



LIQUID DISPENSER

DL-1HTF

INSTRUCTION MANUAL

FOR END USER

HOSHIZAKI CORPORATION

3-16 Minamiyakata, Sakae, Toyoake, Aichi 470-1194 Japan

L1W031102 (070116)

NOTES TO USERS

- * Thank you for purchasing HOSHIZAKI's dispenser.
- * Before operating this dispenser, you should first thoroughly read this manual.
- * Please keep this manual for later reference.

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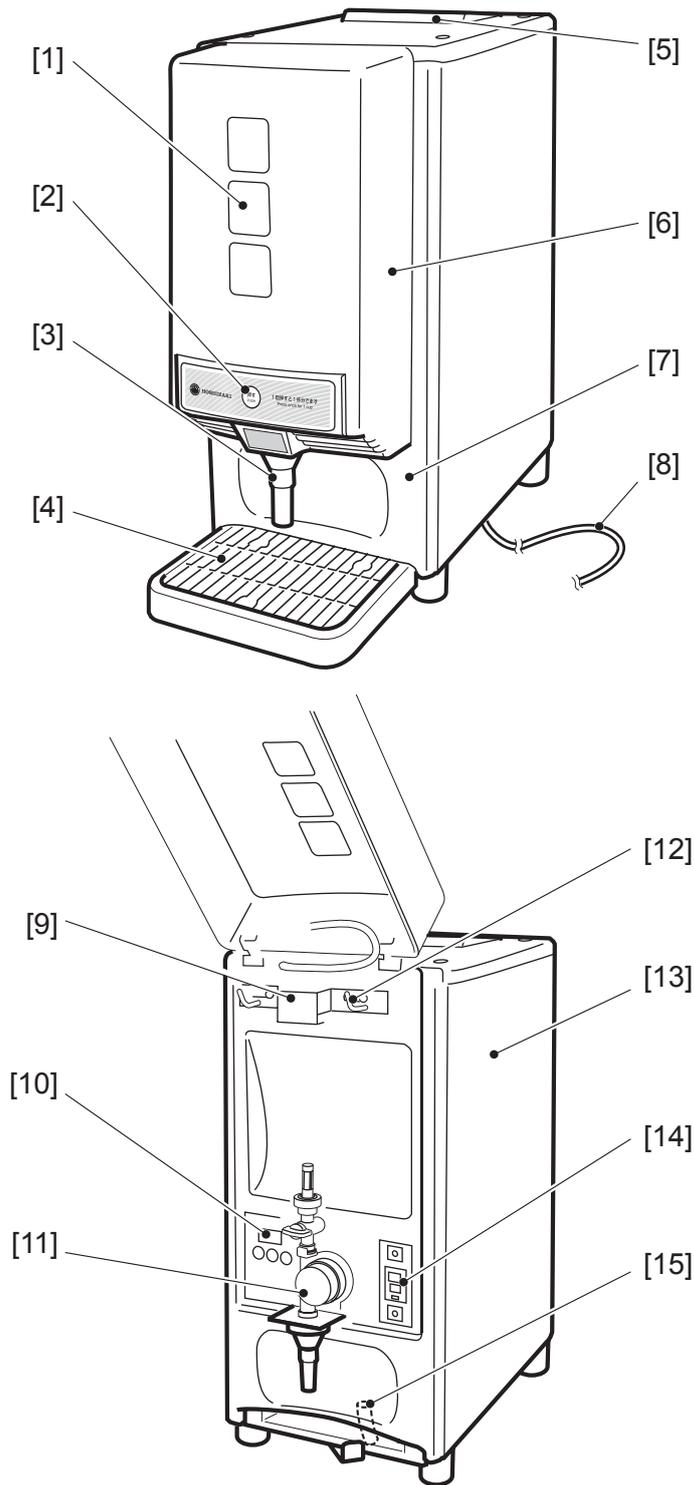
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1. CONSTRUCTION

[a] GENERAL



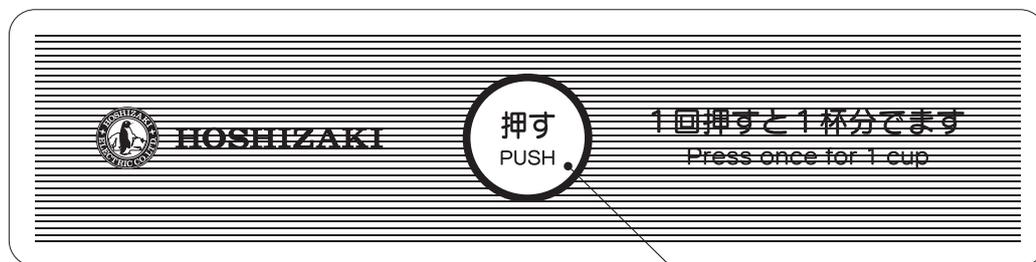
[1] Screen
The remaining premix level can be checked.

[2] Dispense Button
See “[b] DISPENSE BUTTON”.

[3] Dispensing Nozzle
Dilutes premix with hot water and dispenses product.

