

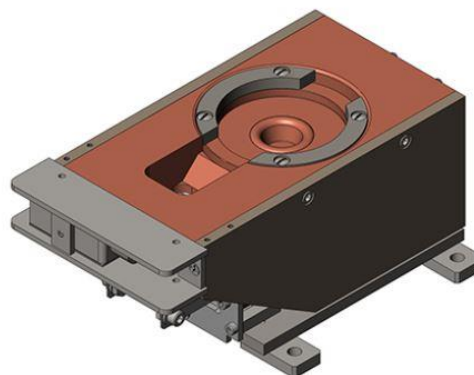
## HCF Series Interchangeable Crucible 10 kW e-Gun™

### *High Capacity Electron Beam Interchangeable Crucible Evaporation Series*

Thermionics introduces interchangeable single pocket 10 kW e-Guns. The High Capacity series provides enhanced beam stability and efficient XY sweep with full crucible coverage. Plug-in emitter assemblies and sweep coil assemblies make the sources easier to service. The line includes a full spectrum of power supplies, sweep controllers and accessories, including crucible liners.

### Features

- Interchangeable effective water-cooled flow crucible
- True XY sweep with full crucible coverage
- UHV rated sweep coils included with source
- Enhanced beam culmination
- Plug-in emitter module
- Enhanced high stability cooling
- Cross-contamination shielding
- Rugged design
- Self-contained deflection assembly
- Simple installation



### Specifications

Operating Pressure	Below $5 \times 10^{-5}$ Torr is desirable for best operation
Emission Voltage	-6 to -10 kV
Emission Current	0 to 1A
Maximum Power	10 kW
Cooling Water	2.5 gpm
Pressure Differential	25 psi minimum
Maximum Bakeout Temp.	230°C
Crucible Volume	7, 15, 25 or 40 cc
Filament	700W
Vacuum Range	$1 \times 10^{-8}$ Torr

### Ordering Information

Description	Model No.
7 cc interchangeable single crucible HC series e-Gun	HCFIC-1007
15 cc interchangeable single crucible HC series e-Gun	HCFIC-1015
25 cc interchangeable single crucible HC series e-Gun	HCFIC-1025
40 cc interchangeable single crucible HC series e-Gun	HCFIC-1040