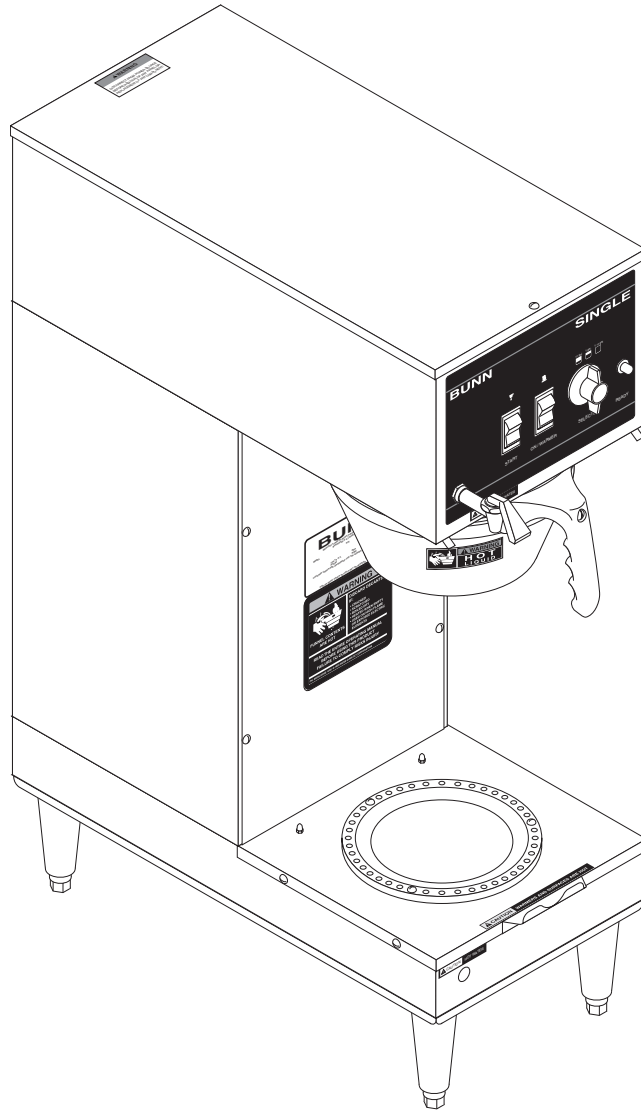


# BUNN®

# SINGLE®



## INSTALLATION & OPERATING GUIDE

### BUNN-O-MATIC CORPORATION OF CANADA

280 INDUSTRIAL PARKWAY SOUTH,  
AURORA, ONTARIO, L4G 3T9.

PHONE: (905) 841-2866 FAX: (905) 841-2775

To ensure you have the latest revision of the manual or to obtain the illustrated parts catalog, please visit the Bunn-O-Matic website, at [www.bunn.com](http://www.bunn.com). This is absolutely FREE, and the quickest way to obtain the latest catalog and manual updates. Contact Bunn-O-Matic Corporation at 1-800-263-2256 to obtain a paper copy of the required Illustrated Parts Catalog mailed via Canada Post.



## BUNN-O-MATIC COMMERCIAL PRODUCT WARRANTY

Bunn-O-Matic Corporation of Canada (“Bunn”) warrants equipment manufactured by it as follows:

- 1) Airpots, thermal carafes, decanters, GPR servers, iced tea/coffee dispensers, MCP/MCA pod brewers thermal servers and Thermofresh servers (mechanical and digital) - 1 year parts and 1 year labour.
- 2) All other equipment - 2 years parts and 1 year labour plus added warranties as specified below:
  - a) Electronic circuit and/or control boards - parts and labour for 3 years.
  - b) Compressors on refrigeration equipment - 5 years parts and 1 year labour.
  - c) Grinding burrs on coffee grinding equipment to grind coffee to meet original factory screen sieve analysis - parts and labour for 4 years or 40,000 pounds of coffee, whichever comes first.