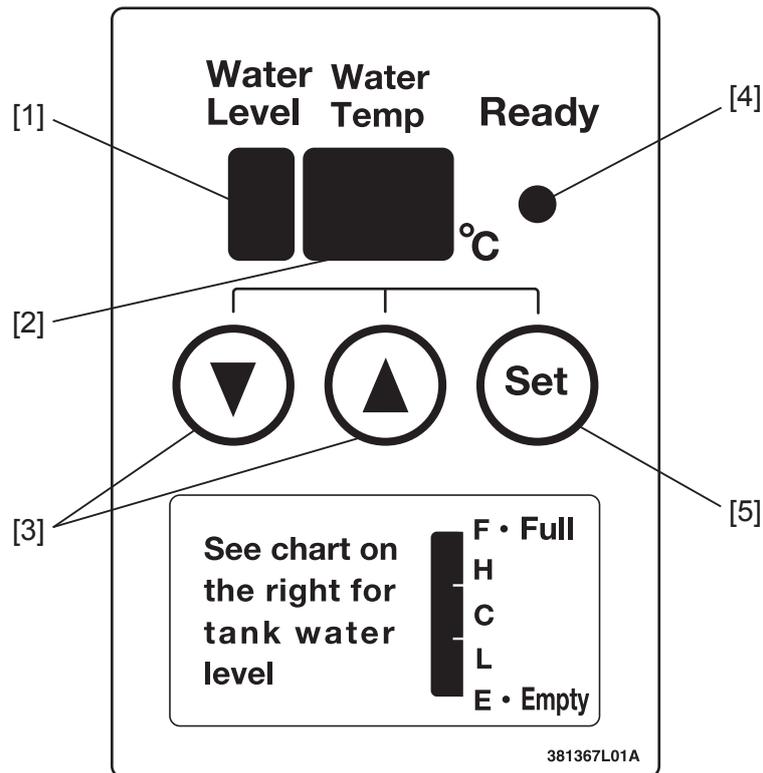
- [4] Drip Pan
Receives spilled product.
* Clean up spills as soon as possible.
- [5] Exhaust Opening
Exhausts hot air to control interior temperature.
- [6] Front Cover
- [7] Front Panel
- [8] Power Cord
- [9] Accessories
Include impellers, multi tube, reducer, joint and extra O-rings.
- [10] Temperature Display/Setting Panel
See “[c] TEMPERATURE DISPLAY/SETTING PANEL”.
- [11] Suction Pump
Draws premix from its package into the dispensing nozzle.
- [12] Hanger
Hangs a premix package.
- [13] Hot Water Tank (inside)
Heats water and keeps it hot.
- [14] Power Switch (Earth Leakage Circuit Breaker)
See “5. [f] EARTH LEAKAGE CIRCUIT BREAKER”.
- [15] Drain Valve
Drains water from the hot water tank.

[b] DISPENSE BUTTON



Press the dispense button once to dispense one cup of product. The dispense lamp flashes while product is being dispensed and stays on when product is available in the optimum temperature range.

[c] TEMPERATURE DISPLAY/SETTING PANEL



- [1] Water Level Display
Indicates the hot water tank level in five scales F (full) > H > C > L > E (empty).
- [2] Temperature Display
Indicates the hot water tank temperature.
- [3] Up/Down Button
Increases or decreases the set point.
- [4] Ready Lamp
Lights up to indicate that product can be dispensed.
- [5] Set Button
Use to change the settings.

[d] ACCESSORIES

Instruction Manual x 1	Installation Manual x 1	Maintenance Sheet x 1
Extra O-ring (S38) x 2	Extra O-ring (P10) x 3	Brush x 1
Elbow x 1	Joint Tap x 1	Nut (H) x 1
Screw x 3	Multi Tube x 2	Impeller x 2
Scale Guard x 1	Gasket x 1	Reducer x 1
Joint x 1	POP Rail x 2	POP Cover x 1

2. INSTALLATION

WARNING

To prevent possible water leak, electric shock or fire, the installation must be carried out by qualified personnel.

[a] CHECKS AFTER INSTALLATION

- * In the presence of the installer, check for proper installation according to the installation manual provided.
- * Receive the installation manual from the installer, and keep it for later reference.

[b] AMBIENT TEMPERATURE

Ambient temperature should be within 5 to 35°C. Operation of the unit for extended periods outside of this normal temperature range may affect performance.

CAUTION

To avoid the risk of corrosion, clogging and health problems, be sure to use tap water with a turbidity level of not more than 2.

[c] WATER PRESSURE

CAUTION

To prevent water leaks resulting in damage to the surrounding property, keep the water supply pressure within 0.05 to 0.78 MPa.

[d] POWER SUPPLY

Power supply voltage: 220V AC Voltage variation: 207 - 233V
Power supply capacity: 1.2 kVA

[e] CLEANING AND INSPECTION

- * The product circuit has been cleaned before shipping. But clean it again before starting up the unit, and check for proper installation of each part. See “5. MAINTENANCE AND INSPECTION”.
- * Check the wiring and piping before starting up the unit. See “5. MAINTENANCE AND INSPECTION”.

