



**Cecilware®**

# Operator Manual

## Chinese Hot Tea Urns CH75N, CH100N Series



**Model CH100N**

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Thank you for purchasing this quality urn. For your safety and the safety of others, read all warnings and the operator manual before installing or using the product. Properly instruct all operators. Keep training records. For future reference, record serial number here:

#### Grindmaster-Cecilware

4003 Collins Lane, Louisville, KY 40245 USA  
Phone: 502.425.4776 Toll Free: 800.695.4500  
Fax: 502.425.4664  
Web: gmcw.com Email: info@gmcw.com

Grindmaster-Cecilware provides the industry's BEST warranty. Visit gmcw.com for warranty terms and conditions.



**Grindmaster  
Cecilware**

## Safety Information

### Important Safety Information



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

For your safety and the safety of others, read all warnings and the operator manual before installing or using the product.

**DANGER:** This term warns the user of imminent hazard that will result in serious injury or death.

**WARNING:** This term refers to a potential hazard or unsafe practice, which could result in serious injury or death.

**CAUTION:** This term refers to a potential hazard or unsafe practice, which could result in minor or moderate injury.

**NOTICE:** This term refers to information that needs special attention or must be fully understood.

### **WARNING**

To reduce risk of electrical shock, do not remove or open cover. No user-serviceable parts inside. Repair should be done by authorized service personnel only.

The appliance is not intended for outdoor use.

Do not clean with pressurized water or use in an area where pressurized water may be used.

Cleaning and maintenance shall be made only by properly trained persons with supervision.

This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

Do not alter or deform the power cord or plug in any way! Altering or deforming the plug may cause electrical shock, damage unit, and will void warranty.

To reduce risk of explosion or fire, do not use near combustibles.

### **CAUTION**

For safe and proper operation, the appliance must be placed in a stable, vertical position.

To reduce risk of serious burns or scalding, do not place hand or other body parts under dispenser or container while product is brewing.

Always unplug unit from power supply before servicing.

Hot liquid in brew basket could cause burns. Remove with care.

Surfaces are hot and can cause burns.

### **NOTICE**

Use only on a circuit that is properly protected and capable of the rated load.

Electronically ground the chassis.

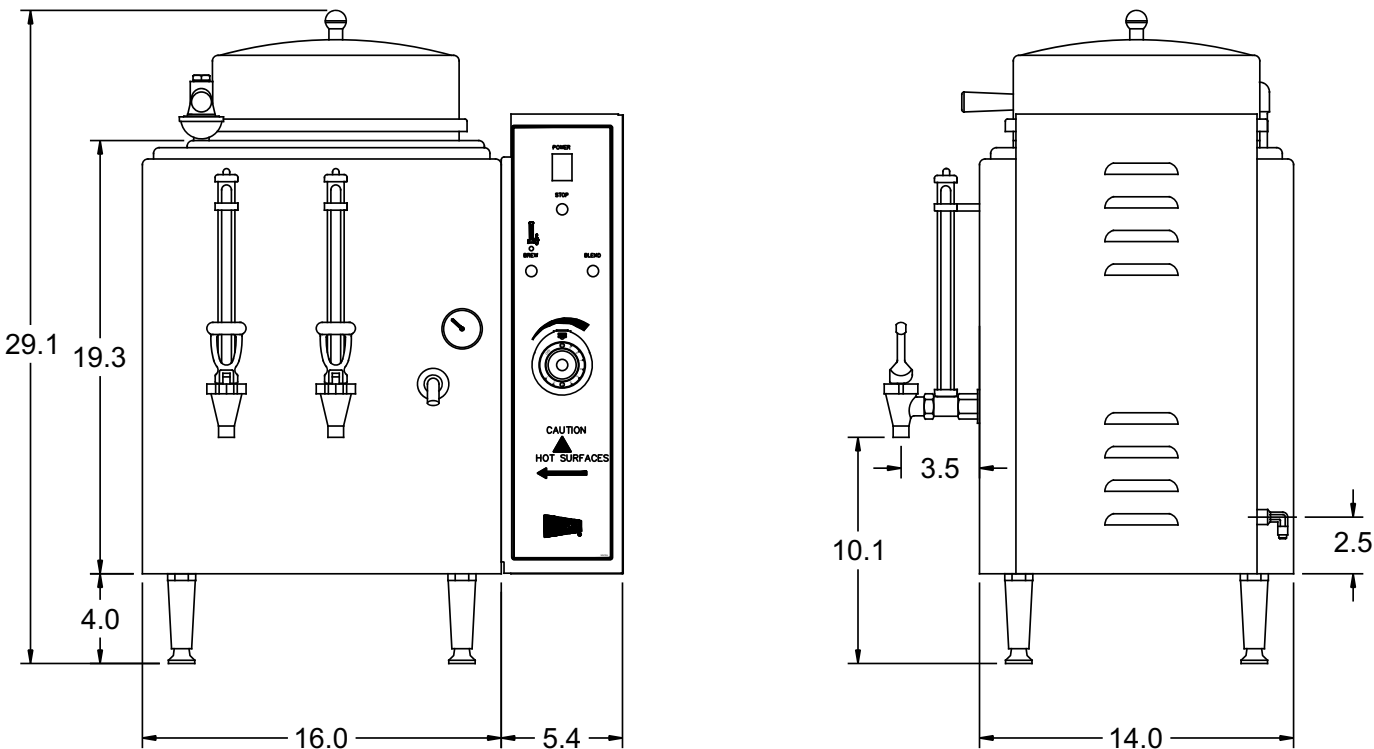
Follow national and local electrical codes.

Do not use extension cord.

