

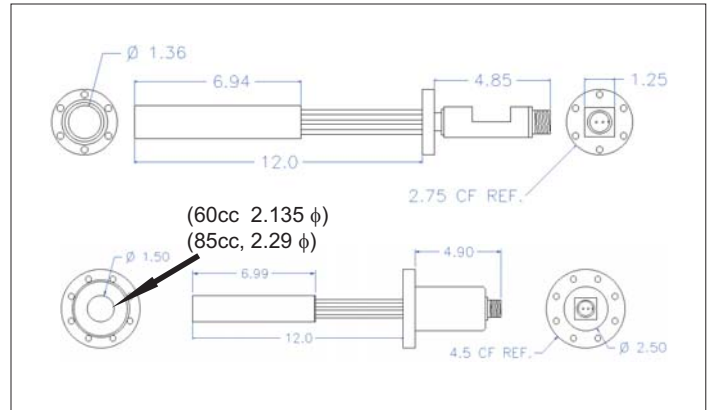
Single Filament Effusion Cell

SVT-A SF Series



Features & Options

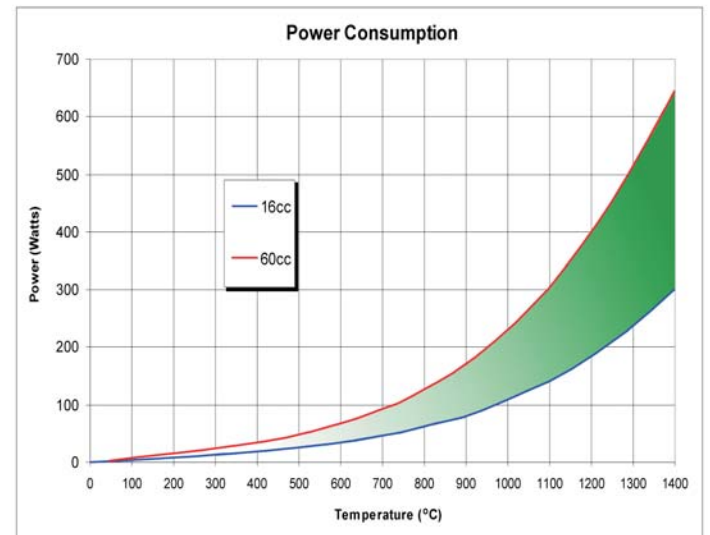
- High Performance Components
- Wide Range of Accessories
- Integral Water Cooling and Shutters
- Sturdy All Tantalum and PBN Hot Zone



Schematic Drawing of Single Filament Effusion Cells. Dimensions are given in Inches.

Description

SVT-A SF Series is the perfect choice for a general purpose source heater for Germanium and related materials. Its single filament design heats the crucible uniformly for evaporation of materials. Models are available for mounting on a 2.75" or larger CF flange. SVT-A 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 of 16cc - 60cc Single Filament Cell.

Specifications

Temperature Range.....0°C - 1400°C
 Power Requirement.....600 W or 1kW
 Temperature Stability.....+/- 0.1 °C
 Temperature Reproducibility.....+/- 0.1 °C
 Thermocouple Type.....Type C
 (Type D Available)

Crucible Size.....16cc, 20cc, 22cc, 40cc, 50cc, 60cc, 85cc
 16cc and 22cc Crucibles have Tapered Wall for Best Uniformity (PBN Crucible)

Standard Length.....*12.0"
 Mounting Flange.....2.75" or 4.50" OD - CF
 Electrical Connectors.....Filament: Amphenol Circular
 T/C: Omega Submini

Models	Flange Size (CFF)	Crucible (cc)
SVTA-SF-16-275	2.75"	16
SVTA-SF-16-450	4.50"	16
SVTA-SF-20-275	2.75"	20
SVTA-SF-20-450	4.50"	20
SVTA-SF-22-275	2.75"	22
SVTA-SF-22-450	4.50"	22
SVTA-SF-40-275	2.75"	40
SVTA-SF-40-450	4.50"	40
SVTA-SF-60-450	4.50"	60
SVTA-SF-85-450	4.50"	85

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