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OWNER'S MANUAL
INSTRUCTIONS, INSTALLATION, OPERATION, MAINTENANCE
MODEL: RHEF-45-EM

**** READ THIS MANUAL IN ITS ENTIRETY BEFORE USING THE FRYER ****

FOR YOUR SAFETY

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS OR LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

Instruction to be followed in the event the user smells gas shall be posted in a prominent location. This information shall be obtained by consulting the local gas supplier. This equipment is design engineered for commercial use only.

RETAIN THIS MANUAL FOR FUTURE REFERENCES

IMPORTANT. Installing, Operating and Service Personnel:

Installation of the equipment should be performed by qualified, certified, licensed and/or authorized personnel who are familiar with and experienced in state/local installation codes. Operation of the equipment should be performed by qualified or authorized personnel who have read this manual and are familiar with the functions of the equipment. Service of the equipment should be performed by qualified personnel who are knowledgeable with ROYAL RANGE OF CALIFORNIA, INC.

SHIPPING DAMAGE CLAIM PROCEDURE

The equipment is inspected & crafted carefully by skilled personnel before leaving factory. The transportation company assumes full responsibility for safe delivery upon acceptance of this equipment. If shipment arrives damaged:

1. **Visible loss or damage:** Note on freight bill or express delivery and have signed by the person making delivery.
2. **File claim for damages immediately:** Regardless of the extent of damage.
3. **Concealed loss or damage:** If damage is noticed after unpacking, notify the transportation company immediately and file 'Concealed Damage' claims with them. This should be done within fifteen (15) days from the date delivery is made to you. Retain container for inspection.

July 2017

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INSTALLATION INSTRUCTIONS

The area around the appliance must be kept free and clear of combustibles such as solvents, cleaning liquid, broom, rags, etc. Proper clearances must be provided at the front of the appliance for servicing and proper operation. Provisions shall be incorporated in the design of the kitchen, to ensure adequate supply of fresh air and adequate clearance for air openings into the combustion chamber, for proper combustion, and ventilation.

For proper operation of the appliance, do not obstruct the flow of combustion and ventilation air. The installation must conform with local codes, or in the absence of local codes, to the national fuel gas code, ANSIZ223.1-1988 (or latest addenda), national gas installation code, CAN/CGA-B 149.1, or the propane installation code, CAN/CGA-B 149.2 as applicable.

The appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of that system in excess of ½ PSI.

The appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressure equal to or less than ½ PSI.

The gas supply line must be at least the same size as the inlet of the appliance. Installation on non-combustible floor shall be with factory supplied legs or casters.

<u>CLEARANCE:</u>	<u>Combustible</u>	<u>Non-Combustible</u>
Sides	6"	0"
Rear	6"	0"

WARNING: Hot oil and hot surfaces can cause severe burns. Use caution when operating the fryer.

Do not attempt to move the fryer filled with hot oil or shortening.

Do not go near the area directly above the flue when fryer is in operation. Severe burns may be caused.

Drain hot oil in metal containers, do not use plastic buckets or glass containers.

FLEXIBLE COUPLINGS, CONNECTORS AND CASTERS

If the unit is to be installed with casters, the installation shall be made with a connector that complies with the Standard for Connectors for Movable Gas Appliances, ANSI Z21.69 or Connectors for Moveable Gas Appliances, CAN/CGA-6.16, and a quick-disconnect device that complies with the Standard for Quick-Disconnect Devices for Use With Gas Fuel, ANSI Z21.41, or Quick Disconnect Devices For Use with Gas Fuel CAN1-6.9. Locking front casters are provided to limit the movement of the appliances without depending on the connector or associated piping. A suitable strain relief must be installed with the flexible connector.

Restraining device may be attached to the back frame/panel of the unit.

All connections must be sealed with a joint compound suitable for LP gas and all connections must be tested for leaks with a soapy water solution before lighting pilots.

MAINTENANCE

CLEANING:

For continued performance efficiency and longevity of your Fryer, it is essential to carry out a good maintenance program.

DAILY:

1. Remove all "LOOSE" parts (Basket hangers, baskets, crumb screen, etc.) and wash thoroughly.
2. Wipe clean all exterior and interior accessible surfaces and parts.
3. Filter the liquid oil/shortening at the end of the day, replace if necessary. If fryer is under heavy use, filter more often during the day.

WEEKLY:

1. Shut down the fryer. Allow oil to cool down.
2. Drain the oil in a filter pan or steel container. Flush out sediments at the bottom of the vessel with liquid oil.
3. Close the drain valve and fill the vessel with a mixture of boil-out solution and water.
4. Turn on the fryer.
5. When the solution starts to boil, turn fryer off.
6. Drain out solution, scrub the insides with a brush and rinse thoroughly.
7. Repeat the cleaning procedure, if necessary.
8. Wipe dry with soft towels and refill with clean oil/shortening.

