

# Vertical High Temperature Graphitization Furnace

Item Number: GF-05



## Introduction

Vertical high temperature graphitization furnace for carbonization and graphitization of carbon materials up to 3100°C. Suitable for shaped graphitization of carbon fiber filaments and other materials sintered in a carbon environment. Applications in metallurgy, electronics, and aerospace for producing high-quality graphite products like electrodes and crucibles.

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Product model specifications	GF-05-Φ40×100	GF-05-Φ50×100	GF-05-Φ60×100	GF-05-Φ70×140	GF-05-Φ90×160	GF-05-Φ100×200
Volume(L)	125	196	282	550	1000	1500
Rated temperature(C)	2800	2800	2800	2800	2800	2600
Limit temperature(C)	3100	3100	3100	3100	300	2800
Effective heating area (mm)	Φ400×1000	Φ500×1000	Φ600×1000	Φ700×1400	Φ900×1600	Φ1000×2000
Power(KW)	150	200	300	500	600	800
Frequency(HZ)	1500	1000	1000	1000	1000	1000
Temperature control method	Japan Shima Electric Thermostat					
heating method	Induction heating					
Vacuum system	Rotary vane vacuum pump (for high vacuum requirements, Roots vacuum pump and oil diffusion pump are required)					
sintering atmosphere	N <sup>2</sup> Ar and other gases					
Rated power supply voltage (V)	380					
Rated heating voltage (V)	750					
Vacuum limit (Pa)	100 (vacuum cold state)					