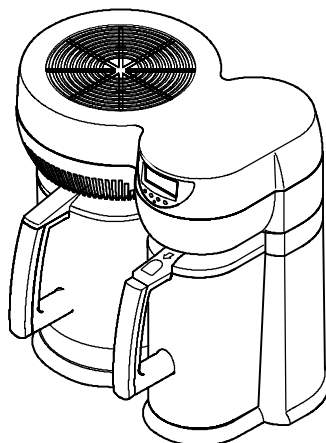


# OWNERS MANUAL

MODEL EWS-EU500/230

MODEL EWS-EU800/230



MODEL EWS-EU800/230 pictured

## EcoWater Countertop Water Purifier

- Eliminates the inconvenience and expense of buying bottled water. No more trips to the store or heavy bottles to carry home. The EcoWater Water Purifier lets you bottle your own water at a fraction of the cost.
- With the EcoWater Water Purifier you will produce sparkling clean, great tasting water . . . ideal for drinking, coffee, tea, juices, vegetables, soups, sauces, stews, sorbets, frozen desserts and baby formulas.
- Increases the life of water using appliances such as coffee makers, steam irons and humidifiers preventing mineral build-up. Also eliminates the white dust residue when used in humidifiers.
- Works great around the house on special jobs like watering plants, cleaning contact lenses, photo processing and filling batteries.
- Can be used in dental or doctors offices, veterinary surgeries and laboratories.

**ECOWATER**  
S Y S T E M S®



EcoWater Systems Europe, NV  
Geelseweg 30A  
B-2250 Olen  
Belgium

EcoWater Systems  
Mill Road, Stokenchurch  
Bucks HP14 3TP  
England

Rev. 08/10

## LIMITED WARRANTY

### FULL TWO YEAR WARRANTY ON WATER PURIFIER (except carbon filter & kettle lid seal)

For two years from the date of purchase, EcoWater Systems will replace this Water Purifier (except carbon filter & kettle lid seal) free of charge, if defective in material or workmanship.

WARRANTY SERVICE IS AVAILABLE BY SIMPLY RETURNING THE WATER PURIFIER TO ECOWATER SYSTEMS.

This warranty gives you specific legal rights, and you may have other rights which vary from region to region.

### WARNING - RULES FOR SAFE OPERATION OF YOUR WATER PURIFIER

#### ◆ Before using your purifier, read these rules and instructions carefully.

◆ This Purifier is recommended for use on potable water supplies only. DO NOT attempt to purify and make safe drinking water from non-potable (not for drinking) water sources. DO NOT use for anything other than purifying water.

◆ DO NOT use for cooking, heating, humidifying, or any other purposes except distilling water.

◆ Use your Purifier indoors on a dry, **level** surface, away from other heat sources.

◆ DO NOT use the Purifier if damaged, or if the electrical cord is defective or wet.

◆ Plug the Purifier into a 220, 230 or 240 volt AC house electrical outlet only.

◆ DO NOT operate the Purifier nearby a surface edge where it could tip, fall, be accidentally bumped, or pulled over the edge by small children.

◆ DO NOT operate in a moving vehicle.

◆ Use in a well ventilated area. Provide clearance between the purifier and walls and the cabinets above.

◆ DO NOT move the Purifier while it is operating or cooling.

◆ DO NOT FILL ABOVE THE MAX FILL LINE for good quality product water, and to prevent overflow of the storage bottle.

◆ NEVER REMOVE THE COVER WHILE THE PU-

RIFIER IS ON OR IF THE FAN IS RUNNING. Allow the Purifier to cool at least 30 minutes after a cycle is over. **Boiling water or steam will cause severe burns.**

◆ **KEEP CHILDREN AWAY. .... HOT, BOILING water and steam in the Purifier will scald if spilled on skin.**

◆ The heating element is in the base of the Purifier and, although insulated, the bottom does get hot during use. **Do not touch the bottom**, and be sure to set on a surface able to withstand this heat.

◆ DO NOT hang the electrical cord over the edge of the counter, pinch in a drawer, lay on a burner or other hot surface.

