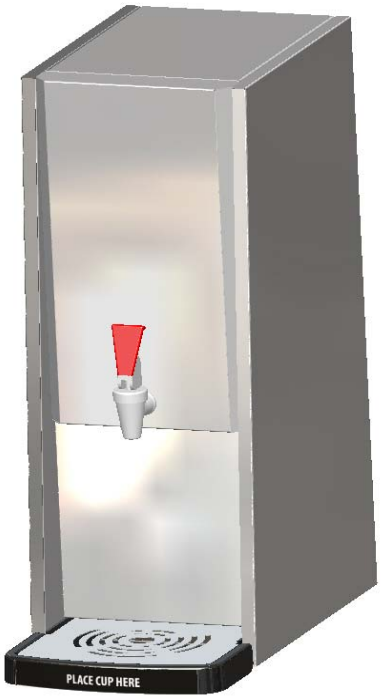
NHW-5
HOT WATER MACHINE

NEWCO
ENTERPRISES, INC.



Operating Instruction Manual
Model NHW-5

1-800-325-7867

3650 NEW TOWN BLVD ST. CHARLES MO 63301
WWW.NEWCOCOFFEE.COM

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Warning Labels

NOTICE: Read and follow all notices posted on this machine. Do not damage or destroy these notices as they are for your protection

WARNING

DO NOT USE PLASTIC TUBING
WHEN INSTALLING WATER LINE.
USE COPPER TUBING

THIS EQUIPMENT IS TO BE INSTALLED TO COMPLY WITH THE BASIC PLUMBING CODE OF THE BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC. (BOCA) AND THE FOOD SERVICE SANITATION MANUAL OF THE FOOD AND DRUG ADMINISTRATION (FDA).

! WARNING

- DO NOT OVERLOAD CIRCUIT.
- ALWAYS ELECTRICALLY GROUND THE CHASSIS OR ADAPTOR PLUG.
- DO NOT DEFORM PLUG OR CORD.
- FOLLOW NATIONAL AND LOCAL ELECTRICAL CODES.
- KEEP COMBUSTIBLES AWAY.

FAILURE TO COMPLY RISKS EQUIPMENT DAMAGE, FIRE OR SHOCK HAZARD.

READ THE ENTIRE OPERATING MANUALBEFORE USING THIS PRODUCT

MANUFACTURED BY:
NEWCO ENTERPRISES INC.
ST. CHARLES, MO 63301
LISTED
MFG. DATE 12/31/99 CB

120	VOLTS A.C.	14.2	AMP	1700	WATTS
1	PHASE	3	WIRE	60	HERTZ

Product Patents & Patent Information:

SERIAL NO. FK00000000

FK00000000

MODEL CX-2

CX-2

Introduction & Newco Product Warranty

INTRODUCTION

This machine is intended to dispense Hot Water in limited quantity into a cup or bowl.

WARRANTY

Newco coffee brewers are warranted against defects in workmanship or materials, under normal use, for one year from the date of purchase.

