



Vacuum Ovens

Versatile Grieve Vacuum Ovens can be used for process drying under vacuum or standard atmospheric conditions. High reliability operation from UL Listed hydraulic primary and back-up safety thermostats. Four models, three chamber sizes to choose from.

STANDARD FEATURES

- Temperatures to 280°C (536°F)
- Hydraulic primary control thermostat
- Second, independent safety thermostat provides over-temperature protection
- Radiant wall heating provides uniform temperature and total use of work space
- Vacuum gauge, control and release valves
- Full-view tempered safety glass window
- 304 stainless steel interior
- Powder coated heavy gauge steel exterior
- Two (2) removable shelves
- Secure latch and silicone rubber door gasket provide tight seal
- 3" of glass wool insulation insures minimum heat loss
- 3-wire line cord
- Work space thermometer
- 1 year limited warranty

MODEL VF-220

Square chamber vacuum oven with stainless steel work space, 10" wide x 12" deep x 10" high, with two (2) solid aluminum shelves. Temperatures to 220°C (428°F).

MODEL VK-220

Same as Model VF-220 above except work space is 14" wide x 20" deep x 14" high.

MODEL VC-280

Square chamber vacuum oven with bottom mounted control panel utilizes available bench space to maximum advantage. Stainless steel work space, 10" wide x 11½" deep x 10" high, with two (2) fully adjustable chrome-plated shelves. Temperatures to 280°C (536°F).

MODEL VL-280

Same as Model VC-280 above except work space is 12" wide x 12" high x 18" deep to accommodate larger loads.

DUAL PURPOSE HIGH TEMPERATURE VACUUM OVENS



MODEL VK-220



MODEL VK-220
WITH OPTIONAL PROGRAMMABLE TEMPERATURE
CONTROLLER AND DIGITAL VACUUM DISPLAY



MODEL VC-280

SPECIFICATIONS

NOT FOR USE WITH FLAMMABLE SOLVENTS, VAPORS OR GASES.

Model	Work Space		Total Shelf Area	Outside Dimensions (WxDxH)	Max Temp	Number of Shelves	Insulation	Watts	Operating Characteristics†			Approx Shipping Weight
	Dimensions	Volume Cu Ft							Control Accuracy	Oven Uniformity	Rise Time	
VF-220	10"W x 12"D x 10"H	0.7	224 sq in	20" x 17" x 16"	220°C	2	3"	600	±1°C	±5°C	90 min	130 lbs
VK-220	14"W x 20"D x 14"H	2.3	536 sq in	26" x 25" x 22"	220°C	2	3"	1600	±1°C	±5°C	120 min	295 lbs
VC-280	10"W x 11½"D x 10"H	0.7	230 sq in	18" x 17½" x 23"	280°C	2	3"	1700	±1°C	±1°C	N/A	90 lbs
VL-280	12"W x 18"D x 12"H	1.5	432 sq in	23" x 26" x 22"	280°C	2	3"	1400	±2°C	±5°C	N/A	205 lbs

†Accuracy and uniformity at 100°C. Rise Time in minutes to 100°C. Tests run with empty oven. Performance will vary with load and application. See Bulletin TC-920 for additional details. N/A indicates information not available.

STANDARD EQUIPMENT

• Standard Electrical Characteristics

- 120 volts, 50-60 Hz, 3-wire cord and plug
- 240 volts, 50-60 Hz, 3-wire cord (Can be operated on 208 volts. Heat input will be reduced by 20%.)

MODELS VF-220 AND VK-220

Vacuum levels precisely controlled between 2" and 30" Hg; three-way valve for easy evacuation and flushing; side mounted control panel with all controls and vacuum line connections in a single, convenient location; vacuum gauge, hydraulic control thermostat with pilot light and built-in high limit thermostat; power switch is a combination circuit breaker and pilot light; dial thermometer inside oven.

Shelves in Model VF-220 rated 20 lbs distributed loading; maximum 40 lbs oven load. Shelves in Model VK-220 rated 30 lbs distributed each; maximum oven load of 60 lbs.

See below for optional digital controls available on Model VK-220.

Models VF-220 and VK-220, 240 volt ovens only, carry CE label unless digital vacuum display is added.

MODELS VC-280 AND VL-280

Bottom mounted control panel with vacuum gauge reading to 30" Hg; vacuum control valve, ¼" connectors, vacuum release valve, hydraulic control thermostat with pilot light, adjustable safety thermostat with pilot light, line switch with pilot light and circuit breaker; dial thermometer inside oven. Shelves rated 25 lbs distributed loading; 50 lbs maximum oven load.

ADDITIONAL EQUIPMENT AVAILABLE

ALL MODELS

• Vacuum Pump, complete with 6 feet of ¼" I.D. vacuum hose.

Single Cylinder, 1/6 HP, capable of 1.8 CFM of free air at 0" Hg vacuum and a maximum vacuum of 27.5" Hg with muffler, thermal protection, carrying handle, foot support and electric cord.

- 115 volts/60 Hz **SC160**
- 230 volts/60 Hz **SC260**
- 220 volts/50 Hz **SC250**

Twin Cylinder, 1/3 HP, capable of 4.5 CFM of free air at .0" Hg vacuum and a maximum vacuum of 28" Hg., oil-less rocking piston pump, with rubber feet and electric cord.

- 115 volts/60 Hz **TC160**
- 220 volts/50 Hz **TC250**

VK SERIES ONLY

• Digital Temperature Display **DTD**

• **Programmable Temperature Controller**, microprocessor based, digital indicating, up to 24 steps of ramp or soak possible, fully installed **VPTC**

• **Digital Vacuum Display**, available with programmable temperature controller only, readout in microns and torr, fully installed **DVC**



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