

High Temperature Effusion Cell – HT Series

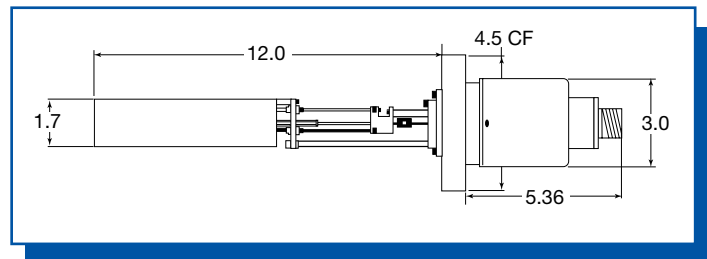


Description

SVT Associates 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 2,000 °C. Models are available for mounting on a 4.50" CF flange. SVT Associates 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.

Features

- Designed for Optimal Performance up to 2,000 °C
- Stable Fluxes for Low Vapor Pressure Materials
- Wide Range of Sizes and Crucibles Available



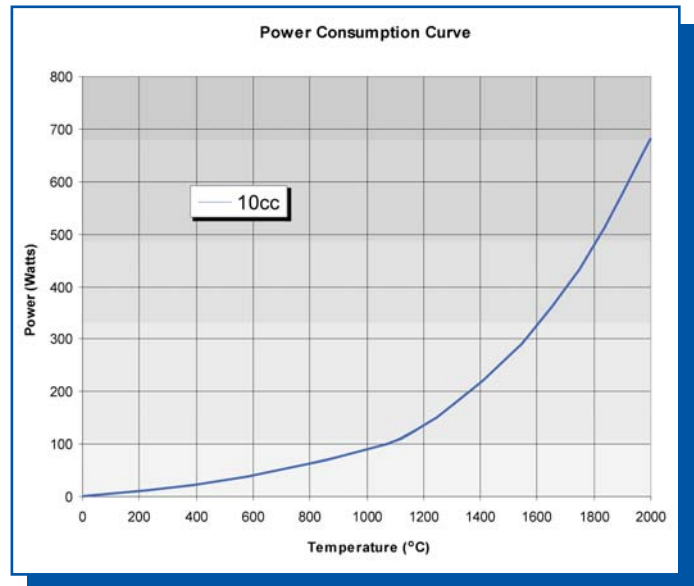
Schematic drawing of High Temperature Effusion Cells. Dimensions are given in inches.

Specifications

Temperature Range	0 °C – 1,800 °C 2,000 °C Model Available
Power Requirement	1kW
Temperature Stability	+/- 0.1 °C
Temperature Reproducibility	+/- 0.1 °C
Thermocouple Type	Type C (Type D Available)
Crucible Size	10 cc Tapered 16 cc Tapered
Standard Length	*12.0"
Mounting Flange	4.50" OD – CF
Electrical Connectors	Filament: Amphenol Circular Thermocouples: Omega-Sub-Miniature

*Contact SVT Associates for custom in-vacuum lengths.

*Other crucible materials are available.



Typical power consumption of the 10 cc High Temperature Cell.

Models	Maximum Temperature	Capacity
SVTA-HT-10-1800	1,800 °C	10 cc
SVTA-HT-10-2000	2,000 °C	10 cc
SVTA-HT-16-1800	1,800 °C	16 cc
SVTA-HT-16-2000	2,000 °C	16 cc