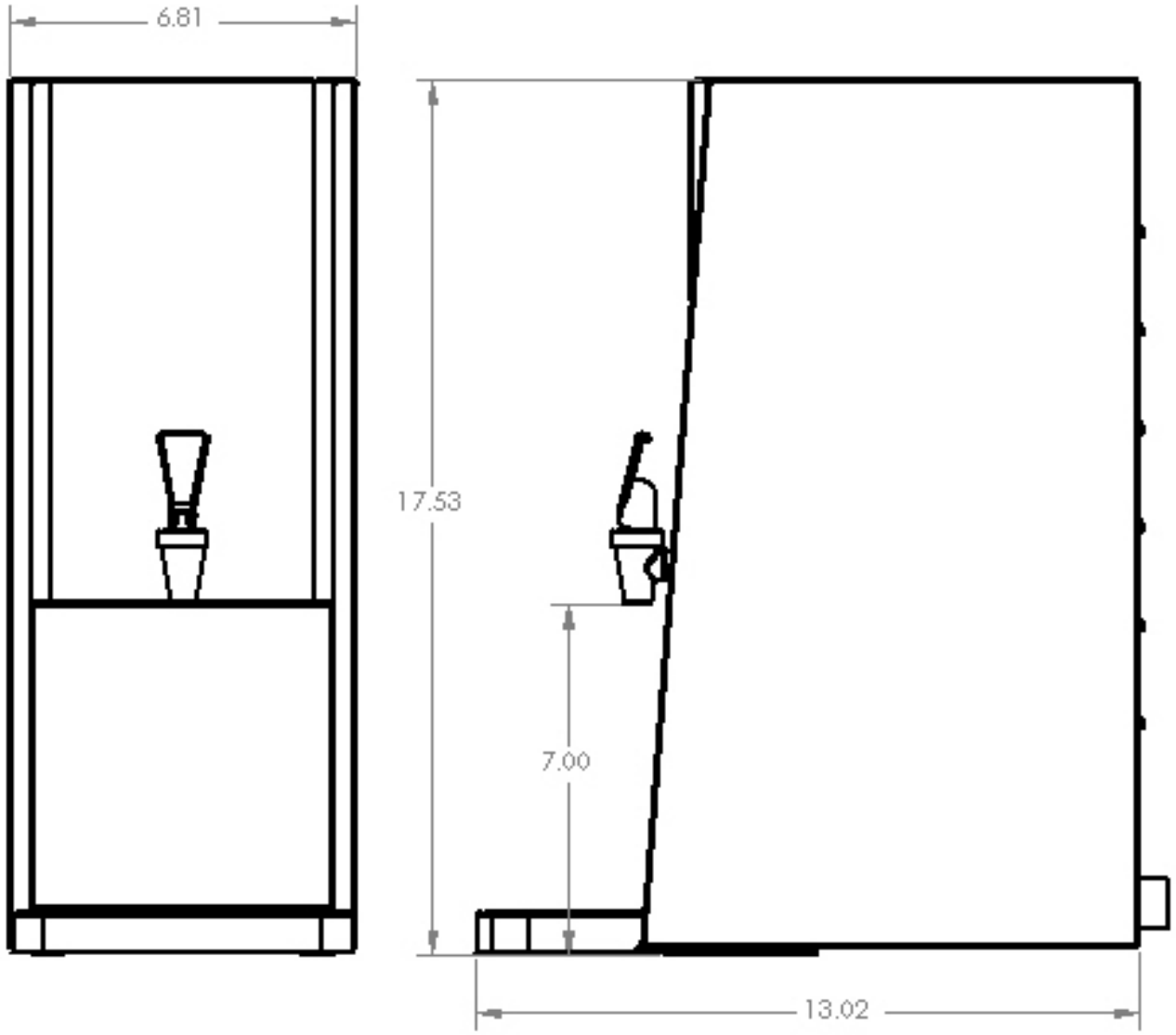
Liability in all events is limited to the purchase price paid and liability under the aforesaid warranty is limited to replacing or repairing any part or parts which are defective in material or workmanship, and returned to our factory, shipping cost prepaid. No warranty expressed or implied, other than the aforesaid is made or authorized by Newco Enterprises, Inc.

Prompt disposition will be made if item proves to be defective, within warranty. Before returning any item, write or call Newco, or the dealer from whom the product was purchased, giving model number, serial number, and date of purchase, and describe nature of the defect.

If damage was incurred during transit to you, file claim with the carrier.

Machine Dimensions & Specifications

120 VAC-1600W HEATER-15A USA POWER SUPPLY
120 VAC-1400W HEATER-15A CANADIAN POWER SUPPLY
1/2 GALLON TANK
8-12 OZ CUP SIZE
TEMPERATURE RANGE 180-205F



Plumber's Installation Instructions

CAUTION: Disconnect Power to machine before proceeding with plumbing installation.

1) Attach water line to water filter, rear of machine.
2) Flush water line before installing machine. Machine should be connected to COLD WATER LINE ONLY.
3) Water pressure should be at least 40 lbs. For less than a 25 ft run, use 1/4" copper tubing and connect to 1/2" or larger water line. For longer runs, use 3/8" copper tubing & connect to 1/2" or larger water line and provide an adapter fitting for connection to the brewer. **A dedicated water line is necessary for this machine. Minimum flow rate is 1GPM.**
4) If installed with saddle valve, the valve should have a minimum of 1/8" porthole for up to 25 ft run, and 5/16" porthole for over 25 ft runs.
5) **Manufacturer recommends connecting to copper tubing.**

Electrical Hook-Up

WARNING

The Machine must be disconnected from the power source until specified in Installation Instructions.

Determine the available on-site electrical requirements

Refer to Data Plate on the Machine, and local/national electrical codes to determine circuit requirements.

CAUTION – Improper electrical installation will damage electronic components.