These warranty periods run from the date of installation. Bunn warrants that the equipment manufactured by it will be commercially free of defects in material and workmanship existing at the time of manufacture and appearing within the applicable warranty period. This warranty does not apply to any equipment, component or part that was not manufactured by Bunn or that, in Bunn’s judgement, has been affected by misuse, neglect, alteration, improper installation or operation, improper maintenance or repair, non periodic cleaning and descaling, equipment failures related to poor water quality, damage or casualty. In addition, the warranty does not apply to replacement of items subject to normal use including but not limited to user replaceable parts such as seals and gaskets. This warranty is conditioned on the Buyer 1) giving Bunn prompt notice of any claim to be made under this warranty by telephone at (905) 841-2866 or by writing to 280 Industrial Parkway South, Aurora, Ontario, L4G 3T9. 2) if requested by Bunn, shipping the defective equipment prepaid to an authorized Bunn service location; and 3) receiving prior authorization from Bunn that the defective equipment is under warranty.

**THE FOREGOING WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTY, CONDITION, WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF EITHER MERCHANTABILITY, MERCHANTABILITY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE.** The agents, dealers or employees of Bunn are not authorized to make modifications to this warranty or to make additional warranties that are binding on Bunn. Accordingly, statements by such individuals, whether oral or written, do not constitute warranties and should not be relied upon.

If Bunn determines in its sole discretion that the defective equipment is covered by warranty, Bunn, at its exclusive option while the equipment is under warranty, shall either 1) provide at no charge replacement parts and/or labour (during the applicable parts and labour warranty periods specified above) to repair the defective components, provided that this repair is done by a Bunn Authorized Service Representative; or 2) shall replace the equipment or refund the purchase price for the equipment.

**THE BUYER’S REMEDY AGAINST BUNN FOR THE BREACH OF ANY OBLIGATION ARISING OUT OF THE SALE OF THIS EQUIPMENT, WHETHER DERIVED FROM WARRANTY OR OTHERWISE, SHALL BE LIMITED, AT BUNN’S SOLE OPTION AS SPECIFIED HEREIN, TO REPAIR, REPLACEMENT OR REFUND.**

In no event shall Bunn be liable for any other damage or loss, including, but not limited to, lost profits, lost sales, loss of use of equipment, claims of Buyer’s customers, cost of capital, cost of down time, cost of substitute equipment, facilities or services, or any other special, incidental, consequential or punitive damages.

### RETURN POLICY

CONTACT PLANT FOR RETURN MATERIAL AUTHORIZATION. ALL RETURNS MUST BE AUTHORIZED BY BUNN-O-MATIC AND ARE SUBJECT TO A RETURN CHARGE.



392, AutoPOD, AXIOM, BrewLOGIC, BrewMETER, Brew Better Not Bitter, BrewWISE, BrewWIZARD, BUNN Espresso, BUNN Family Gourmet, BUNN Gourmet, BUNN Pour-O-Matic, BUNN, BUNN with the stylized red line, BUNNlink, Bunn-O-Matic, Bunn-O-Matic, BUNNserve, BUNNSERVE with the stylized wrench design, Cool Froth, DBC, Dr. Brew stylized Dr. design, Dual, Easy Pour, EasyClear, EasyGard, FlavorGard, Gourmet Ice, Gourmet Juice, High Intensity, iMIX, Infusion Series, Intellisteam, My Café, Phase Brew, PowerLogic, Quality Beverage Equipment Worldwide, Respect Earth, Respect Earth with the stylized leaf and coffee cherry design, Safety-Fresh, savemycoffee.com, Scale-Pro, Silver Series, Single, Smart Funnel, Smart Hopper, SmartWAVE, Soft Heat, SplashGard, The Mark of Quality in Beverage Equipment Worldwide, ThermoFresh, Titan, trifecta, Velocity Brew, A Partner You Can Count On, Air Brew, Air Infusion, Beverage Bar Creator, Beverage Profit Calculator, Brew better, not bitter., BUNNSource, Coffee At Its Best, Cyclonic Heating System, Daypart, Digital Brewer Control, Nothing Brews Like a BUNN, Pouring Profits, Signature Series, Tea At Its Best, The Horizontal Red Line, Ultra are either trademarks or registered trademarks of Bunn-O-Matic Corporation.

# USER NOTICES


The notices on this brewer should be kept in good condition. Replace unreadable or damaged labels.

