

KMP

Installation Instructions

Repair Parts List



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**Model K-NP Holding Ovens
Installation Instructions & Repair Parts List**

One Year Limited Warranty

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Henkel, Inc. warrants its products against defects in material and workmanship. Henkel, Inc. will either repair or replace without charge any properly installed product which fails under normal operating conditions within one year from date of installation, provided it is returned to our factory, transportation prepaid, and our inspection determined it to be defective under the terms of this warranty. The warranty covers only equipment manufactured by Henkel, Inc., and does not extend to transportation, installation, or replacement charges at the buyers' facility; nor does it apply to any other equipment of another manufacturer used in conjunction with Henkel, Inc. equipment. No other warranty, expressed or implied exists beyond that included in this statement.

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Keen Ovens
Model K-NP

SPECIFICATIONS

Capacity	Boxes 36" Cut Length Material 8 12" wire spools
Volts	120V
Watts	1000 watts
Thermostat	Dial Adjustable
Temperature Range	50°F-250°F
Insulation	2" T I W
Interior Dimensions	20"H X 40"W X 20"D
Thermometer	Dial
Gas fitting for Nitrogen Purge	
Net Weight	300 lbs.
Shipping Weight	370 lbs.

Recommended Spare Parts

**When it is critical to have continuous operation of this unit:
we suggest having the following spare parts on hand:**

**Heating Element Assembly
Thermostat Assembly**

General Information

The model K-NP Keen oven is designed for storing filler material and 12 inch wire spools. The unit has shelves that slide out for easy loading and unloading. Each shelf is fabricated from perforated iron and is capable of holding 50 pounds of material. The lower section of the unit consists of a perforated iron cradle used to store 12 inch wide spools. Mounted to the top of the cabinet is a fitting that allows the unit to be purged with inert gas.

Safety Precautions

Read all instructions completely before attempting to operate this unit.

***** SAVE THESE SAFETY INSTRUCTIONS *****

DANGER

To reduce the risk of electrical shock, fire, or personal injury follow the guidelines below:

- Before connecting unit to a power source, be sure the voltage supplied is the same as that specified on the name plate of the unit.
- Check outlet to ensure proper grounding of the electrical cable. Have a licensed electrician check the A/C power outlet if you are not sure.
- Use this unit for its intended purpose as described by literature.
- Make sure power cord is located so that it will not be stepped on, tripped over, or otherwise subjected to stress of heat, oil, or sharp edges. Do not close doors on the cord.
- To reduce the risk of damage to the electric plug and cord, disconnect by plug rather than by the cord.
- Do not use this unit if cord or plug is in poor condition. If it has been exposed to weather or immersed in water, have a qualified serviceman inspect and replace parts as necessary.
- **WARNING! NEVER HANDLE PLUG, CORD, OR UNIT WITH WET HANDS OR WHILE STANDING IN WATER.**
- Use special care when moving heavily loaded units.

- Do not store combustible material on or around the unit.
- Do not operate this unit empty.
- When using the unit at a distance where an extension cord becomes necessary, a 3-conductor grounding cord of adequate size must be used for safety, and to prevent loss of power and overheating. Use only a UL listed extension cord suitable for outdoor use. Make certain wire size is large enough for A/C amperage rating of unit.

Operation

Locate oven in an area free of combustible material and close to an appropriate electrical power source. Adjust leveling bolts on legs so that oven is level and tilted slightly towards the back. Load oven with filler material and wire spools to be stored. To turn on unit, simply plug the power cord into an appropriate single phase A/C source and adjust the thermostat to desired setting. The oven is supplied with a 6' UL listed 16/3 SJ power cord. The unit will operate on 120 V with 250 watts of heat.

NOTE: Doors must be opened and closed simultaneously.

***** CAUTION: DO NOT USE ON D/C POWER SUPPLY! *****

Temperature Setting

The thermostat is adjustable from 50°F (10° C) to 250°F (121°C). Turn the thermostat knob to desired temperature by aligning with red line on chrome bezel. Pilot light indicates when power is supplied to the heating element. The thermostat is accurate to $\pm 25^{\circ}\text{F}$ (14°C) at the sensor. Temperature variance is minimal throughout the oven due to the heat exchanging qualities of the Keen shelving system.

Guide To Storage

See the enclosed guide to storage. This guide may be used in the absence of storage information from the electrode manufacturer. In critical situations, contact your manufacturer.

Scheduled Maintenance

The manufacturer recommends that the unit be unloaded and cleaned of debris and dust every six months. It is also recommended that a temperature probe be placed inside the unit and the thermostat calibration checked at this time.

Troubleshooting

The Keen oven models K-NP requires a minimal amount of electrical knowledge to repair if necessary.

IF OVEN FAILS TO OPERATE – NO HEAT

1. Check power source.
2. Check power cord continuity. Replace cord assembly if faulty.
3. If pilot light glows, voltage is being supplied to heating elements. Check elements continuity. If defective, replace.
4. If thermostat cannot be heard clicking on and off when dial is rotated, and if pilot light fails to operate, replace thermostat.

IF OVEN OVERHEATS

If oven fails to cycle on and off and reaches temperatures above 250°F thermostat is faulty and needs replacing.

If oven operates but is off from setting, see calibration instructions.

NOTE When replacing any components refer to “Corrective Maintenance” section of this manual for instructions.

Corrective Maintenance

CHANGING THE HEATING ELEMENT

1. Disconnect oven from power source.
2. Remove back cover and insulation.
3. Disconnect electrical leads from element and remove element holder from oven.
4. Remove element and bracket from element holder.
5. Install new element and brackets. (New brackets, insulation and leads are supplied with replacement elements.)
6. Install element holder and reconnect electrical leads.
7. Replace insulation and back cover.

CHANGING THE THERMOSTAT

1. Disconnect from the power source.
2. Remove cover plate from control box and disconnect the two wire connectors from thermostat leads.
3. Remove thermostat knob and chrome bezel. Remove thermostat from control box and pull sensing bulb through oven wall
4. Place thermostat leads on new thermostat and insert sensing bulb through oven wall being sure there is adequate length to reach holder.
5. Loosely attach thermostat and chrome bezel to control box. Place knob on thermostat and adjust bezel so that knob turns freely. When knob turns freely, remove knob, tighten bezel and replace and tighten knob.
6. Rewire element leads as per wiring diagram and replace control box cover.

THERMOSTAT CALIBRATION

1. Turn on unit. Set control dial at desired temperature.
2. Allow control to cycle at least three times (3) and observe temperature at the middle of the fourth cycle.
3. If calibration is required, carefully remove dial knob. Do not turn shaft.
4. Turn calibration screw in center of dial shaft clockwise to lower temperature and counter-clockwise to increase temperature.
5. Allow unit to cycle three (3) times and observe temperature at middle of fourth cycle. Readjust calibration screw if necessary. Replace dial knob.

RECOMMENDED SPARE PARTS

When it is critical to have continuous operation of this unit, we suggest having the following spare parts on hand:

1. Heating Element
2. Thermostat
3. Power Cord

K-NP Wiring Diagram 120V / 500W

