

1400°C Controlled Atmosphere Furnace

Item Number: KT-14A



Introduction

Achieve precise heat treatment with KT-14A controlled atmosphere furnace. Vacuum sealed with a smart controller, it's ideal for lab and industrial use up to 1400°C.

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Max. temperature					
Constant work temperature 1300°C Vacuum pressure 0.1Mpa Vacuum valve Needle valve Chamber material Japan alumina fiber Heating element Silicon Carbide Heating rate 0.20°C/min Temperature sensor Stype thermal couple Temperature control accuracy ±1°C Temperature uniformity ±5°C Electric power supply AC110-220V,50/60HZ Standard Chamber Sizes Stocks Chamber size (mm) Effective volume (L) Chamber size (mm) Effective volume (L) 100x100x100 1 300x300x400 36 64 150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x200 12 80x800x800 512 100x20x20x200 12 80x80x800 512 100x20x20x20x20 12	Furnace model		KT-14A		
Vacuum pressure 0.1Mpa Vacuum valve Needle valve Chamber material Japan alumina fiber Heating element Silicon Carbide Heating rate 0-20°C/min Temperature sensor Stype thermal couple Temperature control accuracy ±1°C Temperature uniformity ±5°C Electric power supply AC110-220V,50/60HZ Standard Chamber Sizes Stocks Chamber size (mm) Effective volume (L) Chamber size (mm) Effective volume (L) 100x100x100 1 300x300x400 36 150x150x150 3.4 400x400x400 64 150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x200 12 8 800x800x800 512 12	Max. temperature		1400°C		
Vacuum valve Needle valve Chamber material Japan alumina fiber Heating element Silicon Carbide Heating rate O-20°C/min Temperature sensor Stype thermal couple Temperature controller Digital PID controller/Touch screen PID controller Temperature control accuracy ±1°C Temperature uniformity ±5°C Electric power supply AC110-220V.50/60HZ Standard Chamber Sizes Stocks Chamber size (mm) Effective volume (L) Chamber size (mm) Effective volume (L) 100x100x100 1 300x300x400 36 150x150x150 3.4 400x400x400 64 150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x200 12 800x800x800 512 150x150x150x150 12 800x800x800 512 150x150x150x150x150x150x150x150x15	Constant work temperature		1300°C		
Chamber material Heating element Silicon Carbide Heating rate 0-20°C/min Temperature sensor Stype thermal couple Temperature controller Digital PID controller/Touch screen PID controller/Tou	Vacuum pressure		0.1Mpa		
Heating element Silicon Carbide	Vacuum valve		Needle valve		
Heating rate	Chamber material		Japan alumina fiber		
Temperature sensor S type thermal couple Temperature controller ±1°C Temperature uniformity ±5°C Electric power supply AC110-220V,50/60HZ Standard Chamber Sizes Stocks Chamber size (mm) Effective volume (L) Chamber size (mm) Effective volume (L) 100x100x100 1 300x300x400 36 150x150x150 150x150x150 3.4 400x400x400 64 125 200x200x200 8 600x600x600 216 200x200x200 12 800x800x800 512	Heating element		Silicon Carbide		
Temperature controller Digital PID controller/Touch screen PID controller Temperature control accuracy ±1°C Temperature uniformity ±5°C Electric power supply AC110-220V,50/60HZ Standard Chamber Sizes Stocks Chamber size (mm) Effective volume (L) 100x100x100 1 300x300x400 36 150x150x150 3.4 400x400x400 64 150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x300 12 800x800x800 512	Heating rate		0-20°C/min		
#1°C #5°C #5°C	Temperature sensor		S type thermal couple		
Temperature uniformity ±5°C Electric power supply AC110-220V,50/60HZ Standard Chamber Sizes Stocks Chamber size (mm) Effective volume (L) Chamber size (mm) Effective volume (L) 100x100x100 1 300x300x400 36 150x150x150 3.4 400x400x400 64 150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x300 12 800x800x800 512	Temperature controller		Digital PID controller/Touch screen PID controller		
Electric power supply AC110-220V,50/60HZ Standard Chamber Sizes Stocks Chamber size (mm) Effective volume (L) Chamber size (mm) Effective volume (L) 100x100x100 1 300x300x400 36 150x150x150 3.4 400x400x400 64 150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x300 12 800x800x800 512	Temperature control accuracy		±1℃		
Standard Chamber Sizes Stocks Chamber size (mm) Effective volume (L) Chamber size (mm) Effective volume (L) 100x100x100 1 300x300x400 36 150x150x150 3.4 400x400x400 64 150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x300 12 800x800x800 512	Temperature uniformity		±5℃		
Chamber size (mm) Effective volume (L) Chamber size (mm) Effective volume (L) 100x100x100 1 300x300x400 36 150x150x150 3.4 400x400x400 64 150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x300 12 800x800x800 512	Electric power supply		AC110-220V,50/60HZ		
100x100x100 1 300x300x400 36 150x150x150 3.4 400x400x400 64 150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x300 12 800x800x800 512	Standard Chamber Sizes Stocks				
150x150x150 3.4 400x400x400 64 150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x300 12 800x800x800 512	Chamber size (mm)	Effective volume (L)	Chamber size (mm)	Effective volume (L)	
150x150x200 4.5 500x500x500 125 200x200x200 8 600x600x600 216 200x200x300 12 800x800x800 512	100x100x100	1	300x300x400	36	
200x200x200 8 600x600x600 216 200x200x300 12 800x800x800 512	150x150x150	3.4	400x400x400	64	
200x200x300 12 800x800x800 512	150x150x200	4.5	500x500x500	125	
	200x200x200	8	600x600x600	216	
	200x200x300	12	800x800x800	512	
Customer design sizes and volume is accepted					

No.	Description	Quantity
1	Furnace	1
2	Thermal block	1
3	Crucible tong	1
4	Heat resistant glove	1



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