WARRANTY

Congratulations on the purchase of this Franke product! Franke is one of the world's largest manufacturers of kitchen systems. Our products are manufactured using the highest degree of technology, quality and design. As a result, we are proud to offer the following warranty:

Warranter: Franke Kitchen Systems, LLC, 800 Aviation Parkway, Smyrna, TN 37167

ONE-YEAR LIMITED WARRANTY

The Warranter promises the original purchaser to repair or replace, at the Warranter's option, any part of this HT-100 Heating Tank that proves to be inoperative due to a defect in material or workmanship under normal use, for a period of one (1) year from the date of purchase. This warranty will be honored provided the HT-100 Heating Tank has been installed and operated in accordance with the written instructions furnished with the HT-100 Heating Tank.

GENERAL PROVISIONS AND EXCLUSIONS

This warranty applies only within Canada and the United States of America. This warranty will be honored if the unit is returned in the original carton (or suitable replacement) along with proof of purchase. This warranty does not apply to bonus and/or accessory items sold with the HT-100 Heating Tank. This warranty does not apply if the affixed serial number is removed, defaced or obliterated. This warranty does not cover poor performance, failure or damage of any part resulting from external causes such as alterations, abuse, misuse, misapplication, corrosion, liming conditions or acts of God. This warranty and the Underwriter's Laboratory or Canadian Standard Association listing for this HT-100 Heating Tank are automatically voided if this HT-100 Heating Tank is altered, modified or combined with any other machine or device. Alteration or modification of this HT-100 Heating Tank may cause serious flooding, and/or hazardous electrical shock or fire.
Proof of Purchase Required.
Warranty Not Transferable.

Any replacement excludes transportation and any labor or re-installation costs. This warranty does not allow recovery of incidental or consequential damages such as loss of use, delay, property damage or other consequential damage, and Franke accepts no liability for such damages. The Franke warranty is limited to the conditions and warranty period specified above and is exclusive. Franke Disclaims all other warranties, expressed or implied, including implied warranties of merchantability and/or fitness for a particular purpose. This warranty gives you specific legal rights that may vary from state to state. For further information about our products, the installation of them, or the warranty, please contact our customer service department:

Franke Kitchen Systems, LLC
800 Aviation Parkway
Smyrna, TN 37167
800-626-5771
www.frankeksd.com

Part No. INST-HT-100
Print 4/2016

MAKE IT WONDERFUL FRANKE

INSTALLATION MANUAL

HT-100 LITTLE BUTLER HEATING TANK

MAKE IT WONDERFUL FRANKE

HEATING TANK SAFETY INSTRUCTIONS

Please read all instructions carefully. This product for household use only.

The alert symbols point to important safety information to make you aware of potential hazards that can cause serious injury or death. Please pay special attention to the information following these alerts and warnings. Failure to comply with these instructions can result in property damage, serious injury or death.

⚠ DANGER

ELECTRIC SHOCK HAZARD: Using an ungrounded or improperly connected appliance can result in serious injury or death from electrical shock. This appliance must be grounded. This instant hot water dispenser is equipped with a cord that has a grounding conductor and a grounding pin. The plug must be connected to an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not modify the plug provided with the appliance – if it will not fit the outlet, have a proper outlet installed by a qualified electrician. Check with a qualified electrician or serviceman if you are in doubt as to whether the instant hot water dispenser is properly grounded.

⚠ WARNING

PERSONAL INJURY: This hot water tank produces instant hot water of approximately 200F (93°C) ±5°, which can cause severe burns. Do not let children operate the system. This tank is a non-pressurized tank. DO NOT modify this system. DO NOT close vent tube or connect valves to the tank or use closed type dispensing faucets, which could cause pressure to build in the tank and cause the tank to burst. Only use parts provided with this heating tank and only use tank with open vent dispensing faucets (sold separately) which are faucets that the water outlet is open to the atmosphere. Contact a certified repair person for repairs or replacement components.

