

High Capacity Tempering Series

Standard Features

- Temperature range from 300°F (149°C) through 1500°F (761°C) STD
- 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.
- Alloy steel fan for air circulation and increased chamber temperature uniformity.
- 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.
- 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, ready to connect to local power supply.



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 HCT 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 including a high temperature alloy circulation fan, and offering 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. Combine with the HC series furnace for a complete heat treating system.

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



Huppert Industries, Inc.

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HCT Series Optional Features

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	VOLTAGE	PHASE	Chamber Dimension			Overall Dimensions		
				W*	H*	D	W	H	D
HCT-1518	6KW	240	1	15"	12"	18"	29"	72"	38"
HCT-2024	12KW	208/240/480	1or3	20"	17"	24"	34"	82"	48"
HCT-2430	16KW	208/240/480	1or3	24"	21"	30"	38"	90"	50"
HCT-3036	20KW	208/240/480	1or3	30"	27"	36"	44"	102"	56"
HCT-3648	32KW	208/240/480	1or3	36"	33"	48"	50"	110"	68"
HCT-3660	48KW	208/240/480	1or3	36"	33"	60"	50"	110"	80"

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



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