3. CHECKS BEFORE OPERATION (DAILY)

CAUTION

1. To prevent possible health problems, wash your hands before operation or maintenance of the unit.
2. Always use a food grade neutral detergent for cleaning.
3. To keep the floor clean, do not leave water or product in the drip pan until it overflows.
4. Always use a food grade ethyl alcohol (70 - 75%) for disinfection. Do not use it for any other purposes. Keep it away from children.

[a] DISPENSER

- * Check that the product circuit has been cleaned after closing time and that each part is properly installed in place. See "5. MAINTENANCE AND INSPECTION".
- * Check that the water supply line shut-off valve is open.

[b] PREMIX PACKAGE

CAUTION

To prevent possible food poisoning, do not use expired premix.

- * Check the remaining premix level by the screen on the front cover.
- * If necessary, replace the premix package according to "6. [c] PREMIX PACKAGE".
- * Check that the joint tap connected to the premix package is open (lever is vertical).

4. OPERATION

WARNING

1. To prevent electric shock, do not touch the attachment plug, power switch, or other electrical parts with damp hands.
2. If the earth leakage circuit breaker turns off, contact an authorized Hoshizaki service company. To prevent electric shock or fire, do not turn it back on.

3. In case of trouble, turn off the power switch and unplug the unit or disconnect the main power supply, and immediately contact an authorized Hoshizaki service company. To prevent possible electric shock or fire, do not keep the unit in operation.
4. In case of a gas leak, turn off the gas and ventilate the room. To avoid the risk of ignition and explosion, do not unplug the unit.
5. Do not put your hand or face under the dispensing nozzle while product is being dispensed. Hot water exceeding 80°C comes out and may cause burns.
6. This unit is not suitable for use by unsupervised children or within reach of young children, which may result in burns, electric shock or injuries.
7. Do not tilt, shake, or carry the unit with hot water inside. Hot water may flow out and cause burns.

CAUTION

1. Do not put heavy things or water containing vessels on the unit. They could fall off and cause injury, or spilled water may degrade the electrical insulation and increase the risk of electric leak.
2. Do not block the air outlet on the top of the unit. This may cause poor heat radiation and result in failure.
3. Do not place a cooking stove or other thermal appliances on or around the unit. Heat may melt the plastic parts.
4. This unit is intended for use with potable products only. Any other use may result in failure or health problems.
5. Do not use combustible spray or place volatile and flammable substances near the unit. They could catch fire from a spark of a switch or the like.
6. In case of low water, turn off the power switch and close the water supply line shut-off valve, or rusty water may come out when water supply is resumed.

IMPORTANT

1. Do not operate the unit with the power cord or attachment plug damaged or loosely connected.
2. Do not push the attachment plug with the rear of the unit.

[a] START UP

- 1) Open the front cover, and turn on the power switch on the front panel. Water starts to be supplied into the hot water tank.
- 2) When the hot water tank fills up and water boils, the ready lamp and dispense lamp light up to indicate that product can be dispensed.

IMPORTANT

Product cannot be dispensed while the ready lamp is off, because hot water has not reached the proper level or temperature.

[b] DISPENSING

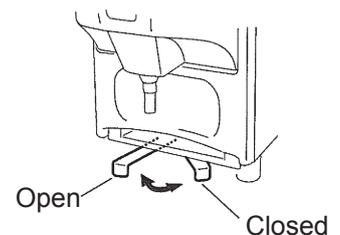
- 1) Check that the dispense lamp stays on.
- 2) Place a cup on the grille under the dispensing nozzle.
- 3) Press the dispense button.
- 4) The dispense lamp flashes, and the dispensing nozzle dispenses product.
- 5) When the dispensing nozzle stops dispensing, the dispense lamp stays on. Then, remove the cup.

[c] REPLACING PREMIX PACKAGE

When the premix package gets empty, replace it with a new package. See “6. [c] PREMIX PACKAGE” for details.

[d] SHUT DOWN

- 1) Open the front cover, and turn off the power switch on the front panel.
- 2) Remove the drip pan and grille. See “5. MAINTENANCE AND INSPECTION” for details.
- 3) Move the drain lever to the open position to drain the hot water tank.
- 4) Drain the hot water tank for 10 seconds every day to keep the tank interior clean. To completely drain out the tank, keep the drain lever open for 10 minutes.
- 5) Move the drain lever to the closed position. Fit the drip pan and grille.



6) Close the water supply line shut-off valve.

7) Follow the instructions in "5. MAINTENANCE AND INSPECTION".

5. MAINTENANCE AND INSPECTION

WARNING

1. To prevent fire, electric shock, injury or water leak, this unit should be disassembled, repaired or modified only by qualified service personnel.
2. To prevent electric shock, do not touch the attachment plug, power switch, or other electrical parts with damp hands.
3. In case of trouble, turn off the power switch and unplug the unit or disconnect the main power supply, and immediately contact an authorized Hoshizaki service company. To prevent possible electric shock or fire, do not keep the unit in operation.
4. Do not splash water directly onto the unit. It may cause a short circuit, electric shock, corrosion or failure.
5. An alcohol disinfectant is flammable. Do not use it near fire.
6. Assemble the dispensing nozzle and other parts properly. Otherwise, hot water exceeding 80°C may leak and cause burns.