 <b>WARNING / AVERTISSEMENT</b>		
<b>DISCARD DECANTER IF:</b> <ul style="list-style-type: none"> <li>• CRACKED</li> <li>• SCRATCHED</li> <li>• BOILED DRY</li> <li>• HEATED WHEN EMPTY</li> <li>• USED ON HIGH FLAME OR EXPOSED ELECTRIC ELEMENTS</li> </ul>	<b>FUNNEL CONTENTS ARE HOT</b>  <b>LE CONTENU DE L'ENTONNOIR EST CHAUD</b>	<b>JETER LA CARAFE :</b> <ul style="list-style-type: none"> <li>• SI ELLE EST FISSURÉE</li> <li>• SI ELLE EST RAYÉE</li> <li>• SI ON A LAISSÉ DE L'EAU S'ÉVAPORER PAR ÉBULLITION</li> <li>• SI ELLE A ÉTÉ CHAUFFÉE À VIDE</li> <li>• SI ELLE A ÉTÉ UTILISÉE SUR UNE FLAMME VIVE OU SUR DES ÉLÉMENTS ÉLECTRIQUES DÉCOUVERTS</li> </ul>
<small>READ THE ENTIRE OPERATING MANUAL BEFORE USING THIS PRODUCT. FAILURE TO COMPLY RISKS INJURY. VEUILLEZ LIRE LE MANUEL D'EMPLOI AVANT D'UTILISER CE PRODUIT. L'INOBSEVATION DE CES CONSEILS PEUT ENTRAÎNER DES RISQUES DE BLESSURE.</small>		
<small>PN: 00658.7000G 02/10 © 1985 BUNN-O-MATIC CORPORATION OF CANADA</small>		

00658.7000

 <b>WARNING</b>	 <b>AVERTISSEMENT</b>
<ul style="list-style-type: none"> <li>• FILL WATER TANK BEFORE PLUGGING IN UNIT OR ENERGIZING THE THERMOSTAT.</li> <li>• DO NOT OVERLOAD CIRCUIT.</li> <li>• ALWAYS ELECTRICALLY GROUND THE CHASSIS.</li> <li>• DO NOT DEFORM PLUG OR CORD.</li> <li>• FOLLOW NATIONAL AND LOCAL ELECTRICAL CODES.</li> <li>• KEEP COMBUSTIBLES AWAY.</li> </ul>	<ul style="list-style-type: none"> <li>• REMPLIR LE RÉSERVOIR D'EAU AVANT DE BRANCHER L'APPAREIL OU DE METTRE LE THERMOSTAT SOUS TENSION.</li> <li>• NE PAS SURCHARGER LE CIRCUIT.</li> <li>• TOUJOURS METTRE LE BOITIER À LA MASSE.</li> <li>• NE PAS DÉFORMER LA FICHE OU LE CORDON.</li> <li>• SE CONFORMER AUX CODES NATIONAL OU LOCAL D'ÉLECTRICITÉ.</li> <li>• GARDER LES PRODUITS COMBUSTIBLES À DISTANCE.</li> </ul>
<small>FAILURE TO COMPLY RISKS EQUIPMENT DAMAGE, FIRE OR SHOCK HAZARD.</small>	<small>TOUT MANQUEMENT À SE CONFORMER À CES DIRECTIVES PEUT ENTRAÎNER DES DOMMAGES À L'ÉQUIPEMENT OU PRODUIRE DES DANGERS D'INCENDIE OU D'ÉLECTROCUTION.</small>
<small>READ THE ENTIRE OPERATING MANUAL INCLUDING THE LIMIT OF WARRANTY AND LIABILITY BEFORE BUYING OR USING THIS PRODUCT.</small>	<small>VEUILLEZ LIRE LE MANUEL DE FONCTIONNEMENT EN ENTIER, Y COMPRIS LES LIMITES DE GARANTIES ET RESPONSABILITÉS, AVANT D'ACHETER OU D'UTILISER LE PRÉSENT PRODUIT.</small>
<small>THIS EQUIPMENT IS ENERGIZED AT ALL TIMES UNLESS ELECTRICALLY DISCONNECTED.</small>	<small>L'ÉQUIPEMENT EST TOUJOURS SOUS TENSION LORSQU'IL N'EST PAS DÉBRANCHÉ.</small>
<small>00831.0002K 17/11 © 1984 BUNN-O-MATIC CORPORATION</small>	

