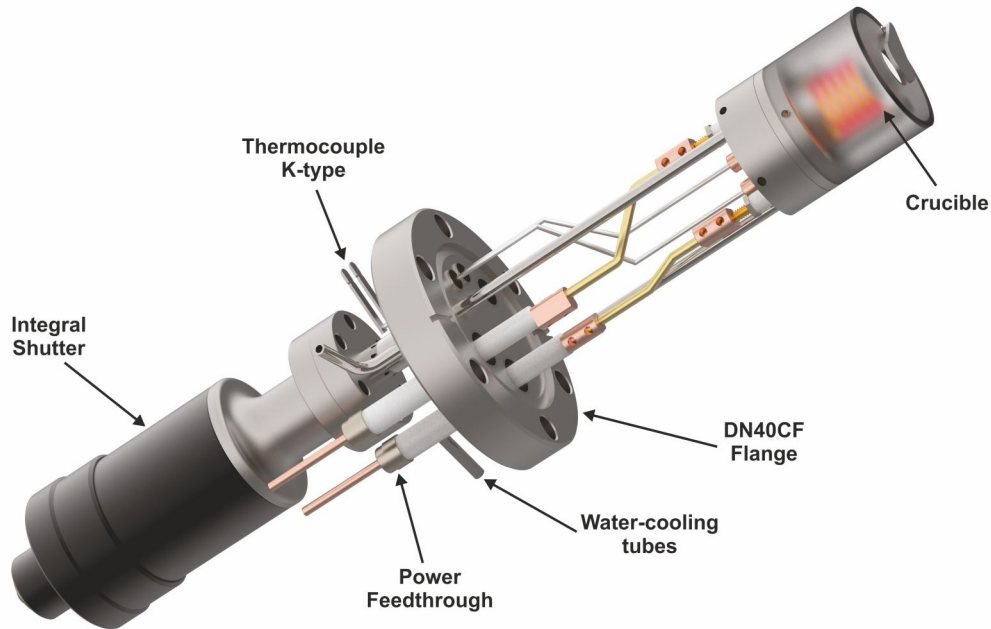


Effusion Cell

Model: Evap 40



Description

Effusion cell model Evap40 is a miniature vapor source of wide range solid state materials that are suitable for evaporation from crucible by thermal radiation from the surrounding tungsten heater.

The temperature range is from 50 °C to 1200 °C. It is designed for deposition of uniform thin films under ultra high vacuum conditions onto the substrate from sub-monolayer thickness to multilayered thin film.

Specifications:

- Mounting flange: DN40CF with 100 mm vacuum insertion length and 34 mm O.D.
- Water cooling: internal water flow reducing components outgassing
- Filament: Tungsten filament heater with current range 0- 20 A
- Evaporating Source Crucibles: BN, Quartz, Alumina Ma, Ta, W, and Graphite
- Thermocouple: K or C type
- Crucible materials: Ma, Ta, W, Graphite
- Liner Material options: BN, Quartz, Alumina
- Shutter: integral manual shutter