Installation Instructions

WARNING: - Read and follow installation instructions before plugging or wiring in machine to electrical circuit. Warranty will be void if machine is connected to any voltage other than that specified on the nameplate serial tag.

1) Machine must be on a flat and level surface. Plug or wire in machine to appropriate voltage as noted on the machine serial tag. Serial tag is located on inside of machine.
2) With water line connected, turn machine power ON (power switch located lower left rear of machine). Install Drip tray and drip tray grate under brew area (slide tray between guide rails until seated).
3) Tank will automatically fill, and machine will start heating. If tank does not fill in 8 minutes, a tank fill error will occur. (Note: To reset error power machine on/off with power switch).
4) Allow 5 to 10 minutes for water in tank to heat to brewing temperature. (Additional water may drip into drip tray on initial expansion of water in the tank). This will not occur thereafter.
5) Heater will turn on when tank is at probe level. When tank noise is no longer heard, machine is ready to operate

6) In higher altitude locations (5000 feet above sea level) the thermostat may have to be adjusted lower to prevent boiling:

Operating Instructions

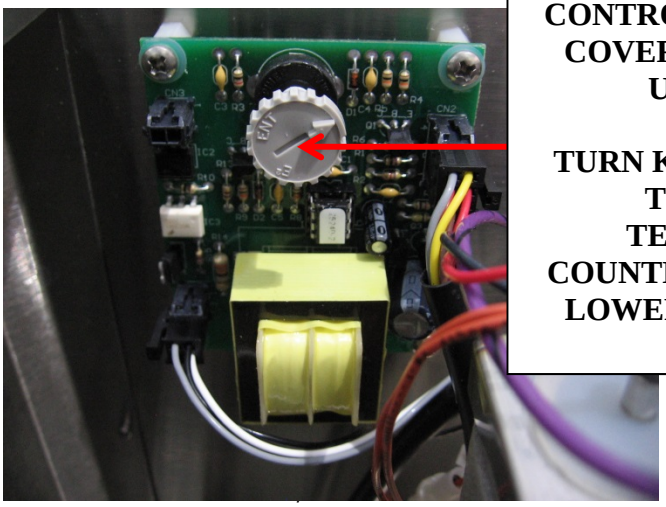
Once the machine has filled and water is heated to temperature, machine is ready to dispense Hot Water.

To dispense Hot Water, place cup or bowl under dispense nozzle. Pull down Red Handle on Dispense Nozzle to dispense hot water, and release nozzle when finished.

CAUTION-WATER IS EXTREMELY HOT!!

Machine will automatically refill and reheat.