CAUTION

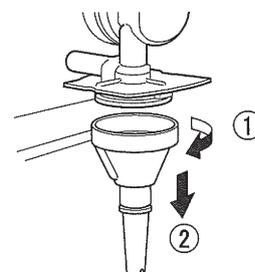
1. To prevent possible health problems, wash your hands before operation or maintenance of the unit.
2. Always use a food grade neutral detergent for cleaning.
3. Always use a food grade ethyl alcohol (70 - 75%) for disinfection. Do not use it for any other purposes. Keep it away from children.
4. Before using invert soap or other disinfectants, thoroughly read and understand the manufacturer's instructions for use to prevent possible health problems.
5. Before starting cleaning or inspection, turn off the power switch and unplug the unit to avoid possible electric shock or burn.
6. To unplug the unit, be sure to pull the attachment plug and do not jerk the power cord. It could be damaged and cause fire or electric shock.

IMPORTANT

1. After closing time, be sure to carry out maintenance and inspection.
2. Follow the instructions in “5. MAINTENANCE AND INSPECTION” whenever required.
3. In cleaning operations, be careful not to lose any parts. The unit will leak water or fail to dispense properly.
4. To prevent damage to the stainless steel or plastic surfaces, do not use sodium hypochlorite, thinner, benzine, alcohol, cleanser, petroleum, soap powder, polishing powder, alkaline detergent, acid, synthetic detergent and scrub brush. When using a disposable cleaning cloth, follow the manufacturer’s instructions.

[a] DISPENSING NOZZLE (DAILY)

1) Open the front cover. Turn the dispensing nozzle and multi tube in the direction of arrow 1 and pull them off in the direction of arrow 2.

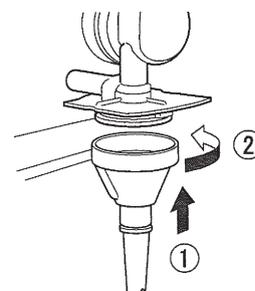


2) Disassemble the dispensing nozzle and multi tube. Use a food grade neutral cleaner, sponge, and cleaning brush (accessory) to clean them.

3) Rinse thoroughly with clean water.

4) Use a spray bottle to spray an alcohol disinfectant on the dispensing nozzle and multi tube and leave them to dry.

5) Push up the dispensing nozzle and multi tube in the direction of arrow 1 and turn them in the direction of arrow 2 until they lock with the nozzle stopper.

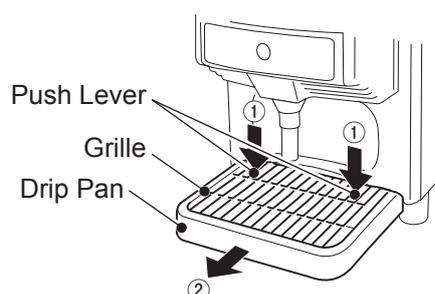


[b] FRONT PANEL (DAILY)

Use a soft damp cloth containing a diluted food grade neutral cleaner to wipe off dirt. Then wipe away the residue.

[c] DRIP PAN, GRILLE (DAILY)

1) Remove the drip pan and grille. The drip pan can be pulled off by pressing down the push levers on both sides of the grille. Use a sponge and food grade neutral cleaner to remove dirt.



- 2) Rinse thoroughly with clean water and wipe dry with a soft cloth.
- 3) Attach the grille back on the drip pan and fit them into the unit.

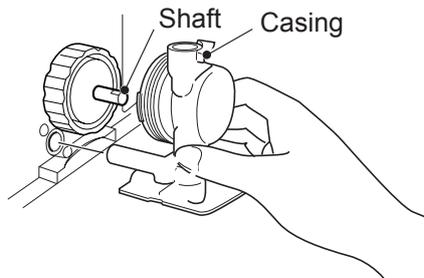
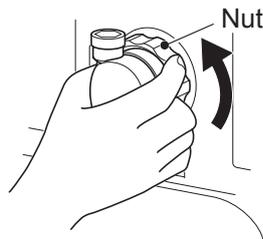
[d] SUCTION PUMP (WEEKLY)

IMPORTANT

1. The impeller must be replaced once a year. But the life cycle depends on the running rate. Inspect the impeller well before the end of expected life cycle. Operation with a defective impeller may result in dripping or improper dispensing action.
2. The impeller must be sprayed with an alcohol disinfectant and assembled into the casing immediately before restarting the unit. The impeller is made of rubber. Do not leave it inside the casing for a long time without product or with an alcohol disinfectant. The impeller may stick to the casing and fail to turn or get damaged.
3. When the premix package becomes almost empty, the unit cannot operate properly. Replace the premix package immediately. Operation with an empty package will drastically reduce the impeller's life cycle.

