

HIGH TEMPERATURE CELL HTC



This type of effusion cell is designed to evaporate materials at temperatures up to 2000 °C.

A self-supported tungsten filament is used for the heating system.

The hot area of the effusion cell is made entirely of tantalum and tungsten.

OPTIONS:

- A variety of different crucibles materials are available
- Crucible with insert
- Downward looking version

Technical Data

Standard :

Type	HTC
Heating system	Radiation heating, tungsten (self supported)
Temperature range	300 °C ... 2000°C
Temperature stability	≤ 0.1 K depending on the PID controller
Max. outgas. temp.	2100° C
Max. power	450 W (NW 40 CF)
Max. current	20 A
Bakeout temperature	250°C
Conditioning	Heated to maximum temperature with and without crucible
Shipping	Stainless steel container with valve

Custom :

Flange size	CF 40 / CF 63 / CF 100 or specified
Max. outer diameter	38 mm / 63mm / 100mm etc.
Length	As specified
Thermocouple type	Type C / WRe 5%-26% (or specified)
Crucible material	PGR / W / Ta / Mo
Crucible capacity	All standard sizes or specified

Options :

Integrated Shutter	Optional
Water cooling	Optional
Other dimensions	As specified
Crucible with insert	Optional
Downward looking	Optional