00831.0002

<b>WARNING</b>  <b>AVERTISSEMENT</b>
<p>To reduce the risk of electric shock, do not remove or open cover. No user-serviceable parts inside. Authorized service personnel only. Disconnect power before servicing.</p> <p>Afin d'éviter un risque d'électrocution, ne pas ouvrir ou enlever le panneau. Aucune pièce utile pour l'opérateur à l'intérieur. Seulement le personnel autorisé peut effectuer les réparations. Débrancher de la source de courant avant d'effectuer une réparation.</p>

37881.7000

<p>This equipment must be installed to comply with Canadian Plumbing Codes and applicable health and safety regulations. For models installed outside Canada, comply with the applicable Plumbing /Sanitation Code.</p> <p>Cet équipement doit être installé conformément au code Canadien de plomberie et aux règlements de santé et de sécurité qui s'appliquent. Les modèles destinés à être installés ailleurs qu'au Canada doivent respecter les codes de plomberie et d'hygiène de la localité.</p>
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00656.7001

	 <b>WARNING/AVERTISSEMENT</b>	
	<b>REMOVE FUNNEL SLOWLY</b>	<b>RETIRER L'ENTONNOIR LENTEMENT</b>

03408.7000

<p><b>MAIN ON/OFF SWITCH</b></p> <p><b>INTERRUPTEUR PRINCIPAL</b></p> <p>↓ ↓</p>
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39803.7000



00824.0002



00824.0001

	 <b>WARNING/AVERTISSEMENT</b>	
	<b>HOT LIQUID</b>	<b>LIQUIDE CHAUD</b>

03409.7002

<b>WARNING</b>  <b>AVERTISSEMENT</b>	
<b>HOT WATER</b>	<b>EAU CHAUDE</b>

36302.7000

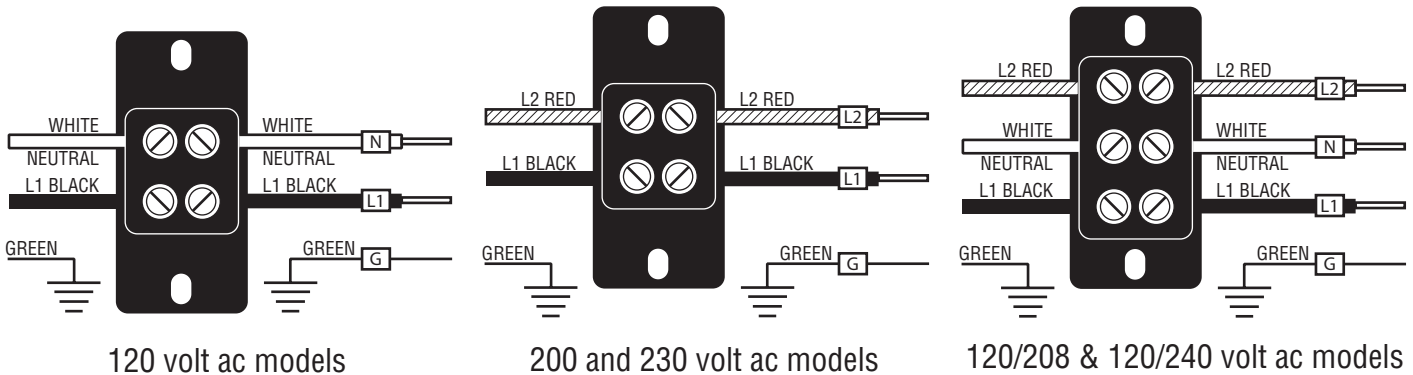
 <b>CAUTION ATTENTION</b>	<b>WARMERS AND SURFACES ARE HOT</b>	<b>LES RÉCHAUDS ET LES SURFACES SONT CHAUDES</b>
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12364.7000

## ELECTRICAL REQUIREMENTS

**WARNING** - The brewer must be disconnected from the power source until specified in *Initial Set-Up*.

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



Note: This electrical service consists of 2 current carrying conductors (L1 and L2) and a separate conductor for earth ground.

Note: This electrical service consists of 2 current carrying conductors (L1 and L2) and a separate conductor for earth ground.

Note: This electrical service consists of 3 current carrying conductors (Neutral, L1 and L2) and a separate conductor for earth ground.

## ELECTRICAL HOOK-UP

**CAUTION** – Improper electrical installation will damage electronic components.

1. An electrician must provide electrical service as specified.
2. Using a voltmeter, check the voltage and color coding of each conductor at the electrical source.
3. Remove the front panel beneath the sprayhead.