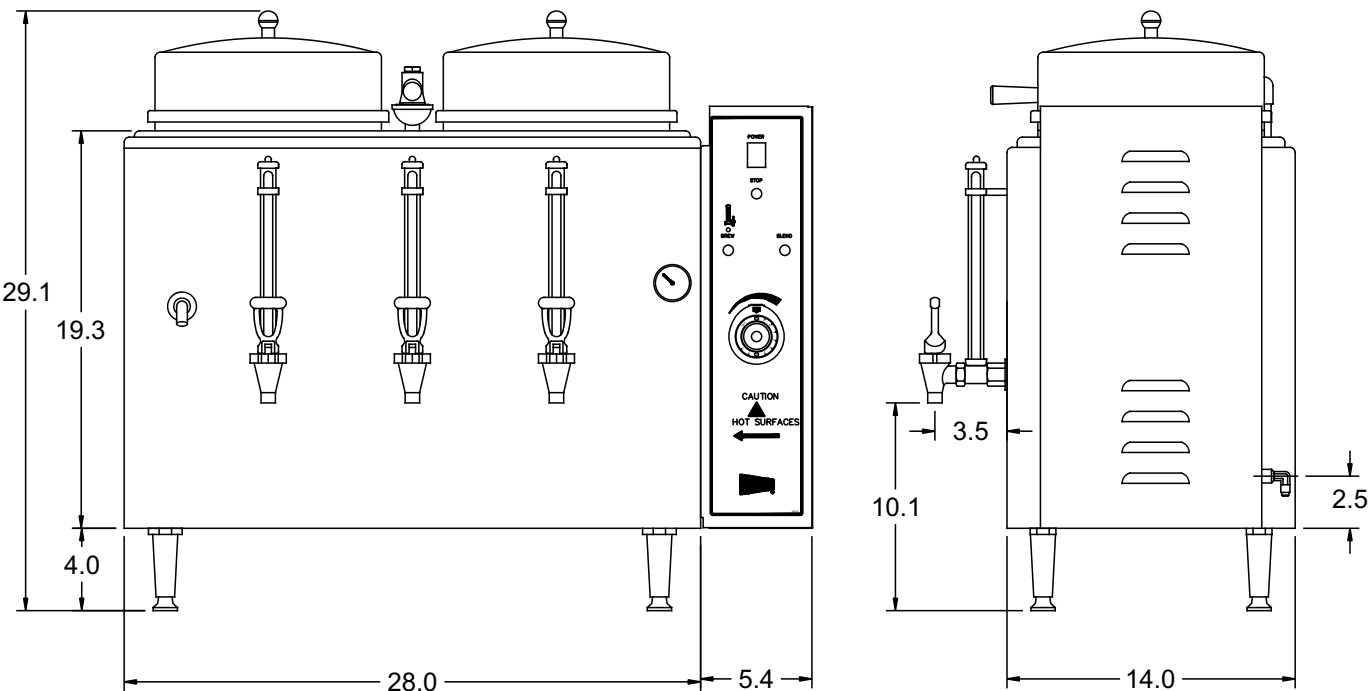
This equipment must be installed in compliance with applicable Federal, State, and/or Local plumbing codes having jurisdiction. This product requires an approved back flow prevention water device, such as a double check valve, to be installed between the machine and the water supply.

# Rough-In Drawings

## CH75N Single 3 Gallon Urn, Adjustable By-pass, and Electro-Mechanical Timer



## CL100N Twin 3 Gallon Urn, Adjustable By-pass, and Electro-Mechanical Timer



## Electrical Specifications

Information below provided for US models only. Check rating marking on urn nameplate. Consult factory for export model information.

| MODEL  | VOLTS   | KILOWATTS |         | AMPS              |                   |
|--------|---------|-----------|---------|-------------------|-------------------|
|        |         | 1 PHASE   | 3 PHASE | 1 PHASE<br>3 WIRE | 3 PHASE<br>4 WIRE |
| CH75N  | 120/240 | 7         | 6       | 29                | 15                |
|        | 120/208 | 5.3       | 4.5     | 26                | 12                |
| CH100N | 120/240 | 7         | 8       | 29                | 20                |
|        | 120/208 | 5.3       | 6       | 26                | 17                |

**Recommended Wire Size For Field-Wiring Urns** US models only. Consult factory for export model information..

| MODEL         | WIRE SIZE        |                  |
|---------------|------------------|------------------|
|               | 1 PHASE          | 3 PHASE          |
| CH75N, CH100N | (2) 10 AWG + GND | (3) 10 AWG + GND |

Neutral and Ground Wires # 14 AWG min.

Note: Field wiring must be suitable for 75° C. Use copper wire only for power supply connections.

GROUNDING: ON ALL URNS, CONNECT A GROUND WIRE TO GROUNDING LUG TO COMPLY WITH LOCAL ELECTRICAL CODES (14 AWG MIN. 75° C)

## Installation

### Unpacking Instructions

Carefully unpack the machine and inspect immediately for shipping damage. The packaging may contain unattached parts. Your machine was shipped in a carton designed to give it maximum protection in normal handling. It was thoroughly inspected before leaving the factory. In case of damage, contact the shipper, not Grindmaster-Cecilware.

**NOTICE:** The person installing this appliance is responsible for ensuring that electric and water connections meet the requirements of the national electric code, national plumbing code, and any local ordinances.

See **Rough-in Drawings** for approximate dimensions and locations of electric and water input.

### Mechanical Installation

#### **⚠ WARNING: ELECTRIC SHOCK HAZARD!**

Installation of this appliance should be performed by qualified service personnel only. Improper installation could result in electrocution.

#### **⚠ CAUTION**

These urns are heavy pieces of equipment. It is recommended that moving or lifting the unit be done by two people to avoid injury.

**NOTICE: Do not turn thermostat on until all installation instructions have been followed.**

1. Inspect unit to see if any damage occurred in shipment.
2. Remove the urn from the packing material. The four legs, faucets, and vent cap drain are packed separately with urn.
3. Install legs by tilting urn on its side and screwing legs into urn leg supports until hand tight.
4. Carefully right unit and install in its permanent location, being sure to leave at least 6" on right side of urn for access to controls. Position urn so that the faucets drip into a drip trough or drain receptacle of some type.
5. Level urn by adjusting legs. Then attach faucets and install vent cap drain.
6. Cover(s) are shipped with knob(s) on inside to prevent damage. Simply unscrew and reverse.

## Installation (continued)

### **▲ WARNING: ELECTRIC SHOCK HAZARD!**

Installation of this appliance should be performed by qualified service personnel only. Improper installation could result in electrocution.

#### **Water Hook-up**

**NOTICE:** This equipment must be installed in compliance with applicable Federal, State and/or Local plumbing codes having jurisdiction. This product requires an approved back flow prevention water device, such as a double check valve, to be installed between the machine and the water supply. Incoming pressure should be greater than 30 psi and not more than 70 psi.

