

**CONVECTION OVENS**

MODELS 107800, 107800-2, 107801, 107801-2, 107905 and 107905-2

(Please read these instructions completely before operating)

**PRODUCT INFORMATION**

Boekel's Convection Ovens are designed to provide reliable performance to users in research and industrial laboratories, clinics and schools. Each oven comes with a thermometer and ferrule insert for tracking oven temperature and two movable shelves for holding samples. Additional shelves may be ordered.

**PRODUCT PERFORMANCE**

Boekel's Convection Ovens come in three chamber volume sizes; including 0.6 cu. ft. (.017 cu. m.), 1.6 cu. ft. (.045 cu. m.) and 2.7 cu. ft. (0.76 cu. m.). All Boekel Oven models are designed to operate at a minimum temperature of 100°C and a maximum temperature of 215°C. The oven is equipped with an over-temp safety cutoff. If the chamber temperature exceeds approximately 290°C the safety cutoff will activate, shutting off the heater.

**UNPACKING**

1. Remove the Oven, Shelf and Thermometer from carton.
2. Inspect for damage. Report all shipping damage to the carrier immediately. Shipping damages are covered by the carrier and repair and/or replacement for shipping damages must be coordinated through the carrier.
3. Retain all packing material in the event that the unit must be returned.
4. Completely fill out and return the self-addressed Boekel warranty card.



**WARNING:** Do not use to melt wax or otherwise with flammable, corrosive or hazardous materials. Fire or serious personal injury may result. Not for use in Class I, II or III locations as defined by the National Electrical Code.



**WARNING:** Unit should not be operated without the heat plate installed. This is not a workable surface and no objects should be placed on this surface.



**WARNING:** Unit should never be left unattended.

**SET-UP**

1. Place the oven in a clear, draft free environment, not within 6" of a wall or combustible materials. Insure that the surface on which the unit is placed will withstand the radiated heat produced by typical laboratory ovens.
2. Plug unit into the appropriate power outlet.
3. Insert the wire rack shelves at the desired height.
4. Insert the Thermometer into the ferrule located top center on the oven.

**OPERATING INSTRUCTIONS**

1. Turn the Power switch to the "ON" position.
2. Rotate the "Temperature Adjust" knob clockwise to increase the chamber temperature. Counterclockwise rotation will reduce chamber temperature.
3. The red "Heat" Pilot Light will illuminate when the Oven heater is turned on. The light will alternate on and off when the oven reaches its set temperature.
4. Allow 45 minutes for chamber temperature equilibration when first starting the Oven. Always monitor the temperature by using the thermometer provided. Allow at least 15 minutes for re-equilibration when adjusting chamber temperature.

**CLEANING**

1. Disengage power cord before performing any cleaning.
2. The unit interior, bottom, sides and shelves may be cleaned using a suitable cleaning and disinfecting solution. Allow to dry thoroughly before restarting unit.
3. The exterior can be cleaned with a damp cloth or sponge.

**SERVICE: RETURN AUTHORIZATION IS REQUIRED.**

Should service be required, contact your salesperson or call Boekel Scientific at 215-396-8200 for return authorization.

SPECIFICATIONS:							
Dimensions (inches)							
Model #	Chamber Volume	Min. Temp.	Max. Temp.	Overall	Chamber	Electrical	Net Weight
107800	0.6 cu. ft.	100°C	215°C	13 3/8" x 13 3/4" x 16 1/2"	9 3/4" x 11 1/4" x 9 1/4"	120VAC, 660W	26 lbs.
107905	1.6 cu. ft.	100°C	215°C	19" x 16 3/8" x 21 1/4"	14 7/8" x 14" x 14"	120VAC, 1200W	48 lbs.
107801	2.7 cu. ft.	100°C	215°C	18 3/4" x 19 3/8" x 25 5/8"	14 7/8" x 17" x 18 3/8"	120VAC, 1500W	56 lbs.

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