

GN1100 / HC1100

instant hot water dispenser



owner's manual

manuel d'utilisateur
manual del usuario

**IN
SINK
ERATOR®**

Welcome to the world of filtered hot water convenience, from In-Sink-Erator Hot Water Dispensers

Congratulations on the purchase of your new In-Sink-Erator Series 1100 Hot Water Dispenser! This system will provide safe, filtered hot water on demand for the ultimate in sinktop convenience.

How it works: A small tank, mounted neatly under the cabinet, maintains a 1/2 gallon of water at near-boiling (up to 212°F) temperature. Cool tap water is plumbed into a valve in the dispensing faucet. When the valve is opened, the cool tap water flows into the tank displacing the near-boiling water, which flows out of the faucet. The hot water dispenser can be less costly than heating water on a stove-top or microwave because the only water heated is that which is consumed!

The HC System dispenses fresh, filtered, near-boiling water and cool drinking water.

The GN System dispenses fresh, filtered, near-boiling water only.



Know what these safety symbols mean:

⚠ DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

The Installation, Care and Use of your new 1100 Series In-Sink-Erator Hot Water Dispenser

Save this important safety information!

WARNING

This product dispenses water at temperatures up to 212°F, which is hot enough to cause severe burns. Caution should be exercised when installing and using this product. Under no circumstances is this product to be altered in any way other than that which is specifically addressed in these instructions. Doing so may void your warranty.

CAUTION

Premature connection of the unit to an electrical supply could result in a “dry start” condition, which could damage the unit and void your warranty. The unit must be completely installed and the tank must be completely full with water running from the dispenser before plugging the unit in to an electrical supply.

CAUTION

Do not under any circumstances use bleach, abrasive liquids, powders or scouring pads to clean the faucet as doing so could void your warranty. Occasional cleaning with a soft cloth and warm soapy water is sufficient.

CAUTION

A hot water dispenser, like any water heater, has limited life and will eventually fail. To avoid possible property damage, a hot water dispenser should be regularly examined for leakage and replaced when necessary. A drain pan plumbed to an appropriate drain is highly recommended in those applications where any leakage could cause property damage.

IMPORTANT SAFETY INSTRUCTIONS

WARNING – When using electrical appliances, basic safety precautions to reduce the risk of fire, electric shock, or injury to persons should be followed:

1. READ ALL INSTRUCTION BEFORE USING THIS WATER HEATER.
2. This water heater must be grounded. Connect only to properly grounded outlet. See “GROUNDING INSTRUCTIONS” found on page 4.
3. Install or locate this water heater only in accordance with the provided installation instructions.
4. Use this water heater only for its intended use as described in this manual.
5. Do not use an extension cord set with this water heater. If no receptacle is available adjacent to the water heater, contact a qualified electrician to have one properly installed.
6. As with any appliance, close supervision is necessary when used by children.
7. Do not operate this water heater if it has a damaged cord or plug. If it is not working properly, or if it has been damaged or dropped.
8. This water heater should be serviced only by qualified service personnel. Contact nearest authorized In-Sink-Erator service agent for examination, repair, or adjustment.

Specifications & Approvals

Tank Electrical Specifications: 750 watts, 115 volts, 6.5 amps.
With 3-wire cord and 3 prong plug provided.

Tank Capacity Specifications: 1/2 Gal: 60 cups per hour

Tank Thermostat Specifications: Adjustable from 160°-200°F

F201 Chemical & Mechanical Reduction Filter Specifications: (Use replacement cartridge F-201R) This cartridge (included with the system) provides mechanical and chemical reduction of dirt/rust, taste/odor, chlorine and particulates.

Pressure: 30-125 psi

Temperature: 33°F-100°F

Flow Rate: 0.75 gpm

Capacity: 500 gallons



System is tested and certified by NSF International against ANSI/NSF Standard 42 for the reduction of Particulate Class I, Chlorine Class I, Taste and Odor.

Filter Capacity: 500 gallons, depending on local water conditions. Note that while the testing was performed under standard laboratory conditions, actual performance may vary.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. For cold water use only. Systems must be installed and operated in accordance with the Manufacturer's recommended procedures and guidelines. See warranty card for warranty. For service and parts, contact your local dealer or In-Sink-Erator directly at 1-800-558-5700.

