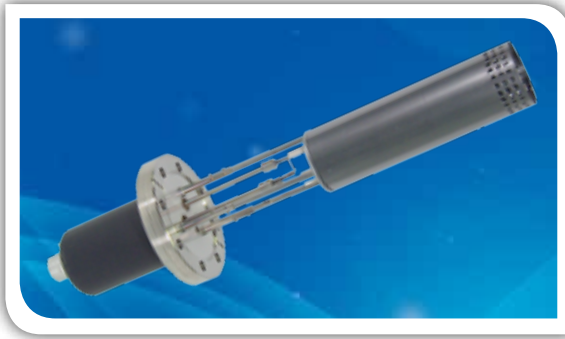


# Cold-Lip Effusion Cell – CL Series

Engines for Thin Film Innovation

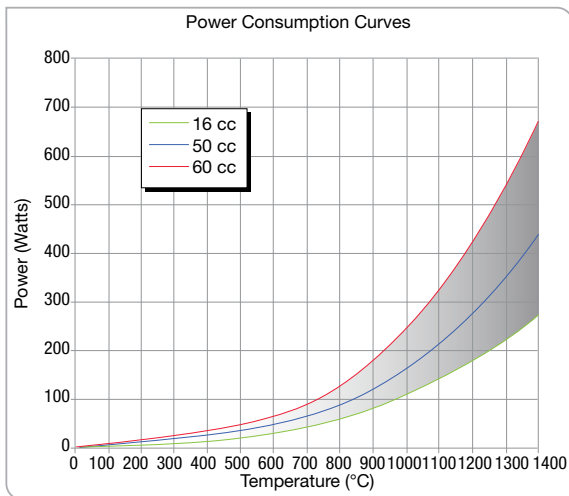


## Description

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.

## Features

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



## Specifications

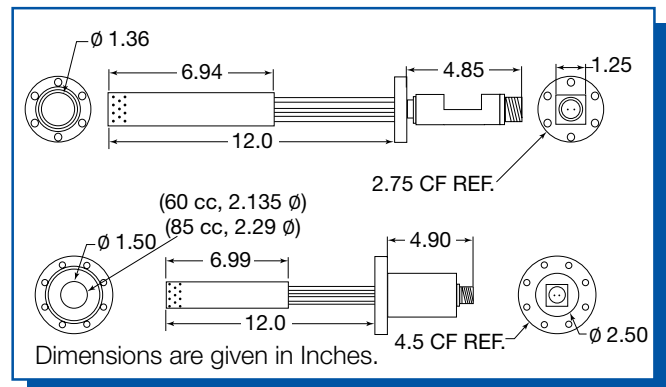
Temperature Range	0 °C – 1,400 °C
Power Requirement	600 W or 1kW
Temperature Stability	+/- 0.1 °C
Temperature Reproducibility	+/- 0.1 °C
Thermocouple Type	Type C (Type D Available)
Crucible Size*	16 cc, 20 cc, 22 cc, 40 cc, 50 cc, 60 cc, 85 cc Crucibles have tapered wall for best coverage.
Materials*	PBN and Aluminum Oxide
Standard Length*	12.0"
Mounting Flange	2.75", 4.50" or 6.0" OD – CF
Electrical Connectors	Filament: Amphenol Circular T/C: Omega Submini

\*Other sizes, materials, and lengths are available, contact SVT Associates for details.

## SVTA-CL-(Crucible Size)-(Flange Size)

Flange Size	2.75"	4.50"	6.00"
Crucible Size	6 cc	16 cc	16 cc
	10 cc	20 cc	20 cc
	16 cc	22 cc	22 cc
	20 cc	40 cc	40 cc
	22 cc	50 cc	50 cc
	40 cc	60 cc	60 cc
		80 cc	80 cc
		85 cc	85 cc

Larger sizes available for the 6.00" flange size, contact SVT Associates for details.



Schematic drawing of Cold-Lip Effusion Cells