Temperature Adjustment



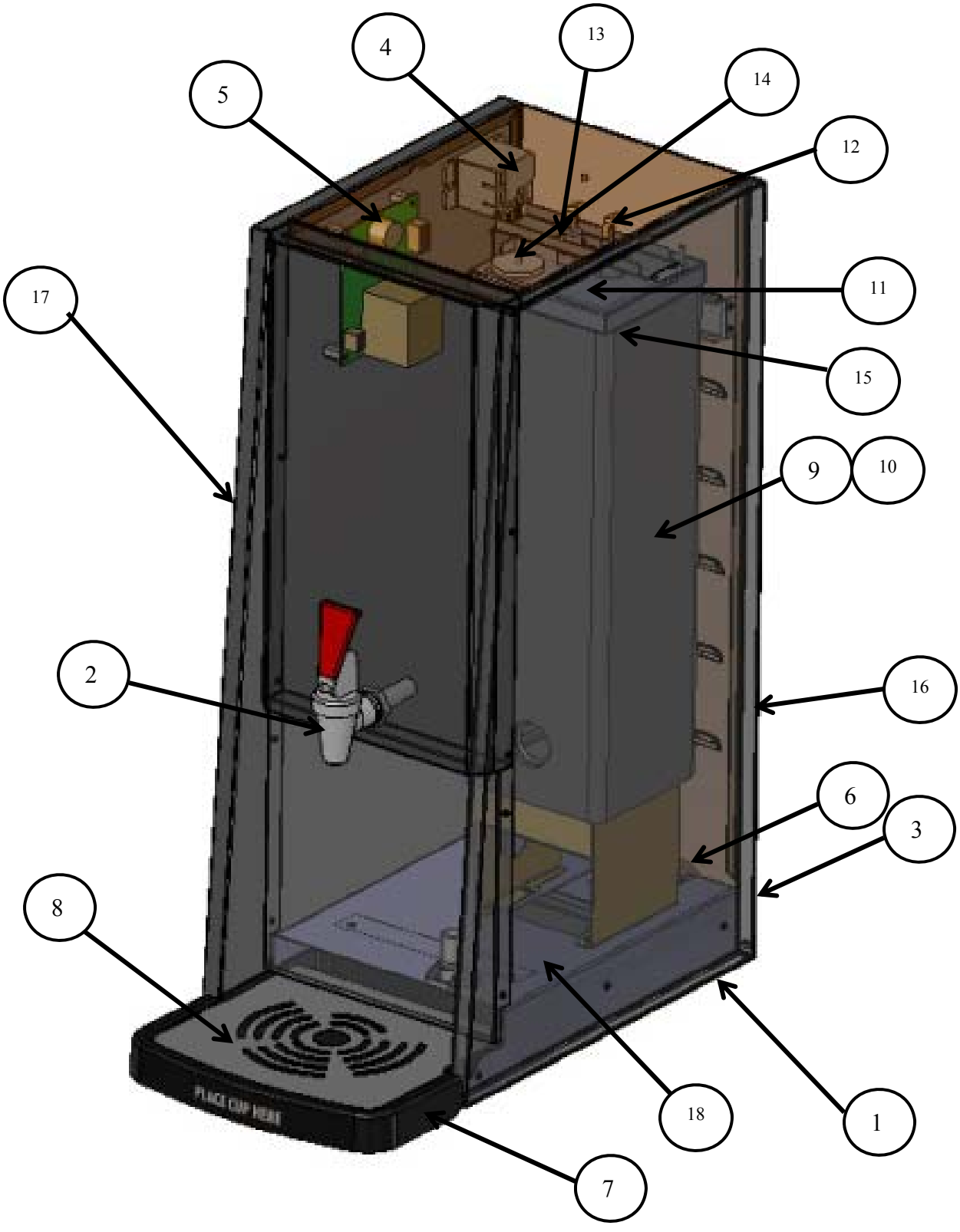
TO ACCESS HEATER CONTROL, REMOVE REAR COVER WITH MACHINE UNPLUGGED.

TURN KNOB CLOCKWISE TO INCREASE TEMPERAUTRE, COUNTERCLOCKWISE TO LOWER TEMPERATURE

Machine Troubleshooting

PROBLEM	CAUSE	CORRECTIVE ACTION
1. No water	a) Water turned off b) Water line not connected c) Faulty water inlet valve	a) Turn water on –open shutoff valve b) Ensure water line is connected c) Check valve and connections-replace if necessary
2. Water not hot	a) Temperature setting too low b) Heater overload tripped c) Defective heater element d) Defective thermistor	a) Adjust temperature setting (+) b) Reset hi-limit thermostat) c) Replace heater element d) Replace thermistor
3. Water does not shut off	a) Liquid level probe malfunction b) Faulty water inlet valve	a) Check probe connections b) Check valve and connections-replace if necessary
4. Water boiling	a) Temp setting too high b) Malfunctioning thermistor	a) Adjust temp settting (-) b) Replace thermistor

Machine Parts Locator



Machine Parts Locator-Listing

1	100078	FOOT,BUMPER WITH SCREW
2	102770	FAUCET ACE W/RED HANDLE
3	110626	SWITCH,DP/ST,RECT,ROCKER
4	110958	RELAY,12V DC,SPST,30 AMP
5	111719	BOARD,ECONO HOT WATER DIS
6	120378	VALVE ASY,LCD1,HOT
7	121304	DRIP TRAY,LCD-1
8	121305	GRID,DRIP TRAY,LCD-1
9	121576	TNK ASY,COMPCT HOT/W,1600
10	120898	TANK BODY W/INSUL,LCD-1
11	111593	THERM,MAN,VERTAB,221F,25A
12	120928-10	ELE,MAIN,1600W,120V,LCD-1
13	151800	THERMISTOR ASS'Y, SINGLE 5.75"
14	500398	PROBE 1.818 & BUSHING ASY
15	120929	GASKET,TANK,LCD-1
16	121578	PANEL,BACK,EXT,S/S,SHWM
17	121584	PANEL,SIDE,EXT,LH,SHWM
18	121585	PANEL,SIDE,EXT,RH,SHWM
19	202103	STRAINER ASY,1/4FL,S/S, (NOT SHOWN)

Wiring Diagram