Contaminant Reduction	Average Influent ppm	Product Water ppm	Average Reduction	USEPA Recommendation	NSF TEST
Taste/Odor/Chlorine	2.10	0.05	97%	N/A	500180-00
Particulates	286667	1683	99%	N/A	500181-00

Application guidelines/Water Supply Parameters for NSF Testing: Service flow of 0.75 gpm, community or private well water supply, water pressure of 30-125 psi, water temperature of 33°F-100°F. Except as noted, all testing performed at pH = 7.5±0.5, Flow: 0.75 gpm, Pressure: 60 psi, Temp: 20°±3°C.

Contact an authorized In-Sink-Erator service agent for repairs or replacement components.

Grounding Instructions

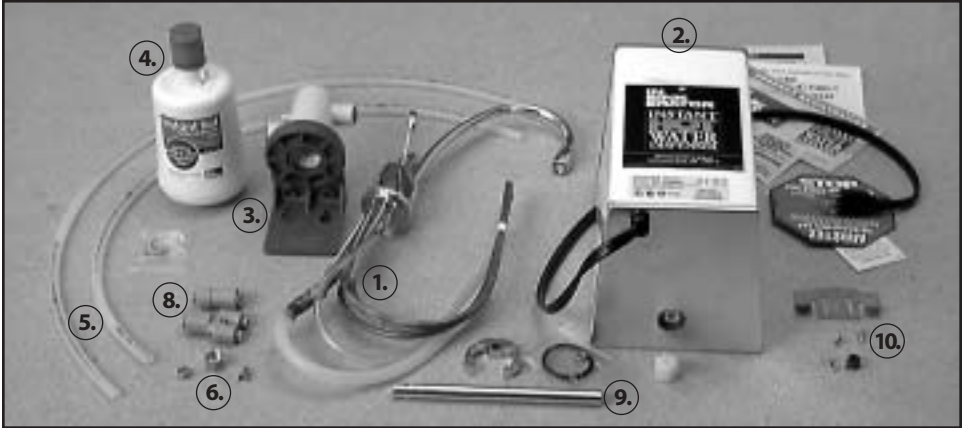


Electric Shock Hazard. Using an ungrounded or improperly connected appliance can result in serious injury or death from electric shock.

This appliance must be grounded. This appliance is equipped with a cord having an equipment 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. Please size electrical supply appropriately and check rating plate for electrical requirements. 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 appliance is properly grounded.

Parts & Components

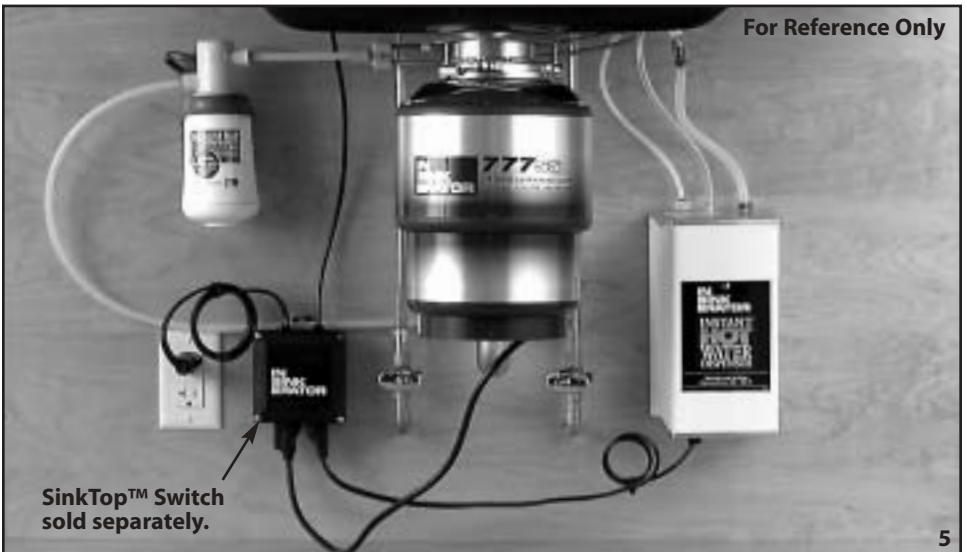
In general, you'll be installing a faucet above-sink, with a filter assembly and a heating unit below-sink. You'll also be connecting all of the plumbing. Under the sink you'll need a grounded electrical service outlet, a connection to the cold water line (not included), and enough space to install the filter and tank assemblies.