⚠ DANGER

FIRE HAZARD: To minimize possibility of fire, DO NOT store flammable items such as rags, paper or aerosol cans near the tank. DO NOT store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

⚠ WARNING

PROPERTY DAMAGE: To avoid water damage, replace any loose or split tubing. Periodically inspect the unit for any signs of leakage and immediately remove from service any unit suspected of leaking.

WHEN USING ALL ELECTRICAL APPLIANCES, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED INCLUDING THE FOLLOWING:

1. Do not attempt to service this product. Repairs should be done by authorized service personnel.
2. Do not operate any appliance with a damaged cord, plug, or after the appliance malfunctions.
3. Do not use outdoors or in damp area.
4. Do not let cord hang over edge of table or counter, or touch hot surfaces.
5. Do not use appliance for other than intended household use.
6. When using the appliance, provide 4 to 6 inches of air space around the entire unit for air circulation.
7. To protect against electrical shock, do not place cord, plugs or appliance in water or other liquid.
8. The appliance must not be immersed.

HT-100
Under Sink Heating Tank Installation Instructions and Use and Care Guide

continued:

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Water does not flow right away or at all:	• Due to high temperature and for safety reasons, the tank is not under pressure causing a slight delay in water flow.	• Make sure all valves on water supply are open. • Check hose from faucet for twisting or tight bending. • Turn off the water main supply line. Disconnect the water inlet and quick connect from tank. Point the tube in a bucket or container. Turn on the main water supply valve. If water does not flow out, it means that the tube is clogged. Remove the tube and clear the clog.
Water boils or vapor appears:	• The thermostat may be set too high.	• Lower temperature setting by turning thermostat control dial counter clockwise.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Water and steam spits forcefully from spout without turning on the dispenser faucet.	• Unit is boiling. *May be normal during initial setup.*	• Activate faucet lever to release some water from the tank. • Adjust water temperature using dial on tank front. *Remember that at higher altitudes,water boils at lower temperatures.*
Water is not hot.	• The unit is unplugged. • The electric outlet is inoperative.	• Make sure the unit is connected to a properly grounded electric outlet. • Make sure the circuit breaker or fuses are functioning properly. • Check that the outlet is not switched off and that the outlet has power. • Turn thermostat control dial fully clockwise. This may produce boiling water in approximately 15 minutes and possibly be accompanied by a gurgling sound in the tank and/or water "sputtering" from the faucet. If the water boils, turn thermostat control dial slightly counterclockwise until the gurgling and/or "sputtering" stops. This should take place within 20 seconds. Turn control dial an additional 1/8" (3 mm) counterclockwise at the tip of the dial. Wait 15 minutes and check the temperature of the water.
Water is too hot or not hot enough.	• Thermostat is not adjusted to your needs.	• Adjust the thermostat slowly by turning the dial clockwise to raise temperature or counter clockwise to reduce temperature. Then activate faucet lever for 20 seconds to bring in fresh water to be heated at the new setting. Allow 5-7 minutes for water to reach new temperature.
Water is dripping from the spout/vent intermittently.	• The thermostat may be set too high. • The expansion chamber isn't draining properly due to low water pressure. • The spout is blocked.	• Turn thermostat control dial counterclockwise. • Check that the hose connecting the faucet to the hot water dispenser tank is not clogged, twisted, or kinked. • Unplug the unit. If the dripping doesn't stop after a few minutes, check the supply valve to ensure that is fully open and there are no obstructions in the water line reducing the pressure below 20 psi (i.e.,a poorly mounted saddle valve, a clogged water filter, or a partially opened shut-off valve). • Unscrew spout end piece and clean out any debris. • Check for proper installation of tubing from faucet to dispenser tank and faucet to water line. If connected backwards or cross-connected, valve may be damaged.

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ASSISTANCE OR SERVICE

If you need assistance or service, first see "Troubleshooting" section. Additional help is available by calling 1-800-626-5771 or write:

Franke Kitchen Systems
Luxury Products Group
800 Aviation Parkway
Smyrna, TN 37167

Please include a daytime phone number in your correspondence. For installation and service, call: 1-800-626-5771 or visit our website at www.frankeksd.com.

