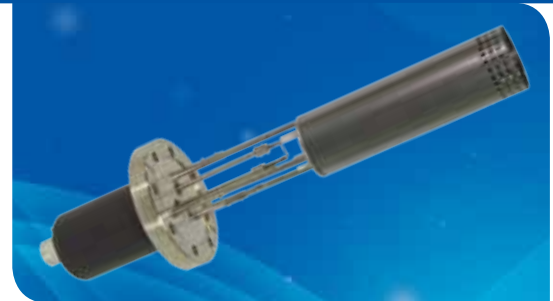


Cold-Lip Effusion Cell – CL Series

Description

SVT Associates CL Series is used when depositing Aluminum. The cold-lip prevents Aluminum from wetting the crucible and damaging the cell during evaporation. Models are available for mounting on a 2.75" or larger CF Flange. SVT Associates also offers a cold lip source 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.

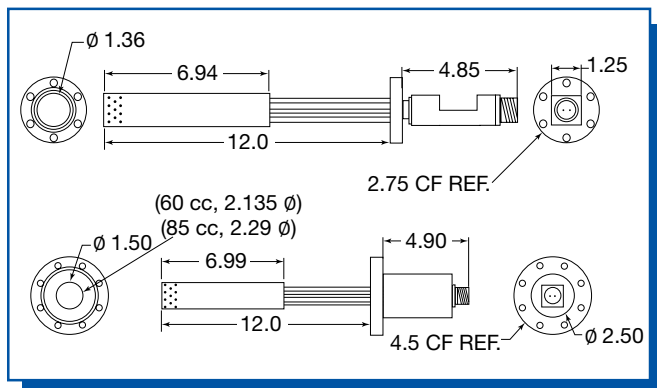


Specifications

Temperature Range	0 °C – 1,400 °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	16 cc, 20 cc, 22 cc, 40 cc, 50 cc, 60 cc, 85 cc 16 cc and 22 cc 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

*Contact SVT Associates for custom in-vacuum lengths.

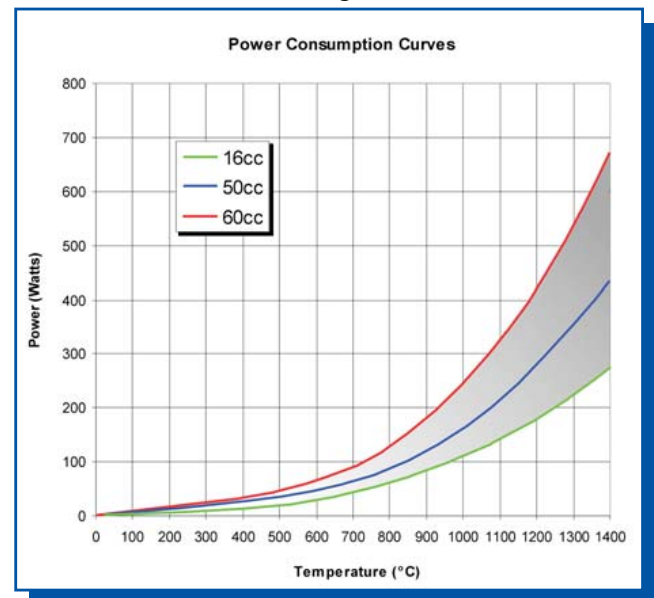
*Other crucible materials are available.



Schematic drawing of Cold Lip Effusion Cells
Dimensions are given in Inches.

Features

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



Typical power consumption of
16 cc – 60 cc Cold-Lip Cells.

Models	Flange Size (CFF)	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