◆ Unplug the Purifier electrical cord from the wall outlet when cleaning base unit.

◆ DO NOT immerse any part of the Purifier in water.

◆ To clean the outside of the Purifier, wipe with a damp cloth. Rinse boiling chamber after every use. Use Distiller Cleaner only on the inside of the boiling chamber, when needed.

◆ DO NOT plug steam vent on top of kettle cover.

◆ DO NOT operate purifier without first adding water.

◆ Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

**A.** A short power supply cord is provided to reduce the risk of becoming entangled in, or tripping over a longer cord.

**B.** An extension cord may be used if care is exercised in its use.

**C.** If an extension cord is used, (1) the marked electrical rating must be at least as great as the electrical rating of the appliance, (2) the longer cord

should be arranged so it will not drape over the counter or table top where it can be pulled on by children, or tripped over unintentionally.

**D.** This appliance has a detachable power cord. To reduce to risk of electrical shock, use only the power cord supplied with the water purifier. Do not modify the power cord in any way.

The physiological effects of the operation of this appliance, beneficial or otherwise, have not been investigated by Underwriters Laboratories Inc. See Product Data Sheet for test data obtained from an independent laboratory.

---

## HOW YOUR PURIFIER WORKS

---

The Purifier distils and turns ordinary tap water into clean, clear purified water. Uses for purified water include drinking, cooking, ice cubes, salt-restricted diets, baby formulas, steam irons, photo processing, cleaning contact lenses, autoclave, ultrasonic baths, dental chair-side water bottles and rinsing instruments prior to sterilisation.

By heating water to boiling, the water is changed to steam, which rises. As the steam cools and turns back into water, it is collected in the carafe.

Impurities are left behind in the kettle.

Purified water will remain fresher-tasting if it is kept tightly capped. Also shaking the carafe before pouring will aerate the water and make it taste better.

Order extra carafes from the outlet where you purchased your water purifier (see page 7) so you can chill one bottle of purified water while you make more.

---

### STOPPING UNIT DURING OPERATION (MODEL EWS-EU500/230)

---

1. Remove kettle.

2. Unplug unit from outlet





---

---

### ELECTRONICS (MODEL EWS-EU800/230)

---



-  - "On" symbol
-  - "Delay" symbol
-  - "Carafe" symbol
-  - "Filter" symbol

#### Control Buttons

From left to right the control buttons are 'START/STOP', 'HOUR', 'MINUTE', and 'DELAY'.

#### Time Setting

When the time is blinking in the display window indicates that the supply voltage has been interrupted. The time will continue to run but will only appear continuously in the display window after resetting.

#### Setting the time display:

##### Hours:

To move the hours upwards by one hour: press the 'HOUR' button quickly once. To fast forward the time: press for at least one second. After completion the time display will blink for another 3 seconds before the time is finally set.

##### Minutes:

To move the minutes upwards by one minute: press the 'MINUTE' button quickly once. To fast forward the time: press for at least one second. After completion the time display will blink for another 3 seconds before the time is finally set.

#### 12-24 Hour Mode

Pressing the 'HOUR' and 'MINUTE' buttons simultaneously for 5 seconds enables change over from 12 hour mode to 24 hour mode (or from 24 hour mode to 12 hour mode). Further change-overs are only possible after 5 seconds (and only when the 'HOUR' and 'MINUTE' buttons are pressed as described above). In the 12 hour mode the display shows AM or PM.

#### Setting the Delay Function/Checking Delay Status:

The Delay Function allows the purifier to be programmed to start at a later time, if needed.

##### Setting:

Press the 'DELAY' button once. The Delay Start Time and 'DELAY' symbol appear in the display window. The 'Delay Start Time' can be changed as follows:

**Hours:** Press the 'HOUR' button once, after which the hour figure blinks for 3 seconds in the display window. During these 3 seconds the hours can be forwarded by one hour by pressing the hour button once. By continuous pressing of the button, the time can be fast-forwarded.

**Minutes:** Press the 'MINUTE' button once, after which the minutes figure blinks for 3 seconds in the display window. During these 3 seconds the minutes can be forwarded by one minute by pressing the minute button once. By continuous pressing of the button, the time can be fast-forwarded.

