



1200°C Top Loading Crucible Furnaces



VCF 12/5/3508P1

General Features

- Four chamber sizes available.
- Maximum operating temperature of 1200°C.
- Excellent chamber uniformity provided by elements positioned on four sides of chamber.
- Door handle and hinge mechanism conveniently raises door plug upward and to the side for full access to the chamber.
- Long-life coiled wire heating elements embedded in protective cast refractory slabs.
- Durable insulating door plug includes built-in exhaust vent.
- Chamber volumes from .2 ft.³ to 3.5 ft.³
- Positive break door safety switch isolates power to the heating elements when door is raised.
- Temperature controls are built into furnace cabinetry.
- Low thermal mass insulation improves energy efficiency.
- Hard refractory hearth provides excellent resistance to wear and spillage.
- Low outer case temperature provided through double shell construction.
- Choice of Model 301 control or programmers.
- Serviceability is aided by the furnace's mechanical and electrical design.
- Choice of multiple accessories and options. (See pages 43-46)

TYPICAL VCF APPLICATIONS

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|-----------|-------------|
| • Melting | • Hardening |
| • Fusions | • Annealing |
| • Curing | • Tempering |
| • Drying | • Sintering |

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Furnace Model	Max. Temp. (°C)	Internal Chamber Dimensions Inches (mm)			External Dimensions Inches (mm)			TC Type	Max. Power (kW)	Furnace Voltage	Shipping Weight (lb.)
		Depth	Width	Vertical Height	Depth	Width	Vertical Height				
VCF 12/5	1200	6.00 (155)	5.00 (130)	10.25 (260)	21.00 (530)	16.00 (405)	26.00 (660)	R	2.5	208/240	155
VCF 12/10	1200	7.00 (180)	6.00 (155)	14.50 (365)	22.00 (555)	17.00 (430)	30.00 (765)	R	3.0	208/240	225
VCF 12/23	1200	10.00 (250)	8.00 (200)	17.75 (450)	23.00 (600)	19.75 (500)	33.50 (850)	R	6.0	208/240	278
VCF 12/100	1200	16.00 (410)	16.00 (410)	23.50 (600)	36.50 (930)	37.50 (950)	43.25 (1100)	R	15.0	208/240*	430

Specify voltage at time of order.
Continuous operating temperature is 100°C below maximum temperature.

* 3 phase electrical design.