1. Dispenser Faucet (HC Model shown)
2. DuraTank™ Hot Water Tank
3. Filter Head & Bracket Assembly
4. F-201 Filter Cartridge
5. Two 3/8" x 3' Polyethylene Tubes
6. 3/8" Brass Nut, Ferrule, and Tube Insert
7. 6" Filter Vent Tube (not shown)
8. 3/8" to 1/4" Quick-Connect Union Fitting (for GN1100 models) or 3/8" to 1/4" Quick-Connect "Y" Fitting (for HC1100 Models)
9. Dispenser Faucet Mount O-Ring, Clamp Plate, 6 mm Nut and Installation Tool
10. Tank Mounting Bracket and Screws

Here's what a typical complete installation should look like when you're done:

Note: Component placement should be such to avoid electrical outlet.



SinkTop™ Switch
sold separately.

Planning, Preparation and Tools

Things to check *before* you begin:

Can you make the cold water connection?

If not, you may want to consult a qualified plumber, and have an appropriate plumbing fitting installed.

Do you know where you want to locate the faucet and tank?

If you have to drill through the sink or countertop, you will need to rent or purchase the appropriate tools. (See Step 3)

Do you have a grounded electrical outlet under the sink?

If not, you will need to have electrical service installed by a qualified electrician. For safety, GFCI's (Ground Fault Circuit Interrupter) are recommended.

Make sure you have room. Ensure that the area where you install the dispenser allows room for the handles to actuate fully and for the neck to swivel. About 3" of clearance behind the dispenser faucet should be enough.

This installation should take 2 hours and be accomplished easily, even if you have no prior electrical or plumbing experience. Read the installation manual first, and be sure to plan ahead for any tools or parts you may need.

Tools you may need include:

A pan or tub to catch drips, a rag or towel, a cordless drill, phillips and flat head screwdrivers (or phillips and flat head screwdriver bits for your cordless drill), an adjustable wrench, pliers, a utility knife, a pencil, a ruler, a tube bender, a tube cutter, and finally cord ties or wraps to keep the tubing and cabling tight and out of the way.



Plumbing & Electrical Requirements

Plumbing: Be sure that any plumbing connections conform to your applicable local codes. The water supply line pressure should be at least 30 psi (pounds per square inch). Low water pressure can cause water to drip from the spout.

Electrical: The hot water tank should have power supplied to it at all times. It should not be controlled by the same wall switch that operates your disposer. If the outlet supplying power is controlled by a switch and also supplies power to another appliance (such as your food waste disposer), the In-Sink-Erator SinkTop™ Switch can be used to avoid electrical wiring changes.

The SinkTop™ Switch conveniently switches power between two electrical outlets, which allows the hot water dispenser and food waste disposer to be connected to the same electrical outlet. Consult your local plumbing supplier for more information, or visit www.insinkerator.com.



⚠ DANGER

Electric Shock Hazard. A standard grounded outlet within 30" of the dispenser is required under the sink for the dispenser's requirements. Do not use an extension cord set with this water heater. If no receptacle is available adjacent to the water heater, contact a qualified electrician to have one properly installed. Size electrical supply appropriately. Ensure that all electrical wiring and connections conform to applicable codes.

⚠ WARNING

Personal Injury. The faucet dispenses water up to 212°F, which can instantly cause scalds or burns. Use care when operating this appliance.

⚠ WARNING

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

Personal Injury. This tank is a non-pressure tank. Do not modify this system. Do not close vent tube or connect other type dispensers or valves to the tank. Use only the dispenser faucet supplied. Use only parts provided. Contact an authorized In-Sink-Erator Service agent for repairs or replacement components.

1. Turn off the water supply.

2. Straighten the copper tubing

Unpack the dispenser faucet and straighten the copper tubing carefully and smoothly. Do not pinch or break the copper tubing. Do not distort the last 1" of tubing.

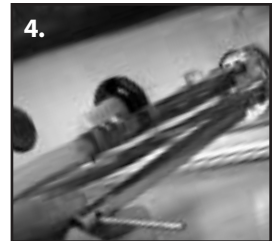


3. Mount the dispenser faucet

Ensure O-ring seal is properly seated in valve body groove, and surrounds the sink mounting hole.



While working from under the sink, place the semi-circular mounting plate on threaded stud. Attach hex nut. Then using the provided tool, tighten nut sufficiently to keep the faucet from rotating.

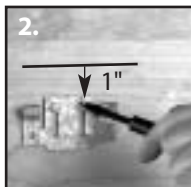


4. Mount the Hot Water Tank



Product Damage. DO NOT connect electric power until tank is filled with water. Doing so may damage the internal heating element or trip the thermal overload protector.

Mount the tank vertically in a location where the plumbing and electrical connections can be made. Clearance should be provided on the underside of the tank to allow for drainage, if necessary. Draw a line on the wall to mark the top of the tank. Locate the mounting bracket 1" below your line and mark the location of the two mounting screws. Drill two 1/4" holes for the wood screws. Hang the tank.



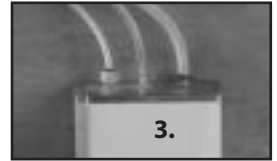
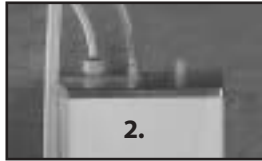
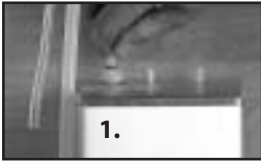
Note: Screws provided are designed for mounting into hardwood or studs. It may be necessary to use appropriate anchors when mounting to thin surfaces or drywall.

5. Connecting the Tank to the Dispenser Faucet

CAUTION **Product Damage.** Make sure bends in all copper tubing are smooth and unknicked, with no pinching, twisting, or blockage before you proceed. Pinched or blocked water lines may cause damage to the dispenser tank. Do not extend the copper lines further than the 16" provided.

Push the 1/4" semi-rigid polyethylene tube all the way to the mechanical stop (approx. 1/2") into the quick-connect fitting (Fig. 1). Slip the clear vinyl tube over the middle fitting and slide it down the stem past both of its molded barbs, approximately 1/2" (Fig. 2). Slip the flexible opaque silicone tube over the larger outlet fitting and slide it down the stem past both of its molded barbs, approximately 1/2". (Fig. 3).

DO NOT PLUG THE TANK UNIT IN.



6. Mount the Head & Filter Bracket

Install the head and bracket assembly so that all plumbing connections can be made without stretching, kinking, or pinching the 3/8" polyethylene tubes. The tubes can be cut to make installation easier. Make sure the mounting location allows for the filter cartridge to be removed and replaced.



With a pencil, mark the mounting hole locations. Pre-drilling pilot holes (1/8") may be required. Attach the mounting bracket using the screws provided. (Screws provided are designed for mounting into hardwood or studs. It may be necessary to use appropriate anchors when mounting to thin surfaces or drywall.)

The filter system is equipped with vent line that opens when the filter cartridge is removed. Under normal conditions, approximately 2 ounces (~60 cc) of water is discharged from the vent. To conveniently redirect this discharge, a 6" section of gray tubing is provided. If you wish to install, simply slide one end of the gray tube over the vent and the other end into the hole on the head & bracket assembly.

Note: **Do not locate the filter directly above an electrical outlet or above other electrical components.**

7. Make Plumbing Connections

With all of the components secured in place, the tubing connections can be made. When routing the tubing between components, several guidelines should be observed:

- Tubing runs should generally follow the contour of the cabinet rather than interfere with the cabinet storage area.
- Arrange the tubing so that there are no sharp bends. Leave some extra length in the tubing for ease of servicing, then cut tubing to the desired length.
- **Insert tubes completely into all quick-connect fittings to the stop (minimum depth of 1/2").**
- The polyethylene tubes can be cut, but caution should be exercised to ensure that a clean (burr-free) cut is made perpendicular to the tube.



Completely insert 3/8" polyethylene tubing into inlet side of filter head.



Completely insert 3/8" polyethylene tubing into outlet side of filter head.

Model GN1100



Completely insert 3/8" polyethylene tubing from outlet side of filter head into 3/8" to 1/4 quick-connect union fitting.



Completely insert dispenser faucet copper tube (marked with white tape) into the quick-connect union fitting.

Model HC1100



Completely insert 3/8" polyethylene tubing from outlet side of filter head into 3/8" to 1/4" quick-connect "Y" fitting. Completely insert both dispenser faucet copper tubes (marked with white tape and unmarked) into the quick-connect "Y" fitting.



To remove a tube from its quick-connect fitting, depress the release ring into the fitting and gently pull the tube away from the fitting.

8. Connect to Cold Water Supply Line

Supplied with the unit is a brass nut, ferrule and tube insert to connect the polyethylene tube from the input side of the filter to a standard 3/8" compression fitting. Other plumbing connections are possible – check with a qualified plumber should you have questions.



Slide the nut and ferrule over the tube and then push in the tube insert. Insert the tube into a standard 3/8" compression fitting (not supplied) and tighten. Be careful not to over tighten.



