

Single Filament Effusion Cell – SF Series

Engines for Thin Film Innovation

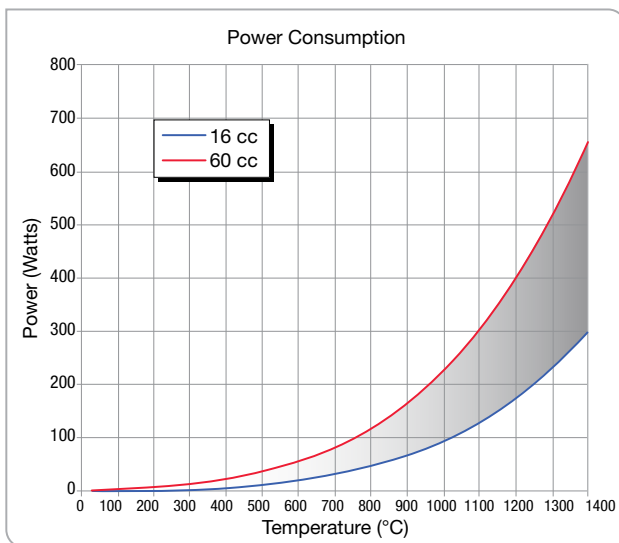


Description

SVT Associates' SF Series is the perfect choice for a general purpose source heater for Germanium and related materials. Its single filament design heats the crucible uniformly for evaporation of materials. Models are available for mounting on a 2.75" or larger CF flange. SVT Associates' effusion cells are thoroughly tested and characterized before shipment. Water cooling shrouds and integral shutters are optional for 4.50" CF flange or larger.

Features

- High Performance Components
- Wide Range of Accesories
- Integral Water Cooling and Shutters
- Sturdy All Tantalum and PBN Hot Zone



Typical power consumption of 16 cc – 60 cc Single Filament Cells.

SVTA-SF-(Crucible Size)-(Flange Size)

Flange Size	2.75"	4.50"	6.00"
Crucible Size	6 cc 10 cc 16 cc 20 cc 22 cc 40 cc	16 cc 20 cc 22 cc 40 cc 50 cc 60 cc 80 cc 85 cc	85 cc 100 cc 150 cc

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

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*	6 cc, 10 cc, 16 cc, 20 cc, 22 cc, 40 cc, 50 cc, 60 cc, 80 cc, 85 cc, 100 cc, 150 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.

