

1200°C Controlled Inert Nitrogen Atmosphere Furnace

Item Number: KT-12A



Introduction

KINTEK 1200°C Controlled Atmosphere Furnace: Precision heating with gas control for labs. Ideal for sintering, annealing, and material research. Customizable sizes available.

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Furnace model	KT-12A / KT-12A Pro		
Max. temperature	1200℃		
Constant work temperature	1100℃		
Vacuum pressure	0.1Mpa		
Vacuum valve	Needle valve		
Furnace tube material (if applicable, typically for tube furnaces)	High purity quartz (Note: This is a muffle furnace, chamber material is key)		
Chamber material	Japan alumina fiber		
Heating element	Cr2Al2Mo2 wire coil		
Heating rate	0-30℃/min		
Temperature sensor	Build in K type thermal couple		
Temperature controller	Digital PID controller / Touch screen PID controller (KT-12A Pro)		
Temperature control accuracy	±1℃		
Temperature uniformity	±5℃		
Electric power supply	AC110-220V, 50/60HZ (customizable)		
Standard Chamber Sizes (Customization Available)			
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

Customer design sizes and volume accepted. [Contact us](#) to discuss your specific requirements.

No.	Description	Quantity
1	Furnace	1
2	Thermal block(s) / Sample tray(s)	1 set
3	Crucible tong	1

4	Heat resistant glove	1 pair
5	Operation manual	1