Cleaning

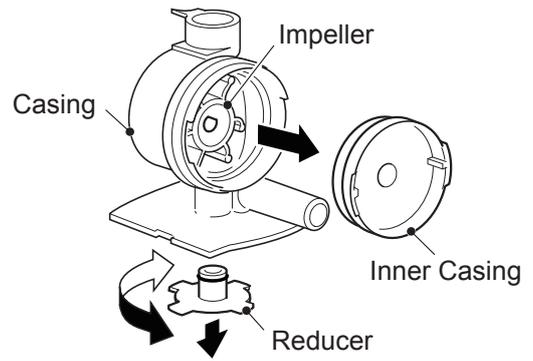
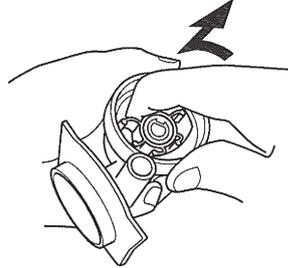
- 1) Open the front cover and remove the premix package. See "6. [c] PREMIX PACKAGE" for details. The removed package must be stored in a refrigerator.
- 2) Place a container under the dispensing nozzle.
- 3) Press the dispense button to drain any premix remaining in the suction pump.
- 4) Repeat step 3) until no premix comes out.
- 5) Turn the nut securing the suction pump in the arrow direction and pull the suction pump towards you.



- 6) If the shaft is dirty, wipe with a damp cloth, then a dry cloth.

7) Remove the inner casing and reducer from the casing. The reducer can be removed by turning and pulling down.

8) Remove the impeller from the casing by putting a finger between the blades, turning in the arrow direction and pulling towards you.



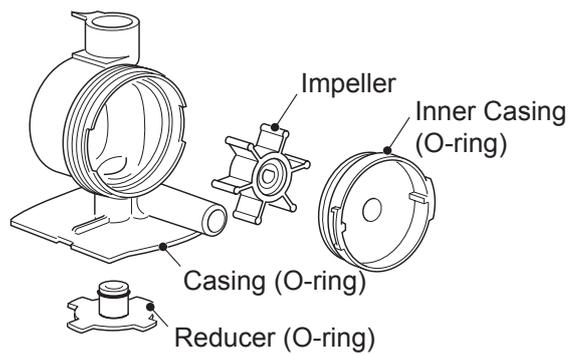
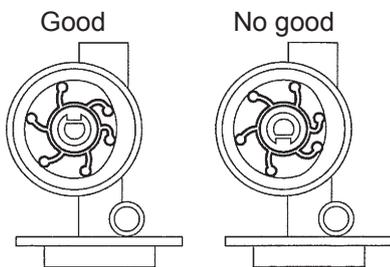
9) Use a food grade neutral cleaner, sponge, and cleaning brush (accessory) to clean the suction pump parts.

10) Rinse thoroughly with clean water and store in a clean place when not in use.

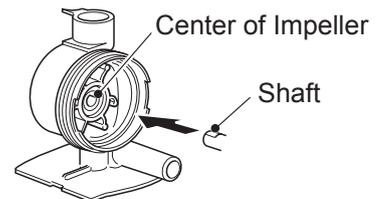
Reassembly

1) Check for the parts shown on the right.

2) Fit the impeller to the casing in the rotating direction.



3) Attach the casing to the unit by fitting the center of the impeller to the shaft.



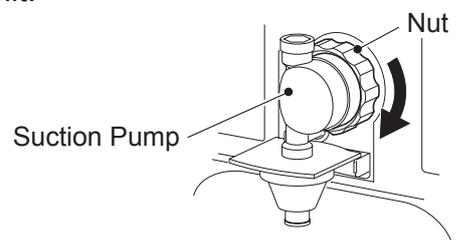
4) Turn the casing in the arrow direction until it reaches the normal position.



5) Remove the casing from the unit and spray alcohol disinfectant on the parts.

6) Attach the inner casing and refit the casing back to the unit.

7) Pull the nut towards you and turn it in the arrow direction to fit the suction pump. Be careful not to tilt the nut.



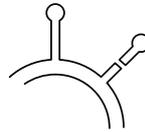
Note: The inner casing must be fit all the way inside to allow the nut.

8) Fit the dispensing nozzle and multi tube. See “[a] DISPENSING NOZZLE” for details.

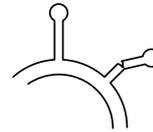
9) Fit the premix package. See “6. [c] PREMIX PACKAGE” for details.

IMPORTANT

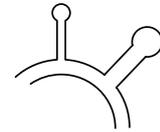
Check the impeller for broken, cracked or swollen blades. Operation under inappropriate conditions may cause varied dispensing amounts or dripping premix.



Broken



Cracked



Swollen

[e] LABEL, FRONT COVER, SIDE PANEL

Wipe with a soft cloth as required. Use a soft damp cloth containing a diluted food grade neutral cleaner to wipe off dirt. Then wipe away the residue.

[f] EARTH LEAKAGE CIRCUIT BREAKER

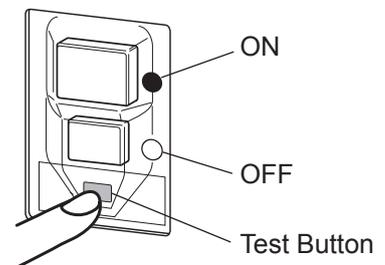
CAUTION

Check the earth leakage circuit breaker for proper operation once a month. If it is left inoperable, it could increase the risk of electric shock in case of electric leak.

1) Press the test button.