### Models with electronic control assemblies:

Place the tank heater switch at the top of the control assembly in the “OFF” position.

### Models with electro/mechanical thermostats:

Rotate the control thermostat knob fully counterclockwise to the “OFF” position.

4. Feed the cord through the strain relief and connect it to the terminal block.
5. Connect the brewer to the power source and verify the voltage at the terminal block before proceeding. Replace the front panel.
6. If plumbing is to be hooked up later be sure the brewer is disconnected from the power source. If plumbing has been hooked up, the brewer is ready for Initial Set-Up.

## PLUMBING REQUIREMENTS

This brewer must be connected to a cold water system with operating pressure between 20 and 90 psi (138 and 620 kPa) from a  $\frac{1}{2}$ " or larger supply line. A shut-off valve should be installed in the line before the brewer. Install a regulator in the line when pressure is greater than 90 psi (620 kPa) to reduce it to 50 psi (138 kPa). The water inlet fitting is  $\frac{1}{4}$ " flare.

**NOTE** – Bunn-O-Matic recommends  $\frac{1}{4}$ " copper tubing for installations of less than 25 feet and  $\frac{3}{8}$ " for more than 25 feet from the  $\frac{1}{2}$ " water supply line. A tight coil of copper tubing in the water line will facilitate moving the brewer to clean the counter top. Bunn-O-Matic does not recommend the use of a saddle valve to install the brewer. The size and shape of the hole made in the supply line by this type of device may restrict water flow.

**This equipment must be installed to comply with the National Plumbing Code of Canada and the Canadian Food Inspection Agency. For models installed outside Canada, you must comply with the applicable Plumbing/Sanitation Code for your area.**

## PLUMBING HOOK-UP

**NOTE** - If a backflow preventer is required by code, a shock arrestor should be installed between backflow preventer and dispenser. Installing the shock arrestor as close to dispenser as possible will provide best results.

1. Attach the flare fitting from the short piece of tubing on the strainer/flow control (supplied) to the water inlet fitting on the bottom of the brewer.
2. Flush the water line and securely attach it to the flare fitting on the strainer/flow control.
3. Turn on the water supply.



## INITIAL SET-UP

**CAUTION** – The brewer must be disconnected from the power source throughout the initial set-up, except when specified in the instructions.

**NOTE:** ECA Models Only - This brewer is equipped with a temperature sensor that indicates when to brew and, when selected, locks out the start of a brew cycle until the water has heated to the optimum brewing temperature.

1. Remove the front panel beneath the sprayhead.

**Models with electronic control assemblies:**

Place the tank heater switch at the top of the control assembly in the “OFF” position.

**Models with electro/mechanical thermostats:**

Rotate the control thermostat knob fully counterclockwise to the “OFF” position.

2. Connect the brewer to the power source. Water will begin flowing into the tank.
3. When water stops flowing into the tank, remove the front panel and proceed as directed:

**Models with electronic control assemblies:**

Place the tank heater switch at the top of the control assembly in the “ON” position and replace the front panel.

**Models with electro/mechanical thermostats:**

Rotate the control thermostat knob fully clockwise to the “ON” position and replace the front panel.

4. Wait approximately twenty-five minutes on 208V,240V Models or fifty minutes on 120V Models for the water in the tank to heat to the proper temperature.
5. Place an empty server beneath the brew station. Place the Selector switch in the one-gallon position, the On/OFF switch in the upper position and initiate a brew cycle.
6. Place the On/Off switch in the lower “OFF” position after water has stopped flowing from the funnel, and check the water volume in the server. It should be 128 ounces.
7. (A) If not, adjust the timer as required. Refer to Adjusting Brew Volumes.  
(B) If necessary adjust the needle valve to achieve water volume to be bypassed around the coffee filter in the funnel.

**NOTE:** To increase the water bypass turn the needle valve counterclockwise, to decrease the water bypass turn the needle valve clockwise. An adjustment to the needle valve will require a timer adjustment for volume.

8. Repeat step 7 until the proper water volume is achieved.
9. The brewer is now ready for use in accordance with the coffee brewing instructions.

