

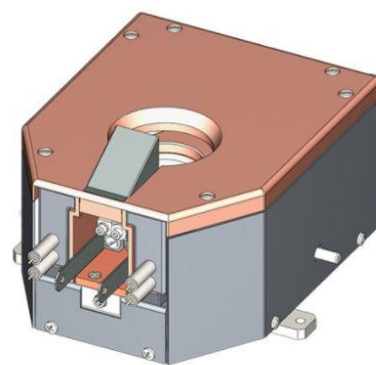
Hanks HM² Rotary Pocket e-Gun™

Hanks HM² Rotary Pocket Electron Beam Evaporation Series

Thermionics introduces rotary pocket 7, 10, 15 and 20 kW HM² e-Guns (ebeam). The HM² series provides unique modular magnetic design producing a more efficient electron beam. The Hyper-Unimelt 200 Hz sweep eliminates tunneling and source material eruptions. Plug-in emitter assemblies and sweep coil assemblies make the sources easier to service. Easy filament alignment, more efficient electron collimation, minimal filament distortion and elimination of electron tails.

Features

- Elimination of beam curl
- UHV rated sweep coils included with source (200 Hz)
- Elimination of pole pieces
- Easy filament alignment
- More efficient electron collimation
- Minimal filament distortion
- Elimination of electron tails



Specifications

Operating Pressure	Below 5×10^{-5} Torr is desirable for best operation
Emission Voltage	-7.5 to -10 kV
Filament	12 VAC 60A
Maximum Power	10 kW
Cooling Water	3 gpm
Pressure Differential	50 psi minimum
Maximum Bakeout Temp.	120°C
Crucible Volume	7, 10, 15 or 25 cc

Ordering Information

Description	Model No.
7 cc rotary 4 pocket crucible HM ² series e-Gun, 6 kW	R0607-4
10 cc rotary 4 pocket crucible HM ² series e-Gun, 6 kW	R0610-4
15 cc rotary 4 pocket crucible HM ² series e-Gun, 6 kW	R0615-4
10 cc rotary 4 pocket crucible HM ² series e-Gun, 10 kW	R1010-4
15 cc rotary 4 pocket crucible HM ² series e-Gun, 10 kW	R1015-4