

# Antimony Valved Cracker



SVTA-VC-45-SB

## Description

SVT Associates Antimony Valved Cracker provides efficient, reliable, and ultra-pure Antimony flux in a UHV environment. The Antimony Valved Cracker has three independently controlled thermal zones, water cooling jackets for the bulk evaporator and valve body, a high purity cracking tube assembly and a PBN Reservoir. The Antimony Valved Cracker comes standard with manually controlled needle valve actuation. A computer controlled package is available for instant flux beam valve control. As with all of SVT Associates Vacuum Components, each source is carefully tested and characterized before shipment.

## Features

- Needle Valve Design For Enhanced Flux Control
- Three Independently Controlled Thermal Zones for Efficient Sb Evaporation and Cracking
- Optional Motorized Valve Package for Instant Flux Control

## Specifications

Crucible Size	200 cc, 500 cc
Temperature (Bulk, Cracking Head)	Ambient to 800/1,200 °C
Power (Bulk, Cracking Head)	0 – 160/320 Watts
Temperature Stability	+ 0.1 °C
Thermocouple	Type C
Standard in Vacuum Length	12" (30.5 cm)
Mounting Flange	2.75" or 4.50" CF
Electrical Connectors	Filament: Amphenol Circular T/C: Omega Subminiature
Access	25' (7.62 m) Cables (VCEC-25)
Optional Equipment	Power Supply (VCPS-1) Temperature Controller (VCTC-1) Motorized Valve and Controller (VC45-MRS)

