

VULCAN® BURNOUT FURNACES



High Performance Hybrid Muffle Technology for Faster Heating and Cooling than Full Firebrick Exclusive to Vulcan® Benchtop Furnaces

Each Vulcan is constructed with a heavy gauge steel cabinet finished with a durable baked enamel coating. The vertical lift door directs heat away from the operator and is standard for safety and space conservation. Each furnace comes with a 1-Year Limited Warranty.

Features

- High performance hybrid muffle
- Longer life, more durable than fiber construction
- Faster heating and cooling than full firebrick
- Integrated door safety switch
- Durable stainless steel front panel
- Digital controller
 - Single-Stage: digital temperature controller (programmable temperature, rate, hold time, alarm, °F/°C operation)
 - Three-Stage: three-stage digital controller (nine multi-stage programs, rate, hold time, delay start, alarm, °F/°C operation)

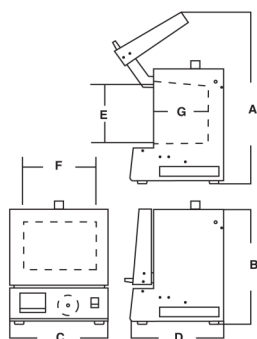
Options

Available in both single-stage and three-stage options, it has never been easier to select the right burnout furnace for your specific application!

Technical Data*

Wide Operating Temperature Range	77-2012 °F (25-1100 °C)
Ambient Storage Temperature Range	41-104 °F (5+40 °C)
Programmable Heat Rate	1-54 °F/min (1-30 °C/min)
Programmable Hold Time	<u>Single-Stage</u> : 0:00-60:00 hrs. / <u>Three-Stage</u> : 0:00-99:59 hrs.
Muffle Temperature Uniformity	±15 °F (±8 °C) at steady state
Operating Temperature (Ambient)	41-104 °F (5-40 °C)
Electrical	50-60 Hz

*These results are based on the testing methods, frequency and procedures of Ransom & Randolph or its approved suppliers. The levels referenced herein are only for general guidance and do not constitute a firm specification.



Exterior Dimensions**

	Model 130	Model 550
A	20.0" (510 mm)	25.0" (635 mm)
B	13.8" (350 mm)	16.0" (410 mm)
C	11.5" (290 mm)	15.8" (400 mm)
D	13.0" (330 mm)	17.0" (430 mm)

**Dimension includes exhaust tube.

Interior Muffle Dimensions

	Model 130	Model 550
E	4.6" (120 mm)	7.0" (180 mm)
F	5.7" (140 mm)	9.0" (230 mm)
G	5.2" (130 mm)	9.0" (230 mm)



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Investing with Innovation™

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Vulcan® Single-Stage Burnout Furnaces

Vulcan single-stage burnout furnaces feature a single-stage controller. The single setpoint digital controller allows the operator to control the rate of temperature climb, and monitor the progress of the program on an easy-to-read, accurate digital display. Adjust the heating rate of the furnace to meet the requirements of a wide range of investments with this easy-to-program option.

Model	S-550	
Item Number	<u>5355730001</u>	<u>5355730002</u>
Description	S-550 200-240V	S-550 120V
Volts	200-240 V	100-120 V
Amps	7.7-9.2 A	16 A
Watts	1540-2215 W	1920 W
Watts to Maintain 1832°F (1000°C) (Air Exchange setting at 0)	1050	
Weight	Furnace: 45 lbs. (20 kg) / Shipping: 60 lbs. (27 kg)	

Vulcan® Three-Stage Burnout Furnaces

Vulcan three-stage burnout furnaces are available in two standard muffle sizes and feature a three-series controller. Three-stage digital programmable models have nine multi-stage programs, a hold temperature program, and a delay start option which allows a program's start time to be delayed for up to seven days.

Model	3-130		3-550	
Item Number	<u>5355740001</u>	<u>5355740002</u>	<u>5355740003</u>	<u>5355740004</u>
Description	3-130 200-240V	3-130 100-120V	3-550 200-240V	3-550 100-120V
Volts	200-240V	100-120V	200-240V	100-120V
Amps	4.4 A	12 A	10 A	14.7-16.0 A
Watts	1060 W	1440 W	2400 W	1470-1920 W
Watts to Maintain 1832°F (1000°C) (Air Exchange setting at 0)	525		1050	
Weight	Furnace: 25 lbs. (11 kg) Shipping: 35 lbs. (16 kg)		Furnace: 45 lbs. (20 kg) Shipping: 60 lbs. (27 kg)	

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