Urn should be connected to cold water supply

1. The automatic urn is equipped with a 1/4" Flare water inlet fitting which is located on the back of the unit.
2. Provide shut-off valve and union in supply line near urn.
3. Minimum inlet pressure at urn should be 30 PSI.
4. Maximum inlet pressure recommended at 70 PSI.
5. Copper flex tubing should be used for valve connections.
6. To ensure pressure at the urn of at least 30 PSI, use 3/8" OD tubing for short runs, 1/2" OD tubing for longer runs, and larger size tubing for unusually long runs. Be sure other appliances will not reduce water pressure excessively.
7. Turn on the water supply line and check for leaks.

**NOTE:** For the best tasting tea, add a filtering system to the water supply line to eliminate any taste and/or odor from the water.

**NOTE:** In areas with extremely hard water, a water softener must be installed in order to prevent mineral deposits that could result in malfunctioning of the equipment and in order not to void the warranty.

#### **Electrical Hook-up**

### **▲ WARNING: ELECTROCUTION HAZARD!**

Never use the ground conductor as a neutral. This could cause electrocution.

**NOTICE:** This equipment must be installed in compliance with applicable Federal, State and/or Local electrical codes having jurisdiction. Do not use extension cords. Make sure that the outlet the urn plugs into is grounded.

1. Check rating marking on urn nameplate to be sure electric lines match voltage, phase, and amperage requirements of urn. Select the proper cord and cord grip for electrical rating of the urn.
2. **Urn body MUST be grounded.** A grounding terminal is provided for this purpose.
3. Use only copper wire to connect this urn.

## Priming

**NOTE:** THERMOSTAT MUST BE IN THE "OFF" POSITION.

1. Open water supply line valve to urn.
2. Turn on or plug in the power supply to the urn. Water compartment will begin to fill automatically. Do not power up the urn when the water line is off.
3. Wait until water is visible in center gauge glass (left-hand gauge glass on 3-gallon single urns). Then turn thermostat knob to 10; thermostat pilot light shows heater is on. Urn jacket will continue to fill automatically until water reaches the proper level.
4. When indicator on dial thermometer approaches the "W" in BREW zone, 200° - 205°F (93° - 96°C), urn is ready to brew tea.
5. In high altitude locations (over 5000 ft. above sea level), thermostat may have to be lowered to prevent boiling.
6. Brew and discard at least one batch of water into each liner. Check that the fill level is correct. See the **Adjustments** section if changes are needed.

### **▲ CAUTION: BURN HAZARD**

Water used for brewing tea is very hot. Use caution when brewing, pouring, or transporting tea. Accidental spills may result in severe burns. Use caution when disposing tea leaves.

## Cleaning

### ⚠ CAUTION: BURN HAZARD

The urn surfaces and water inside jacket are very hot. Use caution when cleaning this urn to prevent burns.

**NOTICE:** All sanitizing agents in the food zone must comply with 21 CFR 178.1010. Sanitize all food dispensing units periodically. All parts to be sanitized must be cleaned first. Cleaning and sanitizing frequency must follow state and local health department regulations.

**NOTICE:** Do not use cleansers, bleach liquids, powders, or any other substance containing chlorine. These products promote corrosion and will pit the stainless steel. USE OF THESE PRODUCTS WILL VOID THE WARRANTY.

#### After Each Brew:

1. Dispose of tea leaves and rinse brew basket.

#### Every Day:

1. Drain the urn; then run a brew cycle of hot water. After spraying hot water into the liner, thoroughly brush the liner with a long handled brush.
2. Drain the water and repeat step one. Run another brew cycle. Brush the liner and drain.
3. Wash the wire brew baskets with urn cleaner and rinse thoroughly.

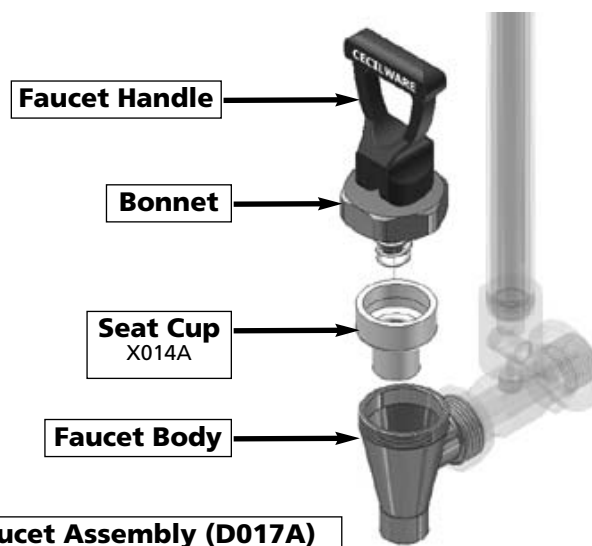
#### Weekly or Bi-Weekly, Depending on Use:

1. Fill the urn liners with several gallons of hot water.
2. Pour into the liner the recommended concentration of urn cleaning compound. Set the thermostat to high (NO. 10) and then run a brew cycle of hot water.
3. Allow solution to remain in the liner for approximately 30 minutes.
4. Scrub the inside of both the liner and the cover with a long handled brush.
5. Drain the cleaning solution from the liner. Rinse by running several brew cycles with the sprayhead centered over the liner. Be sure to drain the rinse water between cycles.

### ⚠ CAUTION: BURN HAZARD

Never remove the faucet when the liner has water or tea in it. Switch OFF the power to the unit at the circuit breaker. Turn off the water line running to the urn.

6. Thoroughly clean the faucets.
7. Use a long, thin gauge glass brush to clean the tea gauge glass. Use the same brush to clean the fitting at the bottom of the liner and the pipe connected to the faucet.
8. Reassemble faucets. Fill the liners with hot water and drain until the liner and all parts are completely rinsed.



## Adjustments

### ⚠ WARNING: SHOCK AND BURN HAZARD

To prevent electric shock and burn hazard all tasks described in this section are to be performed by a trained and qualified service technician.

#### Thermostat Adjustment

The Thermostat is factory set for proper dispense temperature of  $200^{\circ}\text{F} \pm 3^{\circ}\text{F}$  with the control knob set to the maximum clockwise position. If field adjustments are needed proceed as follows:

- To DECREASE temperature, turn the control knob slightly in the COUNTERCLOCKWISE direction.
- To INCREASE the water temperature -
  1. With the Thermostat Knob to its maximum clockwise position, remove the knob and locate the slotted adjustment screw inside the hollow thermostat shaft.
  2. Using a narrow-bladed screwdriver, engage slotted adjustment screw and turn it 1/4 turn slowly counter-clockwise.



