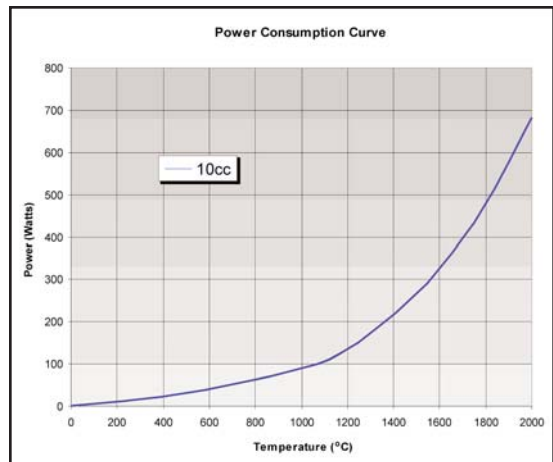
- Designed for Optimal Performance up to 2000 °C in UHV
- Stable Fluxes for Low Vapor Pressure Materials
- Wide Range of Sizes & Crucibles



Schematic Drawing of High Temperature Effusion Cells. Dimensions are give in Inches.

Description

SVT-A HT Series is the definitive choice for low vapor pressure materials. The source is designed to operate in an UHV environment at temperatures up to 2000 °C. Models are available for mounting on a 4.50" CF flange. **SVT-A's** high temperature effusion cells are thoroughly tested and characterized before shipment. Water cooling shrouds and integral shutters are optional for 4.50" CF flange or larger.



Typical power consumption for 10cc High Temperature cell.

Specifications

Temperature Range.....0°C - 2000°C
Power Requirement.....1 kW
Temperature Stability.....± 0.1 °C
Temperature Reproducibility.....± 0.1 °C
Thermocouple Type.....Type C
 (Type D Available)
Crucible Size.....10cc Tapered
Standard Length.....*12.0"
Mounting Flange.....4.50" CFF
Electrical Connectors.....Filament: Amphenol Circular
 T/C: Omega Submini

Model	Crucible (cc)
SVTA-HT-10CC	10cc, PBN
SVTA-HT-10CC-PG	10cc, Pyrolytic Graphite
SVTA-HT-10CC-W	10cc, Tungsten
SVTA-HT-10CC-BeO	10cc, BeO

- * Contact SVTA for Custom In-Vacuum Lengths.
- * Other Crucible Materials are Available.