

Dual Filament Effusion Cell – DF Series

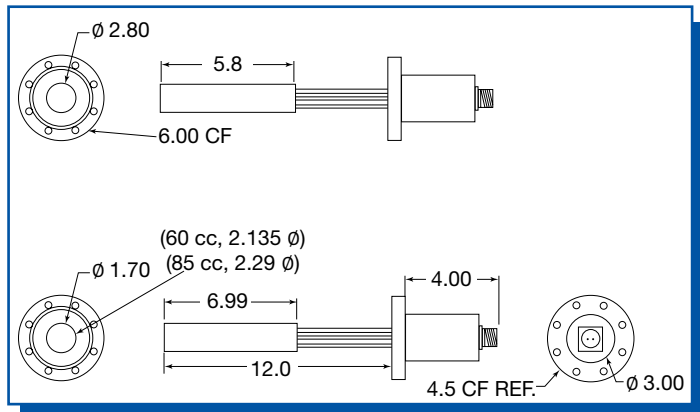


Description

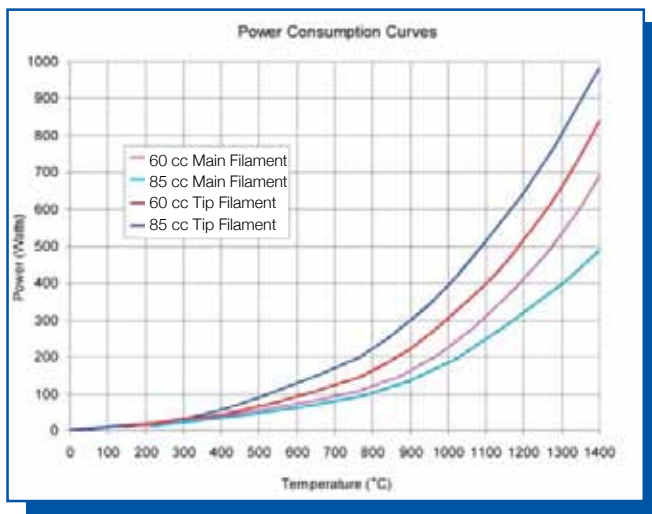
SVT Associates DF Series is designed for use with Ga and In. Two Independently controlled filaments offer the user greater freedom to grow optimal materials. This source is available for mounting on a 4.50" or larger CF flange. SVT Associates effusion cells are thoroughly tested and characterized before shipment.

Features

- Excellent Source for Ga and In
- Two Independent Filaments for Complete Temperature Control
- Wide Range of Sizes Available
- Compatible with any MBE System



Schematic drawing of dual filament effusion cells. Dimensions are given in Inches.



Typical power consumption of 60 cc – 85 cc Dual Filament Cells.

Models	Flange Size (CFF)	Crucible (cc)
SVTA-DF-16-450	4.50"	16
SVTA-DF-20-450	4.50"	20
SVTA-DF-22-450	4.50"	22
SVTA-DF-40-450	4.50"	40
SVTA-DF-60-450	4.50"	60
SVTA-DF-85-450	4.50"	85
SVTA-DF-85-462	4.62"	85
SVTA-DF-150-600	6.00"	150

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, 150 cc 16 cc, 22 cc, and 150 cc Crucibles have tapered wall for best coverage (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.

