

Magnesium Extraction And Purification Condensing Tube Furnace

Item Number: KT-TF20



Introduction

Magnesium purification tube furnace for high-purity metal production. Achieve $\leq 10\text{Pa}$ vacuum, dual-zone heating. Ideal for aerospace, electronics, and lab research.

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No.	Description	Qty
1	Tube Furnace Main Unit	1
2	310S Stainless Steel Tube	1
3	Vacuum Flanges	2
4	Tube Insulation Blocks	2
5	Insulation Block Hook	1
6	Heat-Resistant Gloves	1
7	Operation Manual	1

Feature	Specification
Furnace Model	KT-TF12-80
Tube Material	310S Stainless Steel
Tube Diameter	80mm
Heating Zones	2 Independent Zones (Total Length: 600mm)
Max Temperature	1200°C
Heating Element	Cr2Al2Mo2 Resistance Wire Coil
Heating Rate	0-15°C/min
Thermocouple	K-Type
Temperature Controller	PID Programmable Touch Screen Controller
Control Accuracy	$\pm 1^\circ\text{C}$
Voltage	220V / 50Hz
Rated Power	6 Kw
Condenser Material	SUS310 High-Temperature Stainless Steel
Condenser Specs	Water-cooled circulation, Length: 300mm
Chiller Flow Rate	13L/min
Vacuum Sealing	SS 304 Flanges with O-rings
Vacuum Pump Speed	4 L/s
Vacuum Pump Power	0.55 kw

No.	Description	Qty
Feature	Specification	
Vacuum Gauge	Pirani Digital Vacuum Gauge	
Tube Vacuum Level	≤10Pa	
Dimensions (W x D x H)	1839 x 814 x 1397 mm	
Customization	Other tube sizes and heating zone lengths available upon request	