

Dopant Effusion Cell – D Series



Description

SVT Associates D Series is designed to evaporate a smaller quantity of materials, such as Silicon and Beryllium. Models are available for mounting on either a 2.75" or 4.50" OD CF. All cells are thoroughly tested and characterized before shipment. Water cooling shroud and integral shutter are optional for 4.50" CF flange or larger. Because of its small size it is ideally suited for dopant applications.

Features

- Excellent Choice for Dopant Applications
- Provides Excellent Incorporation
- Integral Cooling Shroud and Shutter

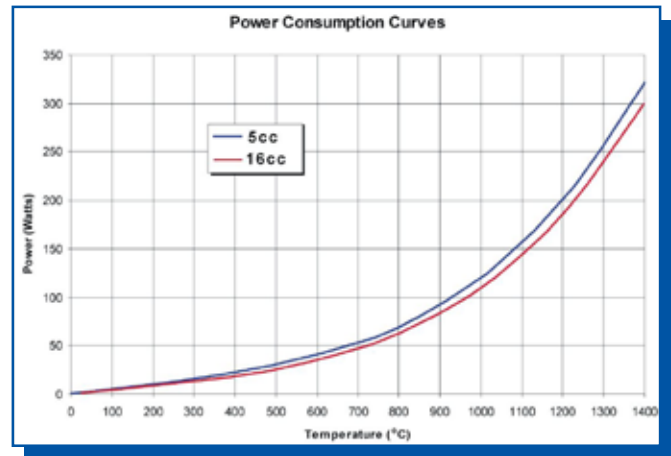
Specifications

Temperature Range	0 °C – 1,400 °C
Power Requirement	600 W or 1 kW
Temperature Stability	+1/- 0.1 °C
Temperature Reproducibility	+1/- 0.1 °C
Thermocouple Type	Type C (Type D Available)
Standard Length	*12.0"
Mounting Flange	2.75" or 4.50" OD – CF
Electrical Connectors	Filament: Amphenol Circular TIC: Omega Submini

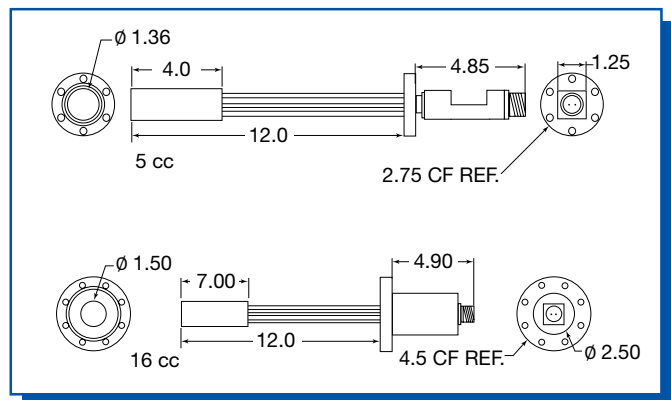
*Contact SVT Associates for custom in-vacuum lengths.

*Other crucible materials are available.

Models	Flange Size (CFF)	Crucible (cc)
SVTA-D-5-275	2.75"	5
SVTA-D-5-450	4.50"	5
SVTA-DD-6-275	2.75"	6
SVTA-D-16-450	4.50"	16



Typical power consumption of 5 cc – 16 cc Dopant Cells.



Schematic drawing of Dopant Effusion Cells.
Dimensions are given in Inches.