(continued next page)

## Adjustments (continued)

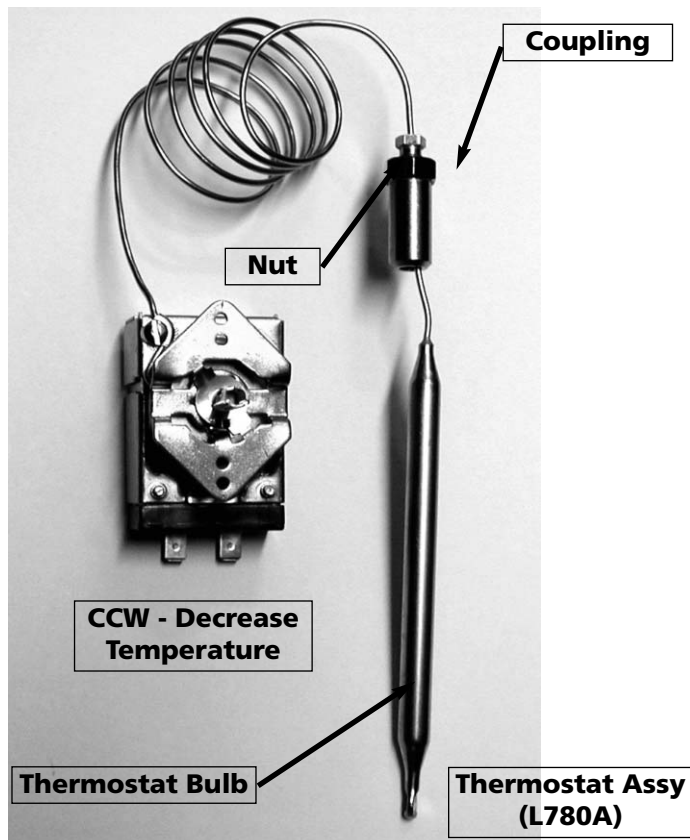
### **⚠ WARNING: SHOCK AND BURN HAZARD**

To prevent electric shock and burn hazard all tasks described in this section are to be performed by a trained and qualified service technician.

### **⚠ WARNING: SHOCK HAZARD**

Disconnect power before attempting any electrical repairs.

### **Thermostat Adjustment (continued)**

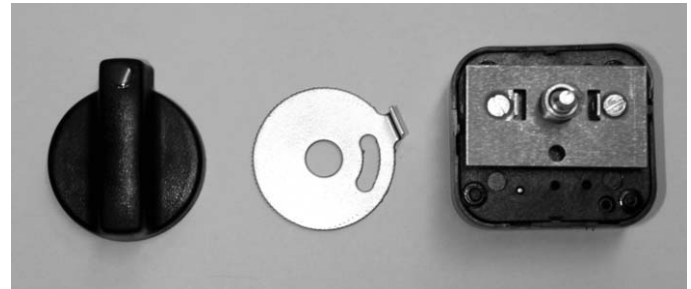


3. Allow a few minutes for the temperature to reach set level. The Heater Light will go ON, indicating the heating element is activated, wait for it to go OFF, indicating that the water has reached new set temperature.
4. Take a temperature reading and repeat if necessary.

### **Mechanical Timer Adjustment**

The factory pre-set mechanical timer can be adjusted for more or less water by following these instructions:

1. Remove timer knob and loosen lock nut holding stop pin.
2. To increase volume of water, rotate stop pin clockwise.
3. To decrease, rotate counterclockwise. Tighten lock nut and replace knob.



**Manual Timer**  
(L154A)

## Maintenance

### **▲ WARNING: SHOCK AND BURN HAZARD**

To prevent electric shock and burn hazard, all tasks described in this section are to be performed by a trained and qualified service technician.

### **▲ WARNING: SHOCK HAZARD**

Disconnect power before attempting any electrical repairs.

The rest of this manual contains information to aid the service technician who is maintaining this equipment. This section has information on performing common service tasks.

If you still need help after reading this section, call Grindmaster-Cecilware Technical Service Department, (502) 425-4776 or (800) 695-4500 (USA & Canada only) (Monday through Friday 8 AM - 6 PM EST). Please have the model and serial number ready so that accurate information can be given.

Prior authorization must be obtained from Grindmaster-Cecilware for all warranty claims.

**Grindmaster-Cecilware provides the industry's BEST warranty. Visit our website at [gmcw.com](http://gmcw.com) for warranty terms and conditions.**

### **▲ WARNING: SHOCK AND BURN HAZARD**

To prevent electric shock and burn hazard, all tasks described in this section are to be performed by a trained and qualified service technician.

### **▲ WARNING: SHOCK HAZARD**

Disconnect power before attempting any electrical repairs.

### **To Move the Urn**

The urn must be completely drained (jacket and liners) and allowed to cool prior to moving this urn.

### **Spray Arm Assembly**

The new improved spray head system was designed to facilitate easier cleaning and maintenance. The swivel valve has a larger flow opening and the spray head cap is equipped with a stainless steel disc, used to control the flow of water.

When ordering replacement parts, be sure to order the correct disc and spray cap for each urn, as shown in **Parts Diagram** illustration.

- To prevent lime buildup, especially in hard water areas, remove and clean spray head cap and spray head disc frequently.
- To clean swivel valve loosen nut and remove spray arm assembly from urn.
- Remove sediment by inserting a pipe cleaner through small hole in valve.
- If maximum setting of timer fails to deliver enough

water, check water pump.

### **If Water Fails To Heat**

1. Check line fuse or circuit breaker. Replace or reset if necessary.
2. Make sure thermostat is in ON position. If thermostat pilot light does not come on, replace thermostat. (Refer to instructions below.) If pilot light is on, measure continuity between terminals 1 and 2 of thermostat, and between terminals 3 and 4. If a resistance is measured, replace thermostat.
3. If thermostat is okay, check wiring and repair if necessary: if wiring is okay, check heater resistance; if high or infinite, replace as follows:

### **Replacing Heater**

1. Shut off power and disconnect water supply at elbow. Drain urn.
2. Remove one tea gauge glass, faucet, shank, and liner.
3. Tilt urn and disconnect wires to heater.
4. Remove socket head screw and heater flange and lift heater out.
5. Install new heater and reassemble urn.
6. Repeat **Priming** instructions on page 5. **NOTE: DO NOT TURN ON THERMOSTAT UNTIL URN IS PRIMED.**

### **Replacing Thermostat**

Thermostat is located in side box of urn. Lift off side box door to gain access to thermostat; then follow instructions below.

