



Featuring 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 2-Year Limited Warranty. Vulcan benchtop furnaces are available in three standard muffle sizes and each can be purchased with one of three different controllers.

- **3-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.
- **D-Series Controller:** Single setpoint digital controllers allow the operator to control the rate of temperature climb, and monitor the progress of the program on an easy-to-read, accurate digital display.
- **A-Series Controller:** Single setpoint analog controllers are an economical option when rate of temperature climb is not a concern.



3-550 A - 3-1750A Air Exchange Furnace

Pre-heated air is drawn through the heating chamber using an exclusive air venturi exhaust design. The

result is that combustion gases are more rapidly exhausted, increasing combustion uniformity and furnace life. The furnace is designed to meet ASTM D3174 specifications. Above is the rear view of a Vulcan furnace with a venturi exhaust system.



D-Series Single Setpoint Digital Controller

Adjust the rate of temperature climb to match

the requirements of different investments with this easy-to-program option.



3-550PD has a Power Door for Hands-Free Operation

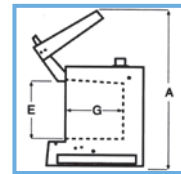
You can now concentrate on the task of material

handling using both hands. The remote switch closure on the Vulcan 3-550PD sets the standard for safety and convenience.

Ten Specialty Models	Model	Number	Voltage	Marking	Watts
The prefix refers to the Controller – "A" for Analog, Single Set Point; "D" for Single Set Point Digital Control; "3" for Digital, 3 Stage Programmable Control. The numeral refers to the Chamber size in cubic inches-130, 550 and 1750. (For exterior and muffle dimensions see lower left column.) The suffix refers to – "A" for Air Venturi, "PD" for Power Door. *Vulcan benchtop furnaces have a maximum temperature of 1100°C (2012°F).	A-130	9493300 9493301	120V - 50/60Hz 200-240V - 50/60Hz	– ETL	1440 1060
	D-130	9495120 9495121	120V - 50/60Hz 200-240V - 50/60Hz	– –	1440 1060
	3-130	9493302 9493303	120V - 50/60Hz 200-240V - 50/60Hz	– ETL	1440 1060
	A-550	9493306 9493307	120V - 50/60Hz 200-240V - 50/60Hz	– ETL	1920 2400
	D-550	9495130 9495131	120V - 50/60Hz 200-240V - 50/60Hz	– ETL	1920 2400
	3-550	9493308 9493909	120V - 50/60Hz 200-240V - 50/60Hz	– –	1920 2400
	3-550A	9493985	230V - 50/60Hz	ETL	2204
	3-550PD	9493826 9493827	120V - 50/60Hz 200-240V - 50/60Hz	– ETL	1920 2400
	A-1750	9493407 9493657 (Euro)	200-240V - 50/60Hz 230V - 50/60Hz	ETL –	4600 4370
	D-1750	9495140 9495141 (Euro)	200-240V - 50/60Hz 230V - 50/60Hz	ETL –	4600 4370
3-1750	9493409 9493658 (Euro)	200-240V - 50/60Hz 230V - 50/60Hz	ETL –	4600 4370	
3-1750A	9493990	230V - 50/60Hz	ETL	4370	

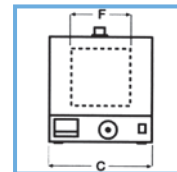
Exterior Dimensions

Model	A	B	C	D
130	510mm (20.0")	350mm (13.8")	290mm (11.5")	330mm (13.0")
550	630mm (25.0")	410mm (16.0")	400mm (15.8")	430mm (17.0")
3-550A	630mm (25.0")	430mm (17.0")*	400mm (15.8")	489mm (19.3")*
1750	815mm (32.0")	545mm (21.5")	610mm (24.0")	535mm (21.0")
3-1750A	815mm (32.0")	541mm (21.3")	610mm (24.0")	584mm (23.0")*



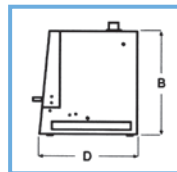
Internal Muffle Dimensions

Model	E	F	G
130	120mm (4.6")	140mm (5.7")	130mm (5.2")
550	180mm (7.0")	230mm (9.0")	230mm (9.0")
3-550A	180mm (7.0")	230mm (9.0")*	230mm (9.0")
1750	250mm (10.0")	360mm (14.0")	320mm (12.5")
3-1750A	250mm (10.0")	360mm (14.0")	320mm (12.5")



* Dimension includes exhaust tube not shown

Model	Furnace Weight	Shipping Weight
130	11 kg (25 lbs.)	16 kg (35 lbs.)
550	20 kg (45 lbs.)	27 kg (60 lbs.)
3-550A	23 kg (51 lbs.)	28 kg (62 lbs.)
1750	45 kg (100 lbs.)	61 kg (135 lbs.)
3-1750A	55 kg (120 lbs.)	67 kg (148 lbs.)



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