

COLD LIP EFFUSION CELL CLC



The cold lip effusion cell is designed to evaporate materials like Al that tend to overflow due to the wetting of the PBN surface. The cold orifice results a long life-time of the cell and low defect concentrations in the epitaxial layer.

OPTIONS:

- Cold lip effusion cell made from molybdenum
- Crucibles with different inserts

Technical Data

Standard :

Type	CLC
Heating system	Radiation heating, tantalum wires with PBN insulators
Temperature range	200 °C...1400 °C
Temperature stability	≤ 0.1 K depending on the PID controller
Max. outgas temp	1600° C
Max. power	220 W
Max. current	8 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
Max. outer diameter	38 mm
Length	As specified
Thermocouple type	Type C / WRe 5%-26% (or specified)
Crucible material	PBN / PGR / W / Ta / Mo / quartz
Crucible capacity	5 - 39 ccm

Options :

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