1. Shut off power, disconnect water supply, and drain urn by opening hot water faucet. When faucet stops running you are ready to remove the thermostat bulb.
2. Remove thermostat knob and two screws holding thermostat in place.
3. Disconnect wires from thermostat.
4. Pull out thermostat bulb.
5. Install new thermostat, push in the new thermostat bulb. Tighten compression nut on thermostat fitting to prevent leaking.
6. Repeat **Priming** instructions on page 5. **NOTE: DO NOT TURN ON THERMOSTAT UNTIL URN IS PRIMED.**

### **If Water from Cold Water Supply Line Does Not Enter Urn**

1. Check water supply to external shut-off valve.
2. Check fuse on rear of side box and replace if necessary.
3. If water supply and fuse are okay, remove fuse and lift off side box door exposing terminal block and electrical wiring.
4. Check dual probe liquid level controller. (See **Component Tests**)



## Maintenance (continued)

### **⚠ WARNING: SHOCK AND BURN HAZARD**

To prevent electric shock and burn hazard, all tasks described in this section are to be performed by a trained and qualified service technician.

### **⚠ WARNING: SHOCK HAZARD**

Disconnect power before attempting any electrical repairs.

#### **If Water Runs Out At Overflow Drain**

1. Make sure urn is level and overflow tube is vertical.
2. Remove fuse from rear of side box.
3. If water continues to flow, solenoid valve is dirty or not seating properly. Replace solenoid as described below.

#### **Replacing Solenoid**

1. Shut off water supply, remove fuse, and lift off side box door.
2. Disconnect wires from solenoid: then remove flare nut and unscrew solenoid valve from bracket.
3. Install new solenoid and reinstall fuse and side box door.
4. If necessary, follow **Priming** instructions on page 5.

#### **No Water from Spray Head**

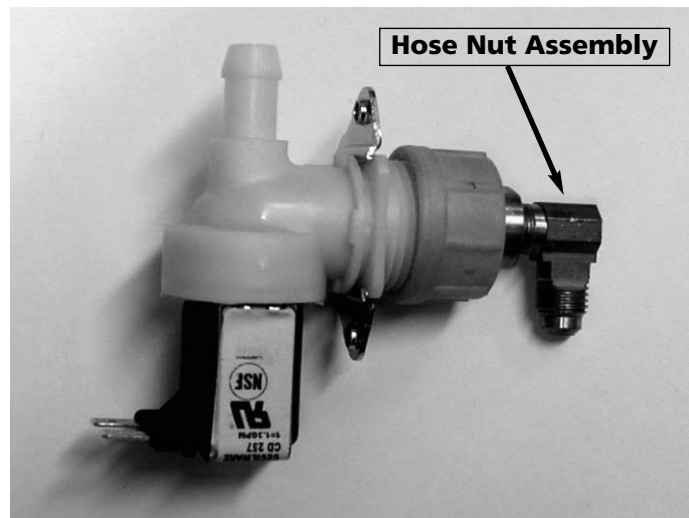
1. Check fuse first.
2. For CH urns: Turn brew timer knob clockwise. Replace timer if it does not go on. If timer goes on but pump doesn't, replace pump.

#### **Replacing Water Pump**

1. Shut off water supply and remove fuse. Drain urn to level of water faucet.
2. Lift off side box door and disconnect the two pump wires.
3. Loosen union fittings on pump and remove pump from urn. **NOTICE: If your urn has older style pump with copper connections, it is imperative that you use a counter wrench when removing and installing pump to avoid damaging copper tubing. DO NOT OVERTIGHTEN.**
4. Replace pump and follow **Priming** instructions on page 5.

## **Component Tests**

### **Water Inlet Valve Test**



1. Turn power OFF. If the water level rises inside a partially filled tank, the Water Inlet Valve is leaking.
2. Disconnect wires from the Water Inlet Valve coil and connect a 2 wire line cord to the terminals. Plug it into a 115V outlet. If water flows in and stops when you pull it out, the Valve is working fine. Repeat this test a few times. The problem may be in the Probe or Water Level Control Board.
3. If the water does not flow in when the cord is plugged into an electrical outlet, the Solenoid coil may be damaged, opened or the valve may have an obstruction preventing the water from flowing in.
4. Clean or replace it.

## Maintenance (continued)

### ⚠ WARNING: SHOCK AND BURN HAZARD

To prevent electric shock and burn hazard, all tasks described in this section are to be performed by a trained and qualified service technician.

### ⚠ WARNING: SHOCK HAZARD

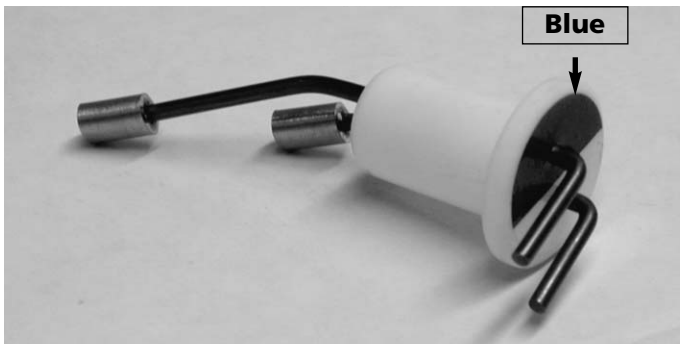
Disconnect power before attempting any electrical repairs.