If the time is correctly set, after 3 seconds the time reappears with the 'DELAY' symbol in the display. The 'DELAY' symbol indicates that the delay time function is activated. To deactivate the delay time function, press the 'DELAY' button twice within a period of 3 seconds, or press the 'DELAY' button once while in the delay mode. After completion, the 'DELAY' symbol will not appear next to the time in the display window.

continued from page 3

**Check Delay Time Status:**

Press the 'DELAY' button once. The Delay Start Time appears in the display window with 'DELAY' in the display. After 3 seconds the current time reappears.

**Switching the Purifier On/Off:**

To turn the Purifier on or off, press the 'ON/OFF' button. When turning the Purifier on, the 'ON' symbol appears in the display window and the Red Indicator Light appears. After turning the Purifier off, the Red Indicator Light turns off.

**Carafe Indicator:**

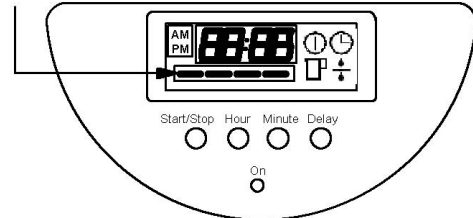
If the carafe is not in the correct position, the Red Indicator Light blinks and 'CARAFE' blinks in the display window for 90 seconds. Then the unit will shut off. If the carafe is removed from the base unit during operation, 'CARAFE' indicator will appear in the display for 90 seconds. At 90 seconds the unit will shut off. To restart, place the carafe in position and press 'START'.

**Kettle Indicator:**

If the kettle is removed during a cycle, the unit will shut off immediately. The red indicator light will blink continuously if kettle is not correctly positioned.

The Carbon Filter Indicator shows four status

**Filter Status Indicator / Filter Change Indicator:**



bars to indicate filter life. Four bars indicate a new filter and zero bars indicate the filter needs to be changed. In addition to the bars a 'FILTER' indicator (not the bars) will flash in the display when the filter needs to be changed. To reset the Filter Status Bars to new filter status, press and hold the delay button for 7 seconds.

**BEFORE USING WATER FROM YOUR WATER PURIFIER FOR THE FIRST TIME**

Although care is taken so your Purifier, kettle and carafe are clean, some harmless matter may remain from manufacturing, packaging, or shipping. This could leave an unwanted taste or odour in the purified water the first time you use it. To remove any taste or odour causing matter, do the following:

1. Set the Purifier on your counter or tabletop.
2. Remove kettle from its receptacle.
3. Remove kettle cover twisting counter clockwise, then lift.
4. Wash inside of kettle with soap and water then rinse and fill to the 'MAX' line. Ensure the electrical contacts remain dry at all times\*.
5. Replace the cover onto the kettle. Twist clockwise to lock. Plug the kettle into the base receptacle.
6. Wash carafe and lid with soap and water and then rinse.
7. The carbon filter is packed in a separate plastic bag. The filter is only used if you intend to drink the water and **must not** be used for water used in an autoclave, chairside water bottle, ultrasonic bath and for rinsing.

Remove the cover of the carbon filter housing located inside the carafe lid. Remove carbon filter from bag and place into housing. Replace cover on housing, and replace lid on carafe (see view on page 6)

8. **IMPORTANT:** Before using the carbon filter rinse the filter under purified water for 30 seconds, so that it is wet on all surfaces. If the filter ever dries out as result of not using the purifier, remove it and rinse it to re-wet it down.
9. Place the carafe on the base unit, and plug the power cord into a wall outlet.
10. For model **EWS-EU500/230** press the 'RESET' button to turn the Purifier on. Run one batch of water to the carafe. Unplug the kettle from the base unit.
11. For model **EWS-EU800/230**, press the 'START' button to turn the Purifier on. Run on batch of water to the carafe. Press 'STOP' button to stop purifier.

\*You may want to purchase a trip switch to help protect the unit. See notes on back page.

