Dual Chamber Metal Heat Treat Furnace

This standard dual chamber metal heat treat furnaces feature two furnace chambers with different temperatures. The two chambers allow for immediate tempering or drawing after quench without waiting for the hardening chamber to cool down to the lower temperature required.

View the Dual Chamber Bench Top Spec Sheet with a full description of features and options and then either call to talk to a Keith company specialist or email to request prices, additional furnace specifications and delivery.

This type of furnace construction requires a minimum of floor space. The upper door rises vertically so the hot face is away from the operator, while the lower chamber door is a hinge type construction. The lower furnace chamber can be equipped with a high temperature fan for improved temperature uniformity. A quench tank can be stored under the lower furnace chamber and can be rolled out when needed. Keith Company also builds custom electric or fuel gas fired heat treat furnaces including drop bottom quench furnaces for heat treating non ferrous materials such as aluminum and magnesium.

Each furnace chamber has it's own temperature control, thermocouple and solid state relay for power switching. The wire wound heating elements are embedded into a ceramic plate which makes it easy to replace. Ports for optional (and/or) instrumentation inert protective atmosphere can be installed. For further oxidation protection, parts can be wrapped into heat treat foil.

Our experts are very familiar with many types of specifications, among them AMS 2750E (Aerospace Material Specification Developed by Society of Automotive Engineers - SAE) and NADCAP (National Aerospace and Defense Contractors Accreditation Program) requirements.

To learn more about about our Dual Chamber Heat Treat Industrial Furnace with Atmosphere System, review the videos on our YouTube KEITH

Model #	Chamber Size	Max Temp	Application
Dual Chamber Heat Treat Furnace / K-110813-D	10.5" x 13" x 8"	2250°F	hardening, tempering & drawing furnaces
Dual Chamber Heat Treat Furnace / K-120820-D	12" x 20" x 8"	2250°F	hardening, tempering & drawing furnaces
Dual Chamber Heat Treat Furnace / K-121220-D	12" x 20" x 12"	2250°F	hardening, tempering & drawing furnaces
Dual Chamber Heat Treat Furnace / K-120832-D	12" x 32" x 8"	2250°F	hardening, tempering & drawing furnaces
Dual Chamber Heat Treat Furnace / K-120840-D	12" x 40" x 8"	2250°F	hardening, tempering & drawing furnaces
Dual Chamber Heat Treat Furnace / K-151520-D	15" x 20" x 15"	2250°F	hardening, tempering & drawing furnaces
Dual Chamber Heat Treat Furnace / K-161032-D	16" x 32" x 10"	2250°F	hardening, tempering & drawing furnaces
Dual Chamber Heat Treat Furnace / K-161232-D	16" x 32" x 12"	2250°F	hardening, tempering & drawing furnaces
Dual Chamber Heat Treat Furnace / K-181824-D	18" x 24" x 18"	2250°F	hardening, tempering & drawing furnaces
Dual Chamber Heat Treat Furnace / K-181836-D	18" x 36" x 18"	2250°F	hardening, tempering & drawing furnaces
Dual Chamber Heat Treat Furnace / K-181848-D	18" x 48" x 18"	2250°F	hardening, tempering & drawing furnaces

** All Specifications are subject to change*

Contact Keith Company to order one of the kilns/furnaces mentioned or to learn more about any of our products.

K-121220-D Furnace with inert gas flow control instrumentation

Dual Chamber Heat Treat Furnaces

Dual Chamber Furnace with Quench Tank

Category Files:

- AMS 2750E Article
- AMS / NADCAP Specifications