

Ai 1200C Controlled Atmosphere Muffle Furnace

SKU | GCF1200



Specifications

Electrical requirements	208-240V, 50/60Hz, single phase
Heating element type	Kanthal (Sweden) A1 2.0 resistance coil wire
Min/max/constant temperature	Ambient/1200°C/1100°C
Temperature controller	Eurotherm 3204 Controller (UK) or Shimaden fp93 (Japan) with 4 patterns and 40 segments (ie. 4 x 10 segments or 2 x 20 segments).
Maximum heating rate	15°C / min
Furnace cavity	Mitsubishi (Japan) high quality 1500 grade polycrystalline alumina fiber

Thermocouple type	K
Gas inlet/outlet	1/4" hose barb with 1/4" BSPT (British Standard Pipe Thread)
Vacuum port	KF40
Positive pressure	Not to exceed 0.02 MPa / 150 torr / 3 psi
Temperature controller precision	+/- 1°C
Working environments	Air, N2, Ar, NO2, CO, CO2, He, Ne, rough vacuum, etc. (Hydrogen, up to 5%)
Certification	ETL tested to UL and CSA standards (Standard), CE (Standard)
Warranty	1 year

Size comparison

Chamber size (DxWxH)	12x8x8"	16x12x12"	20x16x16"
Chamber capacity (cu ft)	0.44	1.33	2.96
Usable chamber space (DxWxH)	10x7x7"	14x11x11"	18x15x15"
Maximum output	4 kW 19 amp	9 kW 41 amp	15 kW 69 amp
Shipping dimensions (LxWxH)	38*26*44"	40*30*48"	49*44*61"
Net weight (Lb)	350	400	800
Shipping weight (Lb)	420	470	950