Keep this book and your sales slip together for future reference. You must provide proof of purchase or installation date for in-warranty service. Write down the following information about your appliance to help you obtain assistance or service if you need it. You will need to know your complete model number. You can find this information on the model and serial number label.

Dealer Name_____

Address_____

Phone Number_____ Model Number_____

TECHNICAL DATA

Water temperature	200°F
Heating tank capacity	2 .5 Quarts (2.4L)
Supply voltage	120 VAC
Frequency	50/60 Hz
Minimum water pressure	20 psi
Maximum water pressure	60 psi

c UL US LISTED
INSTANTANEOUS WATER HEATER
(E476958)

This product is certified to ASME A112.19.3/CSA B45 for stainless steel plumbing fixtures, NSF/ANSI Standard 372 lead content, which is in compliance with California's Health and Safety Code Section 116875 (commonly known as AB1953).

CONTENTS IN BOX:

When you purchase the HT-100 heating tank- contents include:

1. Tank 
2. 1/4" push fitting for water inlet tube 
3. Hose Clamp 
4. Connector/Reducer adapter for tank outlet 

INSTALLATION REQUIREMENTS

For best results, Franke recommends its products be installed by a licensed, professional plumber. The installer should familiarize themselves with how this heating tank will be installed. Make certain to observe all local plumbing and building codes during installation of this unit. Proper installation is the responsibility of the installer. Water connections using push fittings DO NOT require any type of sealing compounds to prevent leakage. Use of any sealing compounds in push fitting connections will VOID THE PRODUCT WARRANTY.

TYPE OF FAUCET REQUIRED

Although this system should function with any "open vent" style dispensing faucet (see pg. 2) when properly installed, we can only guarantee proper performance when this tank is paired with a Franke dispensing faucet, so we strongly recommend using only genuine Franke dispensing faucets with the HT-100 Heating Tank.

TOOLS AND MATERIALS REQUIRED (NOT PROVIDED)

1. Two mounting bracket screws and plastic support (if attaching to dry wall).
2. Ruler or measuring tape
3. Pliers
4. Hand or electric drill
5. Small drill bit for starter holes
6. Gloves
7. Safety glasses
8. Open end wrench
9. Drip pan or bucket

IMPORTANT INFORMATION

This product is not intended to produce a continuous flow of hot water. This model will produce up to 60 cups of water per hour at approximately 200F (93C)+/-5. Due to high water temperature, for safety reasons the tank is not under pressure. Consequently, there is a slight delay of water flow after the faucet has been turned on. This is normal and indicates the tank is functioning properly.

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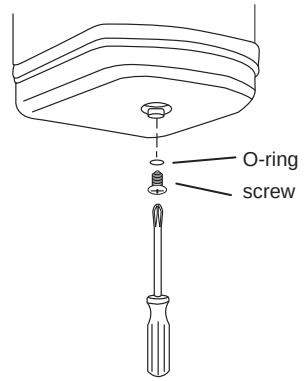
CLEANING AND MAINTENANCE

To prevent damage when the dispenser is exposed to freezing temperatures, or for seasonal shutdown, the water must be drained..

DIAGRAM 4



1. Unplug the heating tank from power supply.
2. Turn thermostat control dial to OFF position (fully counter clockwise).
3. Turn faucet on and run water until water is cold.
4. Place a 3 quart container under the drain plug at bottom of the tank. Use a screwdriver to remove the screw and O-ring in the drain tube opening. When tank is fully drained replace O-ring and screw. Tighten to reseal the drain as in Diagram 4.
   ⚠ WARNING Do not plug appliance into power supply if tank is empty.
5. Only use mild cleaners to clean the tank. Cleaners with acids, abrasives, alkaline or organic solvents will result in deterioration of the plastic components and void the warranty.

CARE AND USE

⚠ **WARNING** – Electric shock hazard. To prevent electrical shock, disconnect power before servicing unit. Use only a properly grounded and polarized electrical outlet.

DIAGRAM 3

Adjusting the Thermostat
Factory temperature pre-set is 194F +/- 5F. To reset the thermostat to that setting, turn the indicator slightly to the right of vertical as shown in Diagram 3.

⚠ **DANGER** – Scalding Hazard. Do not allow water to boil. May result in severe burns. If setting on your thermostat is causing water to boil, decrease the thermostat setting.

To adjust the thermostat, slowly turn the dial clockwise to increase the temperature, and counterclockwise to decrease the temperature, then activate faucet handle for 20 seconds to bring in fresh water to be heated at the new setting. Allow 5-7 minutes for water to reach new temperature

Indicator Light
If the indicator light is green, hot water is available to dispense
If the indicator light is red, this indicates the water is still heating to its set temperature

Preventing Property Damage

- Regularly inspect the unit for any signs of leakage. If there are signs of water damage, immediately remove the unit from service.
- To avoid water damage from leakage, replace all cut, loose or split tubing.
- A drain pan, plumbed to an appropriate drain or outfitted with a leak detector, should be used in those applications where any leakage could cause property damage.

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Under Sink Heating Tank Installation Instructions and Use and Care Guide

ELECTRICAL REQUIREMENTS

A 120-volt, 60-Hz, 15- or 20-amp, grounded electrical supply is required. It is recommended that a separate circuit serving only your Heating Tank be provided. Use an outlet that cannot be turned on/off by a switch. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

⚠ WARNING

Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire or electrical shock.

RECOMMENDED GROUND METHOD

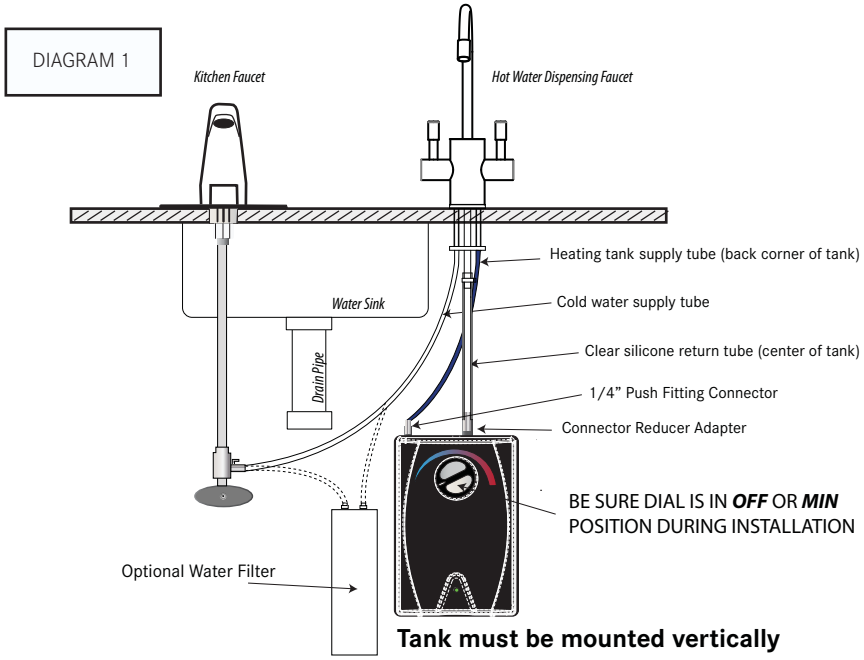
The heating tank must be grounded. This appliance is equipped with a power supply cord with a 3 prong ground plug. To minimize possible shock hazard, the cord must be plugged into a mating, 3 prong, ground-type outlet, grounded in accordance with all national and local codes and ordinances. If a mating outlet is not available, it is the personal responsibility and obligation of the customer to have a properly grounded, 3 prong outlet installed by a qualified electrician. If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

LOCATION REQUIREMENTS

Determine where the heating tank and all components being used in the installation should be mounted beforehand and make sure there is adequate clearance for plumbing and electrical components and there is enough tubing to reach the intended mounting positions. For best performance, position the heating tank to allow a 4” space around the top and sides. Do not put any objects on top of the heating tank.

INSTALLATION INSTRUCTIONS

The following instructions pertain to the connection of this heating tank to Franke Little Butler® series dispensing faucets and optional Franke filtration systems. Diagram 1, below is for visual reference of the installation steps.



Step 1 – Install "open vent" dispensing faucet per faucet instructions. For fresher tasting water, a Franke filtration system can be used with the Heating Tank as long as water pressure to the heating tank does not drop below 20 psi. This will be connected in line ahead of the dispensing faucet as illustrated in Diagram1.

Step 2 – Mount heating tank in cabinet underneath the sink in desired location. There are holes in the back of the tank for easy mounting to the wall using screws (not provided).

Step 3 – Connect dispensing faucet to heating tank.

- Connect ¼" push fitting included with the tank to the water inlet near the back corner of the heating tank
- Connect heating tank supply tubing from the dispensing faucet to the push fitting at the water inlet of the heating tank
- For push fittings, do not use any form of sealing compounds, this is not required for push fit connections, and using sealing compounds could cause leaks. All tubing connections must be firmly seated. Tubing must be routed to avoid sharp bends and have enough slack to avoid straining connections. See Diagram 2 for details on tubing installation and removal.

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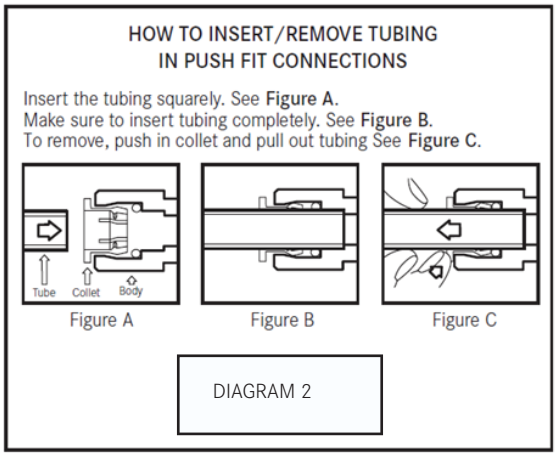

- Connect silicone heating tank return tubing from the dispensing faucet to the center outlet on top of the tank using the connector/reducer adapter and the hose clamp included with the heating tank.

- Silicone tubing can also be cut to length so there are no unnecessary loops or twists or kinks.

Step 4 – Turn on water supply and open hot valve in dispensing faucet to fill tank (about 1 minute). When tank is full, water will flow from the dispensing faucet. Inspect for leaks while faucet is running and after turning faucet off.

Step 5 – Prepare for Power

Double check the thermostat control dial is in the **OFF position.** Thermostat control dial controls the water temperature, not the water flow or delivery.

⚠ WARNING

This dispenser is equipped with a self re-setting thermal fuse.
Turn the thermostat to OFF position and fill tank with water before plugging the power cord from the tank into an electrical outlet.
If tank is empty and the thermostat set in the ON position when the power cord is connected, the self re-setting fuse in the heater control will disconnect the current to the heater after approximately one minute, thus protecting the heater from a "dry start" failure. The fuse in the heater control will self-reset after approximately 1/2 hour. Turn on the water supply to the tank and continue the installation.
Continued misuse will cause damage to the appliance and is detectable thus, voiding the warranty.

Step 6 - Test Installation

Plug electrical cord into a grounded 3-prong outlet. Do not use an outlet controlled by an off/on wall switch. Turn thermostat control dial clockwise to the highest position. Maximum temperature will be reached in about 15 minutes and dispenser will be ready for use. Lower the temperature setting by turning thermostat control dial counterclockwise if you notice vapor or a boiling noise. To raise or lower the water temperature, rotate the thermostat dial. At the LOW setting of thermostat dial water temperature will be approximately 140°F (60˚C) ±5°and the HIGH setting of the thermostat dial water temperature will be approximately 200°F (93°C) ±5°.