## CE REQUIREMENTS

- This appliance must be installed in locations where it can be overseen by trained personnel.
- For proper operation, this appliance must be installed where the temperature is between 5°C to 35°C.
- Appliance shall not be tilted more than 10° for safe operation.
- An electrician must provide electrical service as specified in conformance with all local and national codes.
- This appliance must not be cleaned by water jet.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given instructions concerning use of this appliance by a person responsible for its safety.
- Children should be supervised to ensure they do not play with the appliance.
- If the power cord is ever damaged, it must be replaced by the manufacturer or authorized service personnel with a special cord available from the manufacturer or its authorized service personnel in order to avoid a hazard.

## ADJUSTING BREW VOLUMES

**CAUTION** - Disconnect the power source from the brewer prior to the removal of any panel for the replacement or adjustment of any component.

**NOTE:** Prior to setting or modifying batch sizes, check that the brewer is connected to water supply, the tank is properly filled, and a funnel and server are in place.

1. **Modifying batch sizes.** To modify a batch volume, first check that the SET/LOCK switch is in the “SET” position on the circuit board.

**To increase a batch size.** Press and hold the START or BREW switch until three clicks are heard. Release the switch (Failure to release the switch within two seconds after the third click causes the volume setting to be aborted and previous volume setting will remain in memory) and press it again one or more times. Each time the switch is pressed, two seconds are added to the brew time period. Allow the brew cycle to finish in order to verify that the desired volume has been achieved.

**To decrease a batch size.** Press and release the START or BREW switch once for every two-second interval to be removed from the total brew time period; then immediately press and hold down the START or BREW switch until three clicks are heard. Release the switch. (Failure to release the switch within two seconds after the third click causes the volume setting to be aborted and previous volume setting will remain in memory). Allow the brew cycle to finish in order to verify that the desired volume has been achieved.

2. **Setting batch sizes.** To set a batch volume, first check that the SET/LOCK switch is in the “SET” position on the circuit board. Press and hold the START or BREW switch until three distinct clicks are heard, and then release the switch. (Failure to release the switch within two seconds after the third click causes the volume setting to be aborted and previous volume setting will remain in memory). View the level of the liquid being dispensed. When the desired level is reached, turn the ON/OFF switch to “OFF” (lower). The brewer remembers this volume and will continue to brew batches of this size until the volume setting procedure is repeated.

**NOTE:** When brewing coffee, batch volumes will decrease due to absorption by the coffee grounds.

3. **Setting programming disable feature.** If it becomes necessary to prevent anyone from changing brew times once programmed, you can set the SET/LOCK switch to the “LOCK” position. This will prevent any programming to be done until switch is once again placed in the “SET” position.

**NOTE:** If the clicks can not be heard, lightly grip the incoming water line to feel when the valve cycles on and off.

## **OPERATING CONTROLS**

### **BREW SELECTOR SWITCH**

Placing the switch in the ½ Gal, 1 Gal, or 1½ Gal position selects the amount of coffee to be brewed in subsequent brew cycles. Repositioning this switch after a brew cycle has been initiated does not change the brew batch in progress.

### **ON/OFF SWITCH**

Placing the switch in the unlighted lower position cuts power to the brew station warmer and stops brewing. Stopping a brew cycle after it has been started will not stop the flow of water from the funnel. Placing the switch in the lighted upper position supplies power to the brew station warmer and enables the brew circuit.

### **START SWITCH**

Momentarily pressing and releasing this switch starts a brew cycle when the On/Off switch is in the lighted upper position.

**NOTE** – The On/Off switch must be in the lighted upper position to initiate and complete a brew cycle.

## **COFFEE BREWING**

1. Select the desired batch size.
2. Insert a BUNN filter into the funnel.
3. Pour the proper amount of fresh coffee into the filter and level the bed of grounds by gently shaking.
4. Slide the funnel into the funnel rails.
5. Place an empty server under the funnel.
6. Place the On/Off switch in the lighted upper position. Momentarily press and release the start switch.
7. When brewing is completed, simply discard the grounds and filter.

## **CLEANING**

1. The use of a damp cloth rinsed in any mild, non-abrasive, liquid detergent is recommended for cleaning all surfaces on Bunn-O-Matic equipment.
2. Check and clean the sprayhead. The sprayhead holes must always remain open.

**NOTE** – In hard water areas, this may need to be done daily. It will help prevent liming problems in the brewer and takes less than a minute.