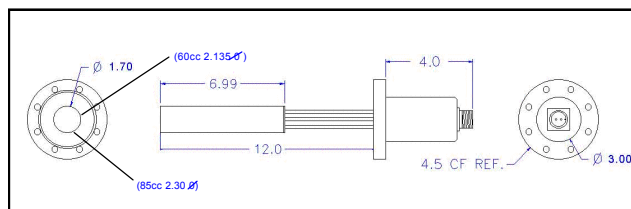
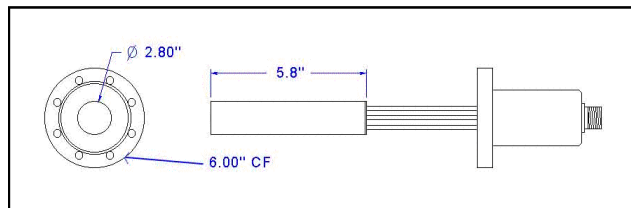


Dual Filament Effusion Cell SVT-A DF Series



Features

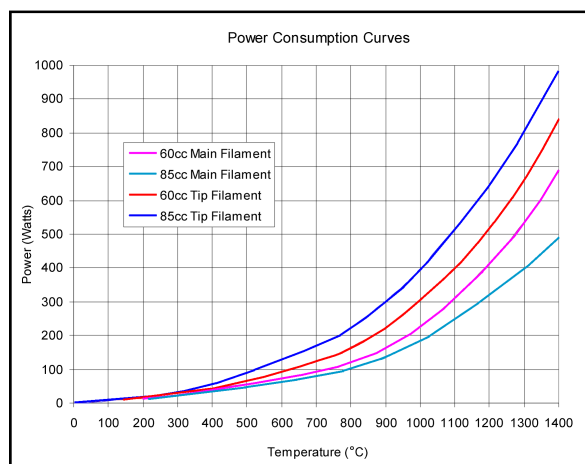
- Excellent Source for Ga and In
- Two Independent Filaments for Complete Temperature Control
- Wide Range of Sizes Available
- Compatible with any MBE System



Schematic Drawing of Dual Filament Effusion Cells.
Dimensions are in Inches

Description

SVT-A DF Series is designed for use with Ga and In. Two Independently controlled filaments offer the user greater freedom to grow optimal materials. This source is available for mounting on a 4.50" or larger CF flange. SVTA's effusion cell's are thoroughly tested and characterized before shipment.



Typical power consumption for 60cc and 85cc Dual 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, 60cc, 85cc, 150cc
 16cc and 22cc Crucibles have
 Tapered Wall for Best Uniformity
 (PBN Crucible)
Standard Length.....*12.0"
Mounting Flange.....4.50" OD - CF
Electrical Connectors.....Filament: Amphenol Circular
 T/C: Omega Submini

Model	Flange Size (CFF)	Crucible (cc)
SVTA-DF-16-450	4.50"	16
SVTA-DF-20-450	4.50"	20
SVTA-DF-22-450	4.50"	22
SVTA-DF-40-450	4.50"	40
SVTA-DF-60-450	4.50"	60
SVTA-DF-85-450	4.50"	85
SVTA-DF-85-462	4.62"	85
SVTA-DF-150-600	6.00"	150

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