

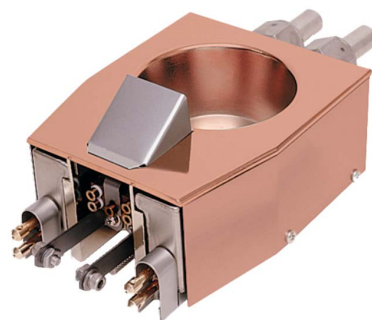
Hanks HM² Single Crucible e-Gun™

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Thermionics introduces single pocket 6, 10, 15 and 20 kW HM² e-Guns. 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	20 kW
Cooling Water	1-1.5 gpm
Pressure Differential	50 psi minimum
Maximum Bakeout Temp.	230°C
Crucible Volume	7, 10, 15, 40, 75, 100 or 156 cc

Ordering Information

Description	Model No.
7 cc single crucible HM ² series e-Gun, 6 kW	0607
10 cc single crucible HM ² series e-Gun, 6 kW	0610
10 cc single crucible HM ² series e-Gun, 10 kW	1010
15 cc single crucible HM ² series e-Gun, 10 kW	1015
40 cc single crucible HM ² series e-Gun, 15 kW	1540
75 cc single crucible HM ² series e-Gun, 15 kW	1575
100 cc single crucible HM ² series e-Gun, 15 kW	15100
156 cc single crucible HM ² series e-Gun, 15 kW	15156
156 cc single crucible HM ² series e-Gun, 20 kW	20156