



General Features

- Maximum operating temperatures of 1400°C, 1500°C and 1600°C.
- Five chamber sizes available.
- Heating elements located on both sides of chamber ensure good thermal uniformity.
- Vertical lift door design keeps hot door insulation away from operator.
- Long-life silicon carbide heating elements are resistant to mechanical damage and chemical attack.
- Hard ceramic hearth provides excellent resistance to wear and spillage.
- Low thermal mass insulation improves energy efficiency and heat-up rates.
- Dense refractory around chamber entrance resists abrasion and wear.
- Power may be easily increased to heating elements from the temperature controller to compensate for SiC element resistance change (aging). This feature assures the furnace's original heat-up characteristics and maximum rated temperature is always achieved.
- Positive break door safety switch isolates power to the heating elements when door is opened.
- Low outer case temperature provided through double shell construction.
- Chamber vent provides for process exhaust.
- Compact design; ideal for conserving benchtop space.
- 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)



RHF 16/3/3216P1



RHF 16/35/3216P1/OTC

1400°C, 1500°C & 1600°C High Temperature Box Furnaces

Furnace Model	Max. Temp. (°C)	Internal Chamber Dimensions			External Dimensions			TC Type	Max. Power (kW)	Furnace Voltage	Shipping Weight (lb.)
		Height	Inches (mm) Width	Depth	Height	Inches (mm) Width	Depth				
RHF 14/1	1400	2.50 (60)	3.50 (90)	5.00 (125)	25.75 (655)	17.00 (435)	21.00 (535)	R	2.76	208/240	110
RHF 14/3	1400	4.75 (120)	4.75 (120)	8.00 (200)	25.75 (655)	17.00 (435)	24.00 (610)	R	4.5	208/240	124
RHF 14/8	1400	6.75 (170)	6.75 (170)	10.75 (270)	27.75 (705)	20.00 (505)	26.50 (675)	R	8.0	208/240	192
RHF 14/15	1400	8.75 (220)	8.75 (220)	12.00 (305)	32.00 (810)	27.00 (690)	30.75 (780)	R	10.0	208/240*	406
RHF 14/35	1400	10.00 (250)	12.00 (300)	18.50 (465)	34.75 (885)	30.75 (780)	37.00 (945)	R	16.0	208/240*	459
RHF 15/1	1500	2.50 (60)	3.50 (90)	5.00 (125)	25.75 (655)	17.00 (435)	21.00 (535)	R	2.76	208/240	110
RHF 15/3	1500	4.75 (120)	4.75 (120)	8.00 (200)	25.75 (655)	17.00 (435)	24.00 (610)	R	4.5	208/240	124
RHF 15/8	1500	6.75 (170)	6.75 (170)	10.75 (270)	27.75 (705)	20.00 (505)	26.50 (675)	R	8.0	208/240*	192
RHF 15/15	1500	8.75 (220)	8.75 (220)	12.00 (305)	32.00 (810)	27.00 (690)	30.75 (780)	R	10.0	208/240*	406
RHF 15/35	1500	10.00 (250)	12.00 (300)	18.50 (465)	34.75 (885)	30.75 (780)	37.00 (945)	R	16.0	208/240*	459
♦ RHF 16/3	1600	4.75 (120)	4.75 (120)	8.00 (200)	25.75 (655)	17.00 (435)	24.00 (610)	R	4.5	208/240	124
RHF 16/8	1600	6.75 (170)	6.75 (170)	10.75 (270)	27.75 (705)	20.00 (505)	26.50 (675)	R	8.0	208/240*	192
RHF 16/15	1600	8.75 (220)	8.75 (220)	12.00 (305)	32.00 (810)	27.00 (690)	30.75 (780)	R	10.0	208/240*	406
RHF 16/35	1600	10.00 (250)	12.0 (300)	18.50 (465)	60.25 (1530)	35.50 (900)	40.25 (1020)	R	16.0	208/240*	688

♦ Stock product. Note: RHF 16/3 is stocked with 3216P1 programmer. Continuous operating temperature is 100°C below maximum temperature.

Specify voltage at time of order.

*3 phase electrical design.