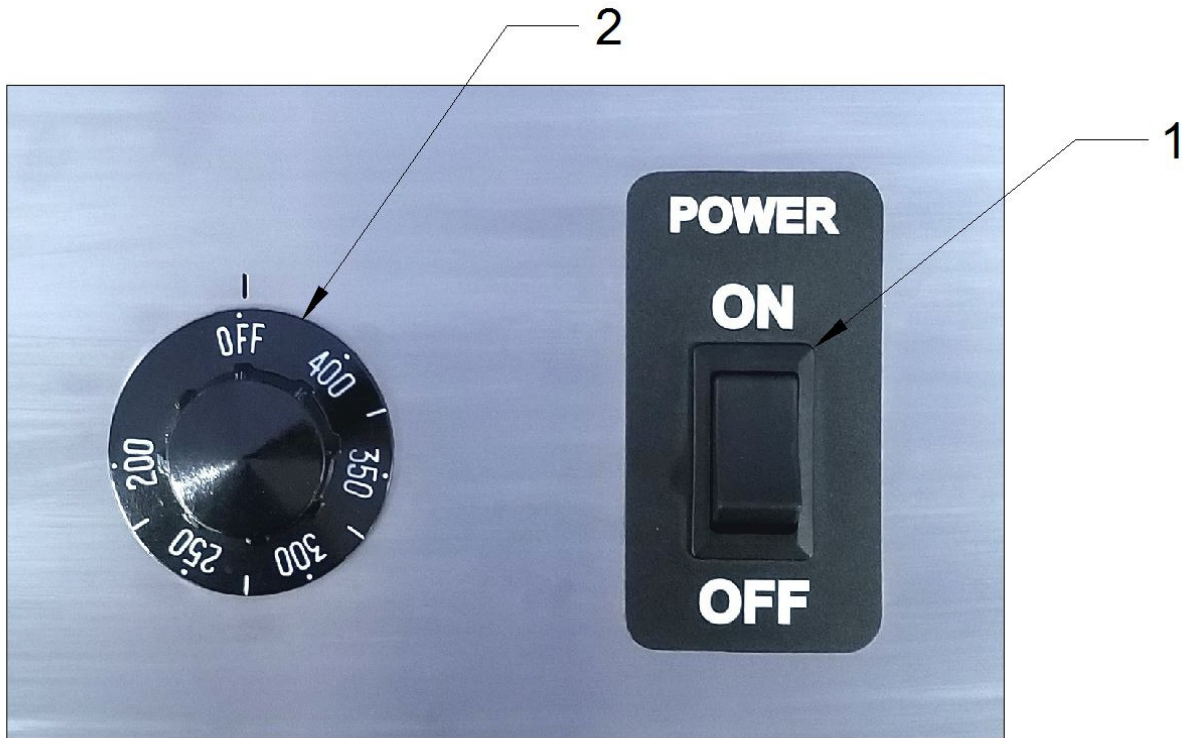
WARNING: All water must be removed before adding oil or shortening. Not doing so can result in splattering of hot oil.

STAINLESS STEEL PARTS

Do not use steel wool, abrasive cloths, cleaners or powders to clean stainless steel surfaces. All stainless steel parts should be wiped regularly with hot soapy water during the day and a stainless steel liquid cleaner at the end of the day. To remove encrusted materials, soak in hot water to loosen the material, then use a wood or nylon scraper.

Contact the factory, factory representative or an authorized, qualified service company to perform maintenance and repairs.

CONTROL PANEL DESCRIPTIONS



1. POWER SWITCH

Main Power

2. THERMOSTAT DIAL

Turns the Fryer ON and OFF to set temperature.

**** WARNING: DO NOT START THE FRYER UNLESS SHORTENING/OIL IS AT THE LEVEL INDICATED ON THE REAR WALL OF THE FRYER. STARTING THE FRYER WITHOUT SHORTENING/OIL COMPLETELY COVERING THE HEAT TUBES WILL CAUSE HEAT STRESS AND LEAD TO POTENTIAL OIL LEAKS. ****

PREPARATION FOR USE

New units have a coating of oil on the interior of the vessel (vat). To remove this coating, a BOIL OUT procedure must be performed. See section below.

FRYER VESSEL BOIL-OUT

Boil out each new fryer. Follow the cleaning instructions on the boil out solution's label. **WARNING: ONLY USE A COMMERCIAL GRADE "NON-CHLORINE" BOIL-OUT PRODUCT!!**

BOIL-OUT PROCEDURE:

1. Ensure that Drain Lever is in the closed position. Add water into the vessel (vat) to the level mark on the rear wall.
2. Add the amount of BOIL-OUT solution per directions on its label.
3. Turn the POWER switch to ON.

4. Turn the Thermostat dial to 200°F, burners will come.
5. Allow to BOIL for 10 minutes.
6. During boil-out, frequently scrub the sides, front and rear of the fryer vessel (vat).
7. After 10 minutes of boil, turn the thermostat dial to off.
8. Carefully dispose of the boil-out solution.
9. Use a scrubbing pad to remove any buildup on the heating tubes and vessel (vat) walls.
10. Rinse with hot water until the water coming out of the drain valve is clear.
11. Thoroughly wipe the sides, heat tubes and bottom of vessel (vat) with clean, lint- free dry towels to remove any remaining water.

USE OF SOLID SHORTENING

MELTING SOLID SHORTENING:

1. Fryer must be off and cool.
2. Ensure that Drain Lever is in the closed position.
3. Remove crumb screen.
4. Place small pieces of shortening into the vessel (vat) and THOROUGHLY pack them between, below and above the HEAT tubes. Fill to level mark on the rear wall.
5. Turn the POWER switch to ON.
6. Turn the Thermostat dial ON for 10 seconds and OFF for about a minute periodically to gently heat and melt the solid shortening. If necessary continue adding solid shortening. Do not overfill the vessel.
7. Once the heat tubes are COMPLETELY covered with LIQUID to the level mark on the rear wall, place the crumb screen in the vessel (vat).

USE OF OIL

1. Fryer must be off and cool.
2. Ensure that Drain Lever is in the closed position.
3. Add oil to the level mark on the rear wall. Do not overfill the vessel.

OPERATION

LIGHTING/START:

1. Turn the POWER switch to ON.
2. Turn the Thermostat Dial to 350°F, burners will come on and preheat shortening/oil to dial setting.
3. When shortening/oil reaches the set temperature, the Fryer is ready to Cook after the shortening/oil is thoroughly stirred.

** For complete **SHUT DOWN**, turn Thermostat dial to “OFF” and turn the Power Switch to “OFF”. **