Continued, page 5

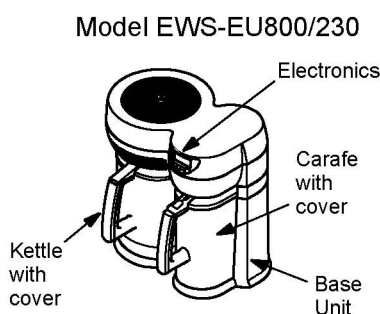
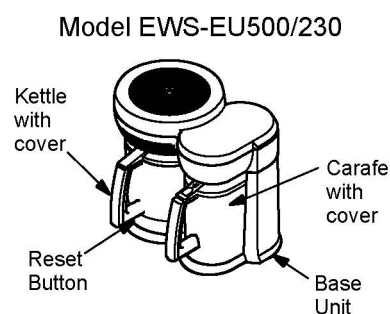


FIGURE 1



---

## BEFORE USING WATER FROM YOUR WATER PURIFIER FOR THE FIRST TIME

---

continued from page 4

12. Steam will continue to pass through for a few minutes. After unit cools, rinse out kettle.

13. Shake the carafe, then discard the first batch of water which may have some harmless carbon particles in it from the filter.

---

## MAKING PURIFIED WATER

---

1. Set the Purifier on your countertop or table.
2. Unplug the kettle from the base (Fig. 1) Twist the cover counter-clockwise to remove, and set aside.
3. Rinse and fill the kettle with tap water up to the MAX fill line. Do not put the kettle under a running tap as the electrical contacts must remain dry.

NOTE: You can purify less than the full amount. Use this chart as a guide. DO NOT fill the kettle over the MAX fill line because the carafe will overflow.

WHEN YOU FILL WITH TAP WATER TO MAX	THE CYCLE TAKES ABOUT
Model EWS-EU500/230 (3 litres)	Cold water tap 5 hours Hot water tap 4 hours
Model EWS-EU800/230 (3.8 litres)	Cold water tap 4 hours Hot water tap 3 hours

4. Replace the cover on the kettle. Twist cover clockwise to lock. Plug the kettle into the base unit. Carry carefully and keep level to prevent splashing.
5. Set the carafe into place on base unit.

6. Plug the power cord into any 230 volt outlet.
7. Press the reset or start button. The red indicator light will illuminate.

When the cycle is over the Purifier turns off automatically. AFTER THE FAN MOTOR GOES OFF, WAIT AT LEAST 30 MINUTES BEFORE REMOVING THE COVER.

**WARNING: NEVER REMOVE THE COVER WHILE THE FAN MOTOR IS RUNNING, OR FOR 30 MINUTES AFTER IT STOPS. YOU COULD GET SEVERE BURNS FROM THE BOILING WATER OR STEAM.**

8. To pour water from carafe, open spout by pulling on centre strip in direction of the arrow indicator near thumb position.
9. Store the carafe filled with product water in the refrigerator until you need it.
10. After the Purifier has cooled (wait for 30 minutes after the fan motor stops running) remove the kettle to clean.

---

## CARE AND CLEANING OF YOUR WATER PURIFIER

---

### KETTLE

After each use, rinse the inside with lukewarm tap water and remove any residue. Clean by wiping out the inside of the kettle with a damp cloth or plastic scouring sponge and rinse. If a deposit starts to form at the bottom, use Water Purifier cleaner (see page 7). Residue build up on the bottom of the kettle will prevent the system from purifying a complete batch of water. Remove the kettle from base unit. Fill kettle with hot water and follow the instructions on the cleaner bottle. Rub with a soft scouring pad and rinse thoroughly.

CAUTION: DO NOT IMMERSE THE PURIFIER OR KETTLE IN WATER.

### CARAFE

Clean with mild dish detergent and soft cloth. Rinse thoroughly with water.

### CLEANING EXTERIOR SURFACES

To keep your Purifier looking new, you should periodically clean the exterior plastic surfaces with a soft, damp cloth. DO NOT use any caustic cleaning solutions, scouring pads or powder because they will damage the plastic finish.

<p><b>NOTICE</b></p>
----------------------

<p>THERE ARE NO USER SERVICABLE PARTS INSIDE THE UNIT</p>
---

### CHANGