

High Capacity Series

Standard Features

- Standard operating temperature from 300°F (149°C) through 2000°F (1093°C). High temperature model available.
- Microprocessor based digital temperature controls with full P.I.D. output functions.
- Over Temperature control system, the independent safety control system prevents unwarranted heat up of furnace.
- Counter weighted vertical lift door, optional air operated door available.
- Thermal efficient, high temperature ceramic fiber insulation.
- Durable long life heavy gauge coil wire heating elements mounted in ceramic holder plates and independent of the furnace insulation.
- Fast heat up rate
- Heavy duty ceramic hearth trays protect the furnace floor and provide a flat level work surface.
- Housing is finished with heat resistant industrial green enamel.
- Factory assembled, wired and power tested,



Controller Options

- MP - Programmable ramp and soak controller, single loop with 8 segments. Microprocessor based digital temperature controller with full P.I.D. output.

The HC Series furnace has been designed and built for the heavy duty production batch user in mind. This rugged, reliable and time tested heat treating furnace is loaded with standard features and offers a variety of optional equipment available to customize the furnace to your specific needs. Utilizing the latest in ceramic fiber insulation and microprocessor based controls, this furnace heats quickly, provides uniform temperature across the working area, and recovers quickly after loading.

Also available in gas tight sealed construction for inert atmosphere processing.

See the complete list of optional equipment available to customize your HC to meet your specific needs.



Huppert Industries, Inc.

16808 South Lathrop Avenue, Harvey, IL 60428

P.O. Box 56586, Chicago, IL 60656

Ph: 708/339-2020 Fax: 708/339-2225

www.HUPPERT.com sales@huppert.com

HC Series Optional Features

High temperature operation:	Increases the maximum operating temperature to 2250°F (1223°C).
Inert atmosphere construction:	Fully welded sealed construction with gas tight seals on all access panels. Inlet and outlet piping and sealed electrical feeds are all standard. Designed for use with inert atmospheres only
Digital process timer:	Digital solid state timer, range from 0.01 seconds to 999 hours. This timer will disconnect power to the control circuit and subsequently shut down the furnace after the preset process time period.
24 hour timer:	7 day, 24 hour timer will power the unit up and/or down at preset times automatically.
Chart recorder:	A variety of round and strip chart recorders are available to meet your needs. Contact our office for details.
Quench basket:	Inconel wire mesh basket reinforced by alloy rods to produce a sturdy basket that can be used to contain small parts while heat treating and quenching.
Alloy roller rail loading system:	High temperature cast alloy roller rail system with exterior roller cart and heavy duty rolling work tray. Designed to make loading and unloading simple and safe.

Model No.	Power	Volt	Phase	Chamber Dimensions			Overall Dimensions		
				W	H	D	W	H	D
HC-1518	6KW	240	1	15"	15"	18"	29"	72"	38"
HC-2024	12KW	208/240/480	1 or 3	20"	20"	24"	34"	82"	48"
HC-2430	16KW	208/240/480	1 or 3	24"	24"	30"	38"	90"	50"
HC-3036	20KW	208/240/480	1 or 3	30"	30"	36"	44"	98"	56"
HC-3648	32KW	208/240/480	1 or 3	36"	36"	48"	50"	106"	68"
HC-3660	48KW	208/240/480	1 or 3	36"	36"	60"	50"	106"	80"

• Throat opening is 2" less in the width and 2" less in the height than chamber dimension.



Huppert Industries, Inc.

16808 South Lathrop Avenue, Harvey, IL 60428
P.O. Box 56586, Chicago, IL 60656
Ph: 708/339-2020 Fax: 708/339-2225
www.HUPPERT.com sales@huppert.com