GF-125 HC/HT FIVE (5) ZONE BENCHTOP HORIZONTAL CONVECTION REFLOW OVEN

Model GF-125 HC/HT
shown with optional stand.

Your Economic Solution for:
- Prototyping
- Curing Applications
- Product Development
- Short Run, High Mix Manufacturing Applications

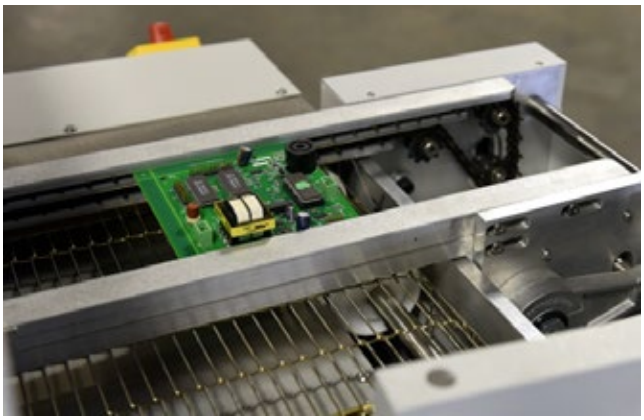
Convection R eflow Oven Features

- Lead and Lead free Compatible
- 100% forced-air Horizontal Convection™ Oven**
- 5 vertical heating zones plus cooling zone
- Low mass 12" wide stainless steel conveyor
- Stainless steel chambers
- Two port built-in profiler
- Viewing windows with lighted interior
- Computer control (Laptop Included) with:
  - Unlimited profile storage
  - 7 day programmable timer
  - Real time graphic temperature profiler
  - ISO 9000 SPC fault monitoring and reporting
  - Battery memory backup
  - English or metric units
  - Password protection

**Patent 6,936,793

OPTIONS Available

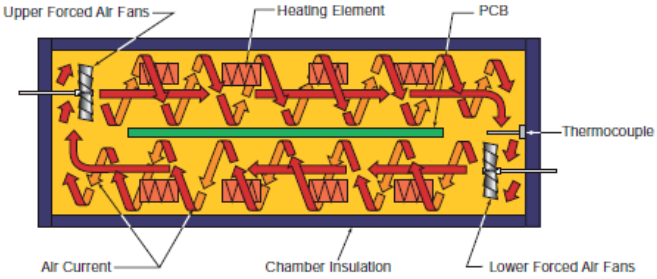
- Status light tower option
- Nitrogen gas inerting option
- Enclosed stand option
- Edge rail conveyor option (shown below)



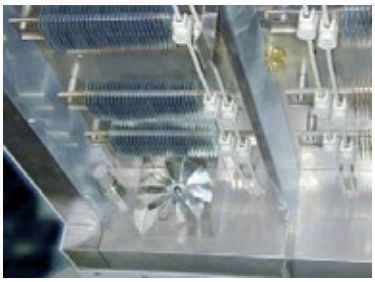
GF-125-HC/HT with HORIZONTAL CONVECTION ™

With the patented** Horizontal Convection,™ air is circulated horizontally in one direction above the board, and in the opposite direction below the board. This circular air current, or “cyclone” around the board, produces extremely uniform temperature profiles across the board. The model GF-125's are high temperature ovens which are compatible with all lead and leadfree soldering applications.

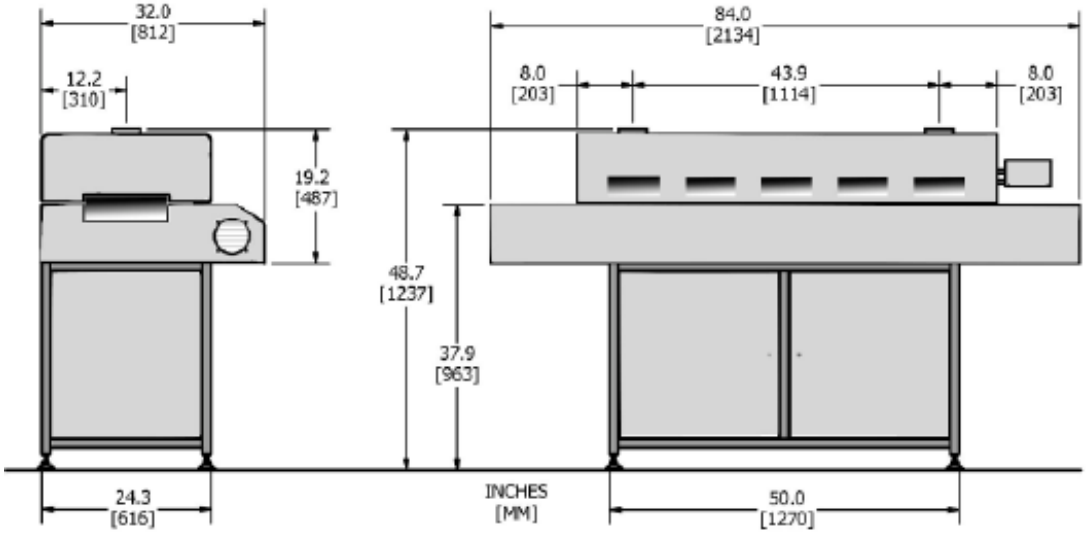
GF-125HC/HT chambers cross section Upper Heating Zone Showing



- Heating elements (1)
- upper forced turbine
- (2) inert gas suffuser
- (3) interior lighting (4)

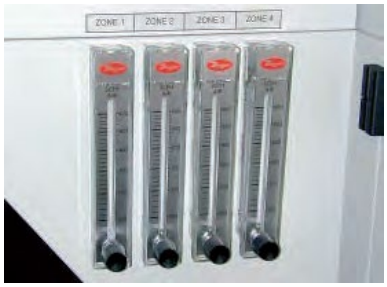


Dimensions



PAK-10 Profile Kit Option

The temperature profiling accessory kit includes all you need to profile PC boards, through your reflow oven. It is compatible with any oven or profiling system that uses vstandard K-type thermocouples.



All GF ovens have a nitrogen gas inerting option. With the iso lated c hamber design (recirculation of atmosphere within reflow zone) low oxygen levels are maintained while conse rving nitrogen consum ption.

- Decreases wetting angle
- Increases flux efficiency
- Enhances fine pitch solder fillets
- Improves surface finish of solder joints

Specifications

Max. PCB Width	304mm (12 inches)
Max. PCB Height	35mm (1.375 inches)
Heating Zones	5 top, 5 bottom
Max. Temperature	400°C (752°F)
Heated Tunnel Length	1423mm (56 inches)
Convection	Forced air horizontal convection
Conveyor	Mesh belt
Conveyor Extensions	Yes
Venting	Two (2) 102mm (4”) dia. Flanges, 200 CFM each
Cooling Station(s)	One (1)
Cooling Zone Fans	Two (2)
Cyclonic Generators	Ten (10)
Nitrogen	Option
PC Interface	Standard
Heater (Peak) Power	14.5 kW
Power Requirements	220 VAC, 50/60 Hz, 3Ø , 40 Amp
Length	2133mm (84 inches)
Width	813mm (33 inches)
Height	508mm (20 inches)
Net Weight	430 lbs.