

Laboratory High Pressure Vacuum Tube Furnace

Item Number: KT-PTF

Introduction

KT-PTF High Pressure Tube Furnace: Compact split tube furnace with strong positive pressure resistance. Working temp up to 1100°C and pressure up to 15Mpa. Also works under controller atmosphere or high vacuum.

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Furnace model	KT-PTF	KT-PTF Pro
Temperature controller	Digital PID controller	Touch screen PID controller
Multi program preset	no	yes
Power failure restarting	no	yes
Max. temperature	1100°C	
Constant work temperature	1000°C	
Furnace tube material	Super nickel based alloy	
Furnace tube diameter	50 / 60 / 80 / 100 mm	
Heating zone length	300 / 450 / 600 / 800 mm	
Heating zone quantity	1-10 zones	
Vacuum sealing solution	SS 304 flange with solid copper seal ring	
Rated vacuum pressure	0.001Pa/10E5 torr	
Rated positive pressure	15 Mpa	
Chamber material	Japan Al2O3 alumina fiber	
Heating element	Cr2Al2Mo2 wire coil	
Temperature sensor	Build in K type Thermal couple	
Temperature control accuracy	±1°C	
Temperature uniformity	±5°C	
Electric power supply	AC110-220V,50/60HZ	

Other super nickel based alloy tube size and heating zone length can be customized

No.	Description	Quantity
1	Furnace	1
2	Nickel-based Superalloy tube	1
3	Vacuum flange	2
4	Tube thermal block	2
5	Tube thermal block hook	1

6	Heat resistant glove	1
7	Operation manual	1