2) Check if the power switch turns off.

3) If the power switch does not turn off, unplug the unit and contact an authorized Hoshizaki service company.



[g] WIRES

Check the wires for damage or deformation once or twice a year. In case of any problem, contact an authorized Hoshizaki service company.

Also, check that the wires are not weighed down, strained, or in contact with edges or heated parts. In case of any problem, remove its cause.

[h] WATER SUPPLY AND DRAIN CONNECTIONS

Once or twice a year, check that the water supply and drain connections are free of damage, deformation or water leaks. In case of any problem, contact an authorized Hoshizaki service company.

[i] ATTACHMENT PLUG

WARNING

1. Check periodically that the attachment plug blades and their vicinity are free of dust and that the attachment plug is securely plugged into the receptacle. Dusty blades or loose connection may cause electric shock or fire.
2. Do not damage the power cord. It should not be additionally processed, jerked, bundled, weighed down or caught in. It could cause electric shock or fire.
3. The unit must have a separate power supply. Branching off the power cord, using an extension cord, or sharing a single power supply with other appliances may result in electric shock, heat generation or fire.

Check the attachment plug and power cord once or twice a year to see if:

- * The attachment plug is plugged into a separate receptacle.
- * The attachment plug and power cord are not overheated, damaged, weighed down or caught in. In case of any trouble, immediately contact an authorized Hoshizaki service company and ask for a repair.
- * The attachment plug blades and their vicinity and the receptacle are free of dust. Clean them if necessary.

[j] SUBFREEZING TEMPERATURES

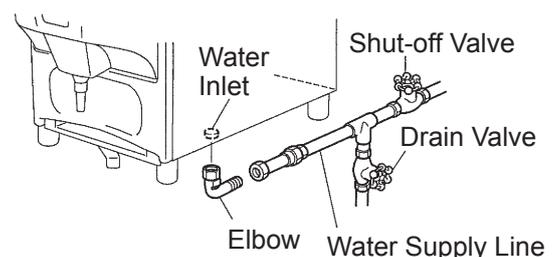
CAUTION

If there is a possibility that the ambient temperature may fall below 0°C and freeze the unit, be sure to drain the unit. The water supply line could be damaged and leak water, resulting in damage to the surrounding property.

IMPORTANT

Do not dispense product while draining the unit.

- 1) Turn off the power switch. Drain the hot water tank to the level "C" or "L". See "4. [d] SHUT DOWN" for details.
- 2) Close the water supply line shut-off valve.
- 3) Turn on the power switch.
- 4) Open the drain valve to drain the water circuit.



- 5) After completely draining the circuit, turn off the power switch.
- 6) When the unit will not be in use for more than a week, shut down the unit according to “4. [d] SHUT DOWN” and unplug the unit.

IMPORTANT

If the warranty period is expired, ask an authorized Hoshizaki service company for the following inspections to ensure safety and prevent troubles caused by electric leak or overheating (charged).

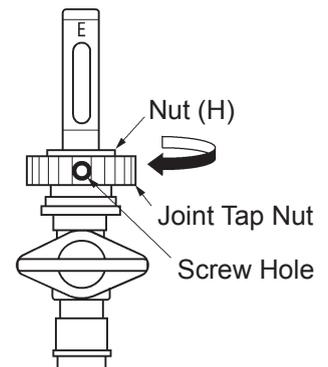
- * Dust buildup, water leak or dirt inside the unit
- * Scale, silica, limestone or other foreign matter in the water circuit
- * Aging conditions of the unit and its components

6. CHECKS AND ADJUSTMENTS

[a] JOINT TAP

There are two different sizes of the joint tap connections on premix packages. For the smaller size of connection, fix the joint tap and nut (H) as follows:

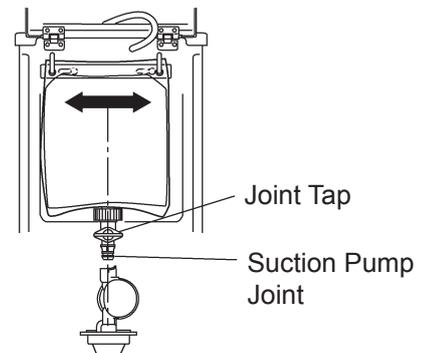
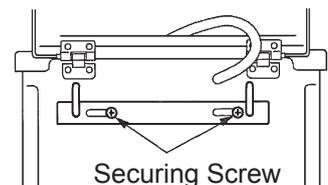
- 1) Tightly screw the nut (H) into the joint tap nut.
- 2) Insert a screw into the two holes in the joint tap nut to prevent the nut (H) from turning.
- 3) Connect a premix package and check.



[b] HANGER

Move the location of the hanger according to the premix package.

- 1) Loosen the screw securing the hanger. Connect the joint tap to a premix package. See “[c] PREMIX PACKAGE” for details.
- 2) Hook the premix package. Move the hanger until the suction pump joint aligns with the joint tap and fix the hanger there.



IMPORTANT

If the hanger is not located in place, premix may not be dispensed properly.