## Component Tests (continued)

### Dual Probe Test

If lack of water persists, check the probe as follows:

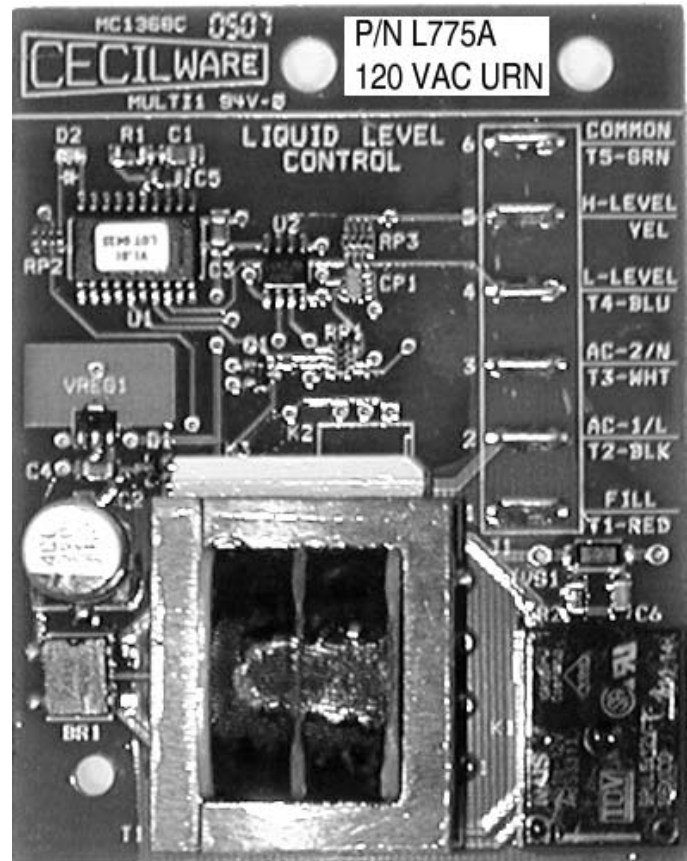
1. Turn on the power and water supply. Check inside the tank to make sure the water is below the Probe. Pull the BLUE wire and terminal OFF the Probe rod.
2. If water still does not flow after the wire is disconnected from the Probe, the problem may be in the Solid State Dual Level Control Board.
3. If water starts flowing into the tank, the Probe may be grounded, due to excessive liming. Check with Ohm meter.
4. Clean or replace probe.



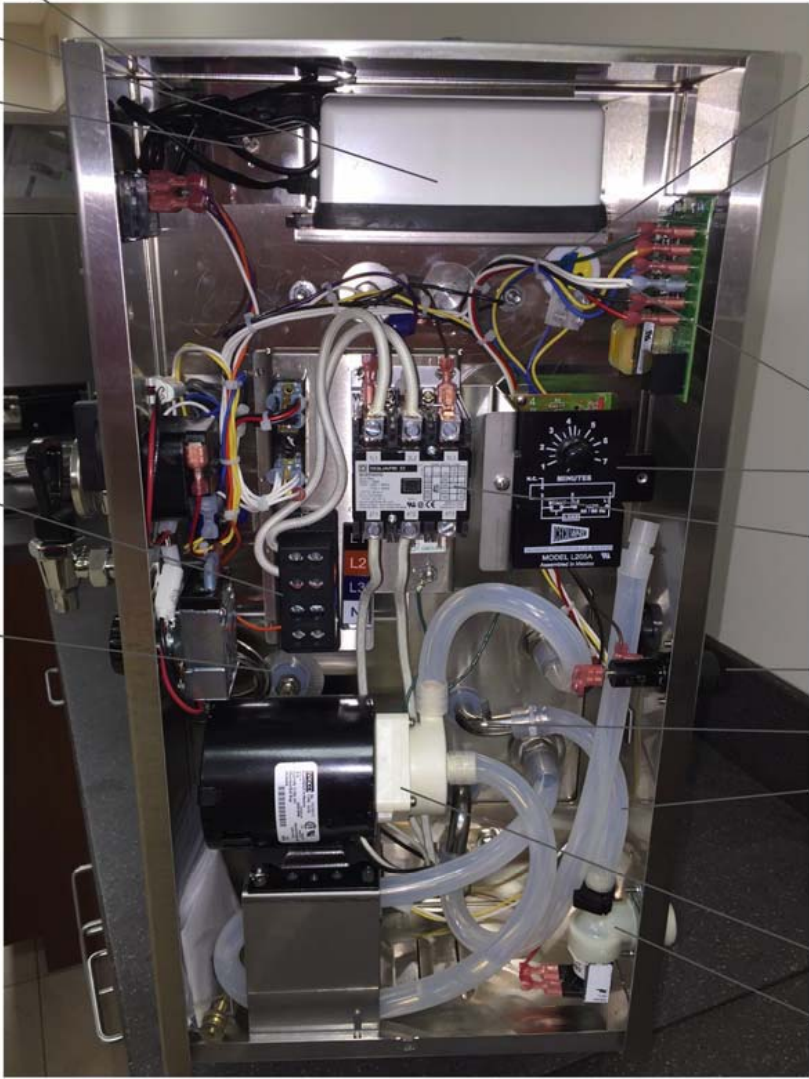
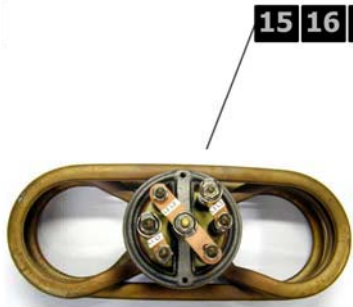
### Dual Probe Liquid Level Controller Test

Check the Controller as follows:

1. Make sure there is power input to the Controller at the terminals AC1 & AC2. Your voltmeter should read 115 Volts. It should read the same at terminals AC1 & FILL when the water level is low. This is the output power to actuate the coil of the Solenoid Valve to open it.
2. The lack of voltage at terminals AC1 & L-LEVEL or H-LEVEL indicates that the Controller is not working properly.
3. Make sure all wire connections are tight, including ground.
4. If after this, the Controller is still failing to open the Water Inlet Valve, replace it.



