

OTF-1200X-80 Quartz Tube Furnace (80 mm O.D)

With Split Cover and Stainless Steel Vacuum Flanges

OTF-1200X-80 is split-able Tube furnace with Fe-Cr-Al alloy heating element, which can achieve faster heating and cooling rate. The furnace is installed with 80 mm (3.15") O.D quartz tube with a pair of smart stainless steel vacuum sealing flange, 1/2" in diameter vacuum sealing assembly will connect with 1/2" rubber hose, which allow to heat sample in vacuum or flowing gas. Precision temperature controller can provide 51 segments heating and cooling steps with +/- 1 °C accuracy.



Specifications:

Power	KW	2.5
Voltage	V	AC 208-240 Single Phase, 50/60 Hz
Max. Temperature	°C	1200 (<1 hour)
Continuous Temperature	°C	1100
Max. Heating Rate	°C /min	<= 20
Suggested Normal Heating Rate	°C /min	10
Tube Size and Materials	mm	OD: 80; ID: 72; Length: 1000, 80mm Quartz tube (included)
Hot Zone Length	mm	440
Constant Temperature Zone		120 (+/- 1 °C) @ 400-1200 °C
Temperature controller		PID automatic control via current limiting phase angle fired the resistor with 30 steps programmable
Temperature Accuracy	°C	+/- 1°C
Vacuum Level (by a mechanical pump)	torr	0.1 (vacuum pump 's pressure can reach < 0.0001 torr)
Heating Element		Fe-Cr-Al Alloy doped by Mo
Dimension	mm	550 x 380 x 520
Net Weight	Kg	about 60
Warranty		One year limited on all electronic parts, not including quartz tube
Shipping package size after crating	inch	45x45x35
Shipping weight	lbs	200



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