[c] PREMIX PACKAGE

- * The remaining level of premix may be slightly different for each manufacturer or setting. Check the product concentration or package condition to assume the remaining level.
- * If air comes in when installing a premix package, more premix will remain inside, the product concentration will change, or product will not be dispensed. Be sure to release air from the package.
- * Set the joint tap correctly, or premix cannot be dispensed properly. Correct the joint tap if necessary.

IMPORTANT

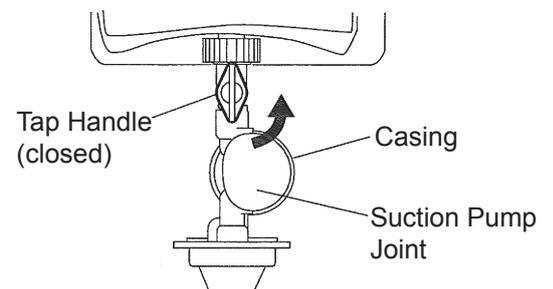
1. Always use the premix specified by Hoshizaki.
2. To prevent changes in color or smell to reduce marketability, do not use a premix package for more than three consecutive days.
3. When releasing air from the premix package, keep your face away from the joint tap. Premix may splash into your eyes.
4. Store premix packages with their connection side upward. Air will go up and can be removed easily.
5. After replacing the premix package, press the dispense button two or three times to dispense product. Do not leave the casing empty, or the impeller may be damaged.

Check

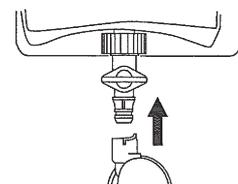
- 1) Check the remaining premix level from the screen on the front cover.
- 2) Replace the premix package if necessary.

Replacement

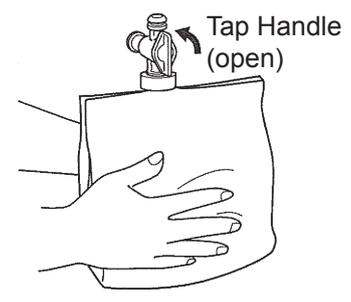
- 1) Open the front cover. Turn the tap handle in the arrow direction to unlock the joint tap.



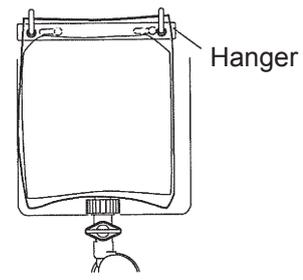
- 2) Pull the joint tap in the arrow direction to remove it from the suction pump. Unhook the premix package from the hanger.



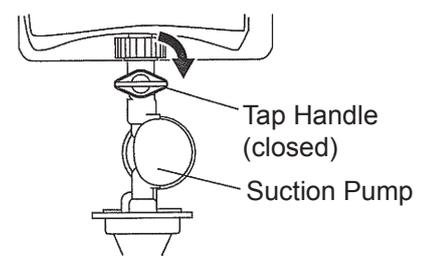
- 3) Open the joint tap.
- 4) Turn the joint tap nut and remove it from the empty premix package. Wash the joint tap if necessary.
- 5) Attach the joint tap to a new premix package so that the tap handle is in a proper position when the package is hooked with the joint tap open.
- 6) Place the premix package with the joint tap up, move up the air inside, and slowly push both sides of the package to release air.



- 7) When premix comes up to the outlet, close the joint tap.
- 8) Hook the holes on the premix package on the hanger.
- 9) Attach the joint tap to the suction pump.



- 10) Turn the tap handle in the arrow direction to lock the joint tap with the suction pump.
- 11) Check for proper installation of the joint tap.
- 12) Slowly close the front cover. If it is half open, the unit may not dispense product properly.



- 13) Place a container under the dispensing nozzle and press the dispense button to dispense two or three cups. The product concentration may vary just after the premix package is replaced.

[d] ADJUSTMENTS

The hot water amount, premix amount and hot water temperature are separately adjustable.

IMPORTANT

1. Adjust with the hot water tank full, or the dispensing amount may vary.
2. After adjusting the set amounts, always use a graduated cylinder to check for accurate dispensing.
3. To check the dispensed amount, place a container under the dispensing nozzle.

4. Check the dispensing time settings by dispensing product more than five times.
5. After a long interval, the initial dispensed amount may be less than the set amount. The unit will dispense the proper amount from the second dispensing action.

Setting Mode

- 1) With the power switch on, press the set, up and down buttons together for 5 seconds.
- 2) The display will change from a temperature indication to “T-1” and start flashing in the setting mode.

Changing Settings

- 1) While “T-1” is flashing, press the set button once. “T-1” will change to “T-2”. Every press of the set button will change the code on the display.

T-1 > T-2 > T-3 > T-1 > T-2

- 2) Each code means the following. Adjust the settings according to the type of premix used.

Code	Item	Factory Adjustment	Adjustable Range
T-1	Hot Water	3.5 sec	0.5 - 7 sec
T-2	Premix	2.0 sec	0 - 6.5 sec
T-3	Max Hot Water Temp	92°C	82 - 92°C

- 3) While the display is flashing “T-1”, press the up/down button to indicate the T-1 setting.
- 4) With the setting on the display, press the up/down button to increase/decrease the set value. Keep the button pressed for rapid change.
- 5) When the desired value appears on the display, press the set button once. The display will start flashing “T-2”. With the setting on the display, press the up/down button to adjust the set value. See step 4) above.
- 6) After adjusting the set values, keep the set button pressed for 5 seconds.
- 7) The setting is complete when the display shows a temperature.