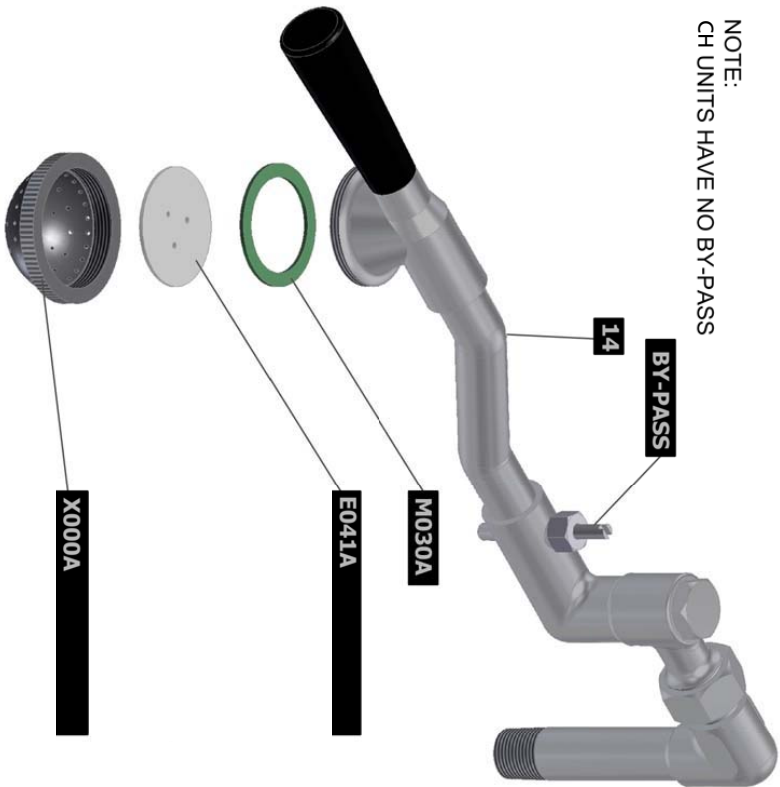
Parts Diagram



Parts Diagram (continued)

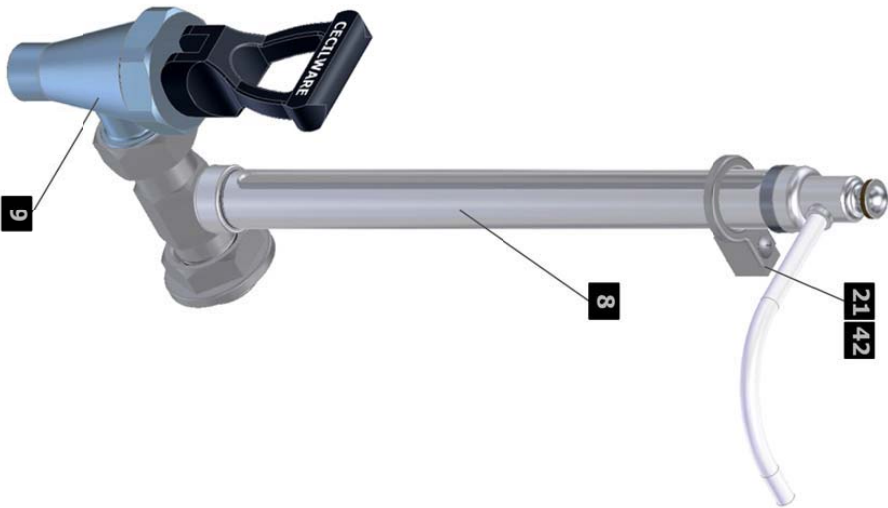
SPRAY ARM ASSEMBLY

NOTE:  
CH UNITS HAVE NO BY-PASS

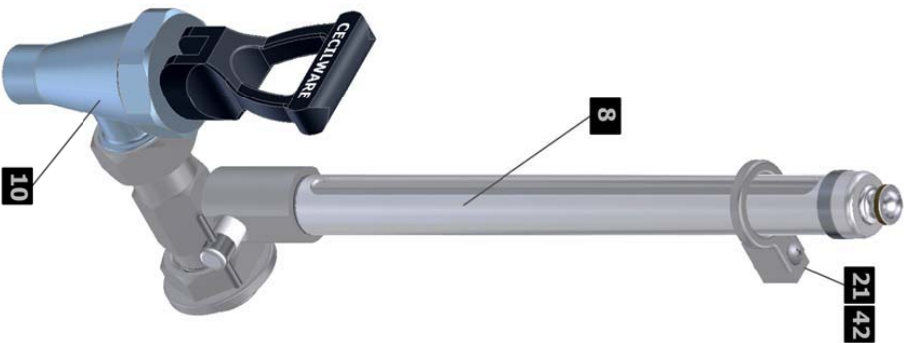


To prevent lime buildup, especially in hard water areas, remove and clean spray head cap and spray head disc frequently. To clean swivel valve, loosen nut and remove spray arm assembly from urn.  
Remove sediment by inserting a pipe cleaner through small hole in valve.  
If maximum setting of timer fails to deliver enough water, check water pump.

FAUCET, TEA



FAUCET, HOT WATER





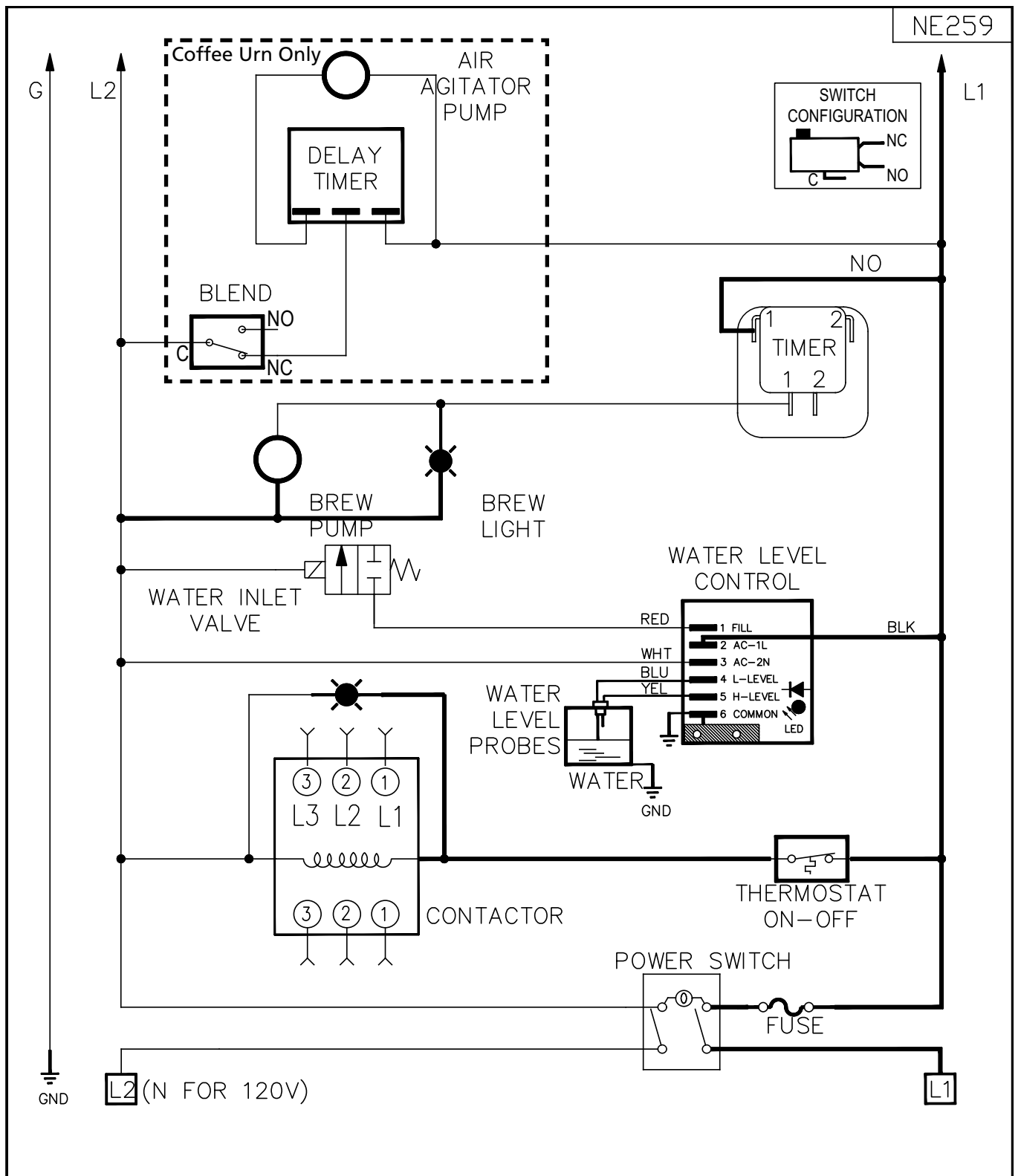
## Parts Diagram (continued)



