

# Dopant Effusion Cell – D Series

Engines for Thin Film Innovation

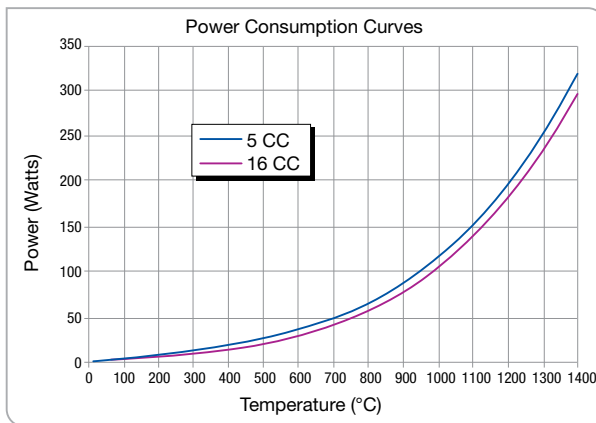


## Description

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



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

## 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)
Crucible Size*	5 cc, 6 cc, 16 cc Crucibles have tapered wall for best coverage.
Standard Length*	12.0"
Materials*	PBN and Aluminum Oxide
Mounting Flange	2.75" or 4.50" OD – CF
Electrical Connectors	Filament: Amphenol Circular TIC: Omega Submini

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

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

Flange Size	2.75"	4.50"
Crucible Size	5 cc 6 cc	5 cc 6 cc 16 cc

