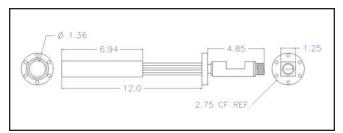
EXCEL Series





Features

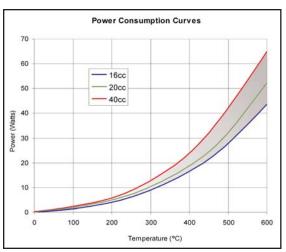
- Designed for Organic
 Compounds or Very High Vapor
 Pressure Materials
- Hot-Lip Style Filament
- A Variety of Flange Sizes



Schematic Drawing of EXCEL source for a 2.75" CF mounting flange. Dimensions are give in Inches.

Description

SVT-A EXCEL Series is designed to work in a High Vacuum (HV) or Ultra High Vacuum (UHV) deposition system. It is the perfect choice for use in deposition of organic compounds or very high vapor pressure materials. All sources are rated for a maximum operating temperature of 600 °C. Each source comes standard with a "Hot Lip" style filament to prevent material build-up at the lip of the crucible during evaporation. All sources use a type K thermocouple. Integral shutters and cooling shroud are available for 4.5" CF or larger flanges.



Typical power consumption for 16cc - 40cc EXCEL cell.

Specifications

Temperature Range	0°C - 600°C
Power Requirement	600 W or 1kW
Temperature Stability	<u>+</u> 0.1 °C
Temperature Reproducibilit	y <u>+</u> 0.1 °C
Thermocouple Type	Type K
Filament Style	Tantalum "Bird Cage" w/Non-Conductive Guides
Crucible Size16	Scc, 20cc, 22cc, 40cc, 60cc, 150cc Scc, 22cc and 60cc Crucibles have Tapered Wall for Best Uniformity (PBN or Other Materials)

	*12.0" 2.75" or 4.50" OD - CF
Electrical Connectors	Filament: Amphenol Circular
	Thermocouples: Omega-Sub-Miniature

Model	Flange Size (CFF)	Crucible (cc)
SVTA-EXCEL-16-275	2.75"	16
SVTA-EXCEL-16-450	4.50"	16
SVTA-EXCEL-20-275	2.75"	20
SVTA-EXCEL-20-450	4.50"	20
SVTA-EXCEL-22-275	2.75"	22
SVTA-EXCEL-22-450	4.50"	22
SVTA-EXCEL-40-275	2.75"	40
SVTA-EXCEL-40-450	4.50"	40
SVTA-EXCEL-60-450	4.50"	60
SVTA-EXCEL-150-600	6.00"	150

- * Contact SVTA for Custom In-Vacuum Lengths.
- * Other Crucible Materials are Available.