Note: Connect the filter to the cold water supply only.

9. Fill the Tank

Turn on the water supply. Push the dispenser's HOT handle and hold it to fill the tank.

Nothing will happen until the tank fills up and water begins coming out of the faucet. The water will be cold because the **TANK IS NOT PLUGGED IN.**

Run the faucet for 3 minutes to flush the filter before initial use.



10. Test the Water Connection

Test the water connection to see if it is watertight. If it is not, relieve water pressure by turning off the water supply, and adjust or tighten fittings as necessary. Note that water must flow from the dispenser faucet to test all connections.

Note: Ensure both hot and cold side are checked on the HC model.

DO NOT PLUG IN THE TANK.

11. Plug in the Tank

Once the tank is plugged in, it will take between 10 and 15 minutes for the water to reach its target temperature. During the heating cycle, you can expect to hear gurgling or hissing sounds within the tank. This is normal.

Electric Shock Hazard. This appliance must be properly grounded. Using an ungrounded appliance can result in serious injury or death from electric shock. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance. If it will not fit in the outlet, have the proper outlet installed by a qualified electrician.

Care and Use

To Adjust the Thermostat:

⚠ DANGER

Electric Shock Hazard. To prevent electrical shock, disconnect power before removing access cover to service the thermostat.

⚠ DANGER

Scalding Hazard. Do not allow water to boil. May result in severe burns.

On the front of the tank there is an access panel. Unscrew the holding screw and locate the temperature control dial.

The thermostat is pre-set at the factory to approximately 190° F. If a thermostat adjustment is required, turn knob clockwise 1/2 dial mark to increase the water temperature and counterclockwise 1/2 dial mark to decrease the water temperature.



Care and Use

Once you have made the adjustment, actuate the dispenser handle for 20 seconds and allow the water to re-heat at the new temperature setting. If the temperature is still too hot or too cold, continue to make slight adjustments. At no time should the water in the tank be allowed to boil. Boiling is indicated by water and/or steam discharged from the faucet without actuating the handle.

Replace the access panel.



To Reset the Thermal Cut-Out:

In the event the unit stops heating or fails to heat the water, check the thermal cut-out as it may have tripped. Open the access panel on the front of the tank with a screwdriver. Locate the thermal cut-out reset button and press it to reset the switch.

Replacement Filter Guidelines: It is essential that regular filter replacement be carried out for this product to perform as advertised. Replace the cartridge every three months or when there is an obvious decrease in water flowing from the faucet or when objectionable taste and/or odors return. Replace with In-Sink-Erator® brand filter cartridges. Flush new cartridges for 3 minutes before first use.

⚠ DANGER Electric Shock Hazard. To prevent electrical shock, disconnect power before servicing unit. Use only a properly grounded and polarized electric outlet.



To Replace the Filter:

Place a pan or dish-towel under the filter to catch water drainage during the cartridge change.

Slowly turn cartridge counter-clockwise completely until it stops (approx. 90° or 1/4 turn). At this position, the inlet and outlet ports have been closed and the filter's internal pressure has been relieved. Approximately 2 oz. of water will be discharged from the vent line. Pull used cartridge straight out and discard.

Insert new cartridge into filter head. Top surface of cartridge will become flush with bottom of filter head when fully engaged. Turn cartridge clockwise until it stops (approx 90° or 1/4 turn). If the new filter cartridge cannot be inserted, insert the old filter cartridge and turn completely until it stops and the arrow on the head and bracket assembly aligns with the in/out arrow on the cartridge.

Open hot water faucet to expel trapped air and allow water to run 3 minutes.

Care and Use

Seasonal Storage and Draining the Tank:

Any time you plan on being away from home for an extended period of time, unplug the unit's electrical cord and drain the unit if below freezing temperatures are expected. To drain the unit, follow these steps:

⚠ DANGER **Electric Shock Hazard.** To prevent electrical shock, disconnect power before servicing unit. Use only a properly grounded and polarized electric outlet.

Disconnect electricity

Push hot water dispenser faucet lever and allow the water to flow until cool. Shut off the dispenser water supply at the shutoff valve. Remove the drain cap located in the center of the bottom of your dispenser tank and drain the water into an empty pail. After emptying the tank, reinstall drain cap on to bottom of tank. When you put the unit back into operation, be sure to refill tank with water before re-connecting the electrical plug. Review Installation step 13.