## Parts List

| ITEM | PART #    | DESCRIPTION                              | CL75N | CL100N |
|------|-----------|------------------------------------------|-------|--------|
| 1    | B157A     | TERMINAL BLOCK 4 WIRE                    | 1     | 1      |
| 2    | C036AL    | CONTACTOR, 3 POLE, 50 AMP - (240V)       | -     | -      |
|      | CG12AL    | CONTACTOR, 3 POLE, 50 AMP - 120V         | 1     | 1      |
| 3    | C395AL    | FUSE 6A SC-6                             | 1     | 1      |
| 4    | C396AL    | FUSEHOLDER, SC-6                         | 1     | 1      |
| 6    | CD417     | WATER INLET VALVE (120V ONLY), .35 GPM   | 1     | 1      |
|      | CD418     | WATER INLET VALVE (240V), .35 GPM        | -     | -      |
| 7    | CH387     | WIRING HARNESS (MECH. TIMER)             | 1     | 1      |
| 8    | 355-00035 | SIGHT GLASS ASSEMBLY                     | 1     | 2      |
| 9    | D017Q     | FAUCET, SHANK ASSEMBLY (TEA)             | 1     | 2      |
| 10   | D022Q     | FAUCET, SHANK, VALVE ASSEMBLY (WATER)    | 1     | 1      |
| 11   | 355-00032 | SIGHT GLASS ASSEMBLY (WATER)             | 1     | 1      |
| 12   | E000A     | WATER PUMP (120V ONLY) (Prior to 3/2014) | 1     | 1      |
|      | E070A     | WATER PUMP (240V) (Prior to 3/2014)      | -     | -      |
|      | A533-033  | WATER PUMP (120V ONLY) (After 3/2014)    | 1     | 1      |
|      | A533-034  | WATER PUMP (240V) (After 3/2014)         | -     | -      |
| 13   | 359-00074 | OVERFLOW FITTING W/ NUT                  | 1     | 1      |
| 14   | 235-00007 | COMPLETE SPRAY ARM ASSY NO BYPASS        | 1     | 1      |
| 17   | 320-00020 | HEATER ELEMENT 7KW 240V 1PH              | 1     | 1      |
| 18   | H429Q     | TUBE, OVERFLOW                           | 1     | 1      |
| 19   |           | HOSE NUT ASSEMBLY                        | 1     | 1      |
| 20   | H416A     | WATER INLET TUBE                         | 1     | 1      |
| 21   | K808A     | RETAINER MOUNTING BLOCK                  | 2     | 3      |
| 22   | K810Q     | LEVEL SENSOR, DUAL PROBE                 | 1     | 1      |
| 23   | L007A     | THERMOMETER, BREW DIAL                   | 1     | 1      |
| 24   | L154A     | TIMER, MECHANICAL (0 - 15 MINUTES)       | 1     | 1      |
| 26   | L155A     | ROCKER SWITCH, POWER ON-OFF              | 1     | 1      |
| 28   | L780A     | THERMOSTAT 25A, URNS                     | 1     | 1      |
| 30   | L775A     | DUAL LEVEL CONTROL HI-LO (120V)          | 1     | 1      |
|      | L776A     | DUAL LEVEL CONTROL HI-LO (220V ONLY)     | -     | -      |
| 31   | M005S     | LEGS (4" ADJ) (4 PER BAG)                | 1     | 1      |
| 32   | M008A     | KNOB THERMOSTAT                          | 1     | 1      |
| 33   | M016A     | THERMOSTAT BEZEL                         | 1     | 1      |
| 34   | M027A     | KNOB, URN COVER                          | 1     | 2      |
| 35   | M326A     | WATER INLET HOSE 3/8 x 5/8 x 8"          | 1     | 1      |
| 36   | M461A     | SILICONE GROMMET 12mm                    | 3     | 3      |
| 37   | M462A     | SILICONE GROMMET 15mm                    | -     | -      |
| 40   | MA15A     | COPPER GASKET, TEFLON FILLED             | 6     | 7      |
| 41   | Q027Q     | LINER ASSY & COVER (CH75/ CH100)         | 1     | 2      |
| 42   | UB17A     | SIGHT GLASS RETAINER                     | 2     | 3      |
| 43   | V002A     | BREW BASKET, CH75 / CH100                | 1     | 1      |
| 44   | 32004L    | INDICATOR LIGHT W/ RED LENS              | -     | -      |
| 45   | ABB3WP    | FILTER PAPER (FE75N/FE100N)              | 1     | 2      |

# Wiring Diagram



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0516 Form #CW-327-01  
Part # 390-00071