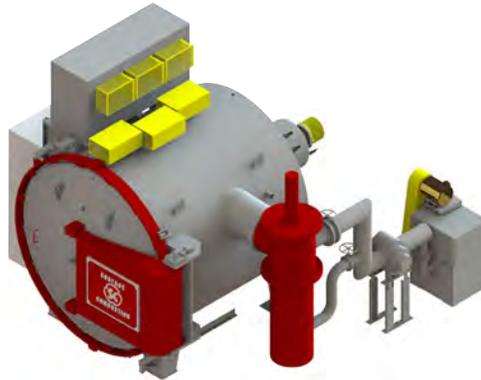


Power Convection® (PC)

Single Chamber Vacuum Furnaces

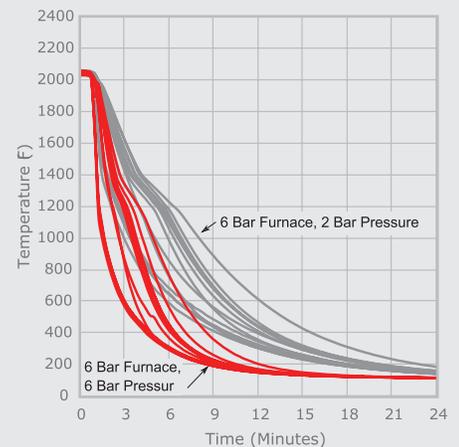


**The Surface® Combustion
Power Convection® (PC)
Vacuum features a larger work
zone volume than most of the
competition.**



Key features:

- Ruggedly engineered for maximum uptime
- Larger inner chamber affords many advantages over the competitors' smaller, tighter designs including the ability to do extra wide and extra tall load sizes and reduces the risk of loading/unloading accidents
- The higher capacity hearth allows for efficient processing of higher capacity loads
- Less wind erosion of the inner chamber because of FlexShield™ hot zone facing and nozzle design
- Robust cooling fan, motor and simplified plenum design
- Cooling nozzles surround the load for uniform 360° cooling, especially of larger pieces such as dies. High water flow copper finned cooling coils are properly sized for the fastest possible cooling
- Cold wall insulation is designed to cool faster from higher temperatures
- Inner chamber designed to provide rapid and uniform radiation heat transfer to the workload
- Ideal for hardening, high-temp annealing, sintering, and brazing
- Furnaces are available in 2- and 6-bar cooling (alternative designs up to 10-bar)
- Graphite hot zones or refractory metal hot zones are available
- Diffusion pump is also an available option
- Size Ranges: 24"-36"-24" to 36"-48"-36"



**Optimal operating range is 1400°F-2400°F
with a graphic hot zone**

Typical cycle time can run 2- 4 hours

**Contact Surface and
Let Us Help You Find The
Vacuum Solution To Fit
Your Processing Needs.**



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