

1400°C Controlled Inert Nitrogen Atmosphere Furnace

Item Number: KT-14A



Introduction

KT-14A Controlled Atmosphere Furnace for labs & industry. 1400°C max temp, vacuum sealing, inert gas control. Customizable solutions available.

[Learn More](#)

Furnace model	KT-14A
Max. temperature	1400°C
Constant work temperature	1300°C
Vacuum pressure	-0.1Mpa (relative to atmosphere)
Vacuum valve	Needle valve
Chamber material	Japan alumina fiber
Heating element	Silicon Carbide (SiC)
Heating rate	0-20°C/min (adjustable)
Temperature sensor	S-type thermocouple
Temperature controller	Digital PID controller / Optional Touch screen PID controller
Temperature control accuracy	±1°C
Temperature uniformity	±5°C (in defined uniform zone)
Electric power supply	AC110-220V, 50/60HZ (configurable)

Standard Chamber Sizes (Custom sizes available)

Chamber size (WxDxH mm)	Effective volume (L)	Chamber size (WxDxH 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

Custom designed sizes and volumes are accepted. [Contact us](#) with your specific dimensional requirements.

No.	Description	Quantity
1	Controlled Atmosphere Furnace (KT-14A)	1 unit
2	Thermal block(s) / Hearth plate	1 set
3	Crucible tong	1 piece
4	Heat resistant gloves	1 pair