Cleaning the Faucet and Tank:

Use only mild cleaners to clean the dispenser faucet and plastic components. Use of cleaning agents containing acids, alkalines and organic solvents will result in deterioration of plastic components.

⚠ CAUTION **Property Damage.** To avoid water damage due to leakage, replace any cut, loose or split tubing. Periodically inspect the unit for any signs of leakage and immediately remove from service any unit suspected of leaking,



Troubleshooting

Problem	Possible Cause	What to do
Water is not hot	Unit not plugged in or electric outlet is inoperative Thermal cut-out may have been tripped.	Check that the unit is connected to a properly grounded electric outlet and that circuit breakers or fuses are in good order. Make sure outlet is not switched off. See page 13.
Water too hot or not hot enough	Thermostat not adjusted to your need	Adjust thermostat. See page 12.
Water dripping from the spout/vent: • When heating • Constantly	Low water pressure preventing the expansion chamber from draining properly Construction debris from water line obstructing the faucet valve seat causing a slow water leak	Unplug the unit. If the dripping stops within a few minutes, your water pressure may not be sufficient to properly drain the expansion chamber. Check that supply valve is fully open, and there are no obstructions in the water line reducing the supply pressure below 20 pounds per square inch. For example: a poorly mounted saddle valve, a clogged water filter, or a partially opened shut-off valve. Contact Service Agent.
Water comes out the vent instead of the spout (divided water stream)	Outlet tube is blocked	Check that the outlet tube is not kinked, twisted or pinched.
Water and steam spits forcefully from spout without turning on the dispenser faucet	Unit is boiling	Reduce water temperature. Remember that at higher altitudes, water boils at lower temperatures. See Adjusting Temperature.
Water taste or odor	Normal start-up	Under some water conditions your unit may need a few days to "season". Open the dispenser faucet and run until the water is cold. Allow the unit to reheat. Repeat several times per day over 3-4 days to season the unit. Replace the filter cartridge.
The new filter cartridge does not fit The filter leaks	Valve assembly in head & bracket not fully rotated O-ring breach	Re-install old cartridge and rotate to full stop. See page 13. Remove, inspect, reinstall.
No water flow or low water flow		Replace filter cartridge.

Warranty Information

Full 1 Year Warranty: Covers all replacement parts and repair labor to correct defects in material or workmanship in the dispenser system, excluding the replaceable filter cartridge, for the full warranty period from the date of installation in your home. If warranty service is required during the warranty period, contact an authorized In-Sink-Erator service agent to replace or repair the unit in your home at no cost to you.

This warranty gives you specific legal rights and you may also have other rights which vary. If the manufacturer determines that the unit should be replaced rather than repaired, the warranty on the replacement unit will be limited to the unexpired term of the original warranty. No other expressed warranty, written or oral, applies.

Warranty is determined by the serial number of the unit installed and the date of installation. Purchase or installation receipt may be required to verify warranty status. The foregoing warranty does not apply to damage or inoperation resulting from accident, alteration, misuse, abuse, improper installation, installation not in accordance with these instructions or local electrical and or plumbing codes or to product which shows evidence of having been started "dry." We do not assume any consequential damage. Warranty will be voided if installed in a commercial or industrial situation.

If you have questions concerning your unit or when service is needed, please call for the name of the nearest authorized service center.

If Your Unit Does Not Operate or the Water is Not Hot, Follow These Steps:

1. Review the previous troubleshooting page. Reread the instructions to make sure the unit is installed correctly.
2. Contact your authorized service center or In-Sink-Erator.

When writing or calling, give the following information: date, your name, address and phone number. Describe the product by model number, serial number, date purchased, place purchased, service history (include name and address of service agent) and clearly describe the problem and service required.

Other Products Available from In-Sink-Erator:

Household Food Waste Disposers, Food Service Equipment, Filtration Systems, Hot Water Dispensers, Compact Electric Water Heaters, International Products

Autres produits disponibles auprès de In-Sink-Erator :

Broyeurs de déchets alimentaires, équipement de service d'alimentation, systèmes de filtration, distributeurs d'eau chaude, chauffe-eau électriques compacts, produits internationaux

Otros productos de In-Sink-Erator:

Trituradoras de desperdicios domésticos, equipos para servicio de alimentos, sistemas de filtración, dispensadores de agua caliente, calentadores eléctricos de agua compactos, productos internacionales

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Patents 6,094,525 and 6,266,485 BI

Brevets 6,094,525 et 6,266,485 BI

Patentes 6,094,525 y 6,266,485 BI

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