Set Values and Dispensed Amounts

- 1) The dispensed amount of hot water “T-1” is adjustable as follows. The dispensed amount of hot water will increase by about 50 mL per second.

T-1	Dispensed Amount of Hot Water
2.5 sec	Approx 100 mL
3.5 sec	Approx 150 mL
4.5 sec	Approx 200 mL

2) The dispensed amount of premix “T-2” is adjustable as follows. The dispensed amount of premix will increase by about 11 g per second.

T-2	Dispensed Amount of Premix
1.2 sec	Approx 13 g
2.0 sec	Approx 22 g
2.8 sec	Approx 31 g

7. TROUBLE SHOOTING

IMPORTANT

If something seems wrong with the unit, check for possible causes according to the following instructions. If the problem still exists, immediately contact an authorized Hoshizaki service company.

When contacting a service company, let them know the model name, serial number, date of installation (see warranty card) and state of the trouble.

[a] TROUBLES WITH ERROR CODE INDICATION

When the display shows an error code, check and correct the problem according to the table below.

Code	Problem	Possible Cause & Remedy
E1	Heater Thermistor	(1) The drain lever is left open. Close the drain lever and reset the error code. (2) The drain lever is closed. Immediately contact an authorized Hoshizaki service company.
E2	Water Supply	(1) The drain lever is left open. Close the drain lever and reset the error code. (2) The water supply line shut-off valve is closed. Open the valve and reset the error code. (3) Low water. Turn off the power switch. Check that the water supply is restored. Turn on the power switch and reset the error code.
E3	Water Level Switch	(1) The water level switch is defective. Turn off the power switch and immediately contact an authorized Hoshizaki service company.

To reset the error code:

- 1) Turn off the power switch.
- 2) While pressing the set, up and down buttons together, turn on the power switch.
- 3) The error code is reset when the display shows a temperature. If the error code appears again, turn off the power switch and immediately contact an authorized Hoshizaki service company.

[b] TROUBLES WITHOUT ERROR CODE INDICATION

- 1) The unit fails to operate:
 - (1) The unit is unplugged or the power supply is off.
 - (2) Power failure.
 - (3) The earth leakage circuit breaker switched off. Immediately contact an authorized Hoshizaki service company.
- 2) The ready lamp fails to light up:
 - (1) The hot water tank is not full and the temperature inside the tank has not reached the set point.
- 3) The unit fails to dispense product:
 - (1) The ready lamp is off. See 2) above.
- 4) The product concentration is too low:
 - (1) The premix package is empty. Replace it according to "6. [c] PREMIX PACKAGE".
 - (2) The premix setting is too low.
 - (3) The suction pump is not properly connected. Reconnect it according to "6. [c] PREMIX PACKAGE".
 - (4) The impeller is defective. See "5. [d] SUCTION PUMP" for details. Ask an authorized Hoshizaki service company for replacement.
- 5) Premix is dripping:
 - (1) The impeller is defective. See "5. [d] SUCTION PUMP" for details. Ask an authorized Hoshizaki service company for replacement.
 - (2) The suction pump is loosely fixed. Retighten the screws.
 - (3) The reducer is out of position. Remove the dispensing nozzle and reinstall the reducer according to "5. [d] SUCTION PUMP".
- 6) Only hot water is dispensed:
 - (1) The joint tap is closed.
 - (2) The impeller is defective. See "5. [d] SUCTION PUMP" for details. Ask an authorized Hoshizaki service company for replacement.
 - (3) The suction pump is loosely fixed. Retighten the screws. See "5. [d] SUCTION PUMP" for details.
- 7) Only premix is dispensed:
 - (1) The dispensing pipe on the casing is not properly connected to the hot water outlet. Open the front cover and reconnect the dispensing pipe according to "5. [d] SUCTION PUMP" for details.

[c] PERIODIC REPLACEMENT

The impeller must be replaced once a year. But the life cycle depends on the running rate. Inspect the impeller well before the end of expected life cycle.

After replacing the impeller, immediately order another spare to always have a stock of at least one spare.

8. LONG STORAGE, RELOCATION, DISPOSAL, TRANSFER

WARNING

1. When restarting the unit after a long storage, contact an authorized Hoshizaki service company. To prevent electric shock, do not restart the unit by yourself.
2. In case of relocation, contact an authorized Hoshizaki service company. Improper installation may cause water leak, electric shock or fire.
3. When disposing of the unit, contact an authorized Hoshizaki service company. Leaving the unit may cause an unexpected accident.

CAUTION

1. When shutting down the unit for more than a week, turn off the power switch and unplug the unit. Dust may collect on the attachment plug or receptacle and cause heat generation or ignition. Also, flush and drain the product circuit to prevent bacterial growth in the water.
2. When selling or transferring this product, tape this instruction manual to the exterior to provide the new owner with information on safe and proper use of the product.