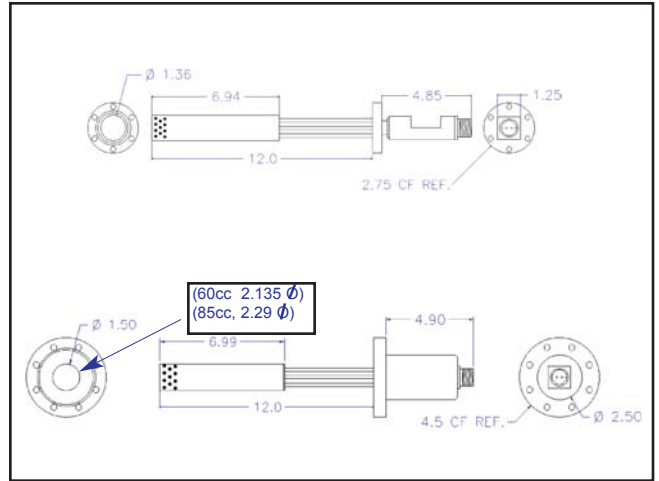


Cold-Lip Effusion Cell SVT-A CL Series



Features

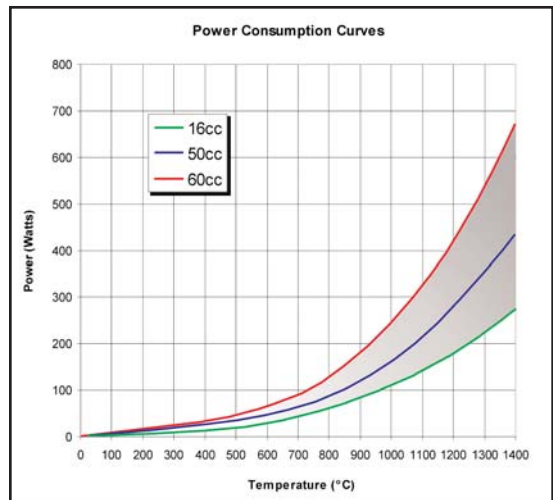
- For III-V MBE System
- Excellent Source for Al
- “Cold-Lip” Style Filament Design
- Wide Range of Sizes Available



Schematic Drawing of Cold-Lip Effusion Cells.
Dimensions are give in Inches.

Description

SVT-A CL Series is used when depositing materials such as Aluminum. The cold-lip prevents Aluminum from wetting and overflowing the crucible and damaging the cell during evaporation. Models are available for mounting on a 2.75” or larger CF Flange. **SVT-A** also offers a cold lip source (SVTA-450XX-WCL) with water cooling in the lip region for use in an UHV Ammonia environment. This source is available for mounting on a 4.50” or larger CF Flange. Water cooling shrouds and integral shutters are optional for 4.50” CF flange or larger.



Typical power consumption for 16cc - 60cc Cold-Lip 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

Model	Flange Size (CF)	Crucible (cc)
SVTA-CL-16-275	2.75"	16
SVTA-CL-16-450	4.50"	16
SVTA-CL-20-275	2.75"	20
SVTA-CL-20-450	4.50"	20
SVTA-CL-22-275	2.75"	22
SVTA-CL-22-450	4.50"	22
SVTA-CL-40-275	2.75"	40
SVTA-CL-40-450	4.50"	40
SVTA-CL-50-450	4.50"	50
SVTA-CL-60-450	4.50"	60
SVTA-CL-85-450	4.50"	85

* Contact SVTA for Custom In-Vacuum Lengths.

* Other Crucible Materials are Available.