

# Graphite Vacuum Furnace Bottom Discharge Graphitization Furnace For Carbon Materials

Item Number: GF-06



## Introduction

Bottom-out graphitization furnace for carbon materials, ultra-high temperature furnace up to 3100°C, suitable for graphitization and sintering of carbon rods and carbon blocks. Vertical design, bottom discharging, convenient feeding and discharging, high temperature uniformity, low energy consumption, good stability, hydraulic lifting system, convenient loading and unloading.

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| Product model specifications   | GF-06-Φ40X100   | GF-06-Φ50X100 | GF-06-Φ60X100 | GF-06-Φ70X140 | GF-06-Φ90X160 | GF-06-100X200 |
|--------------------------------|---|---------------|---------------|---------------|---------------|---------------|
| 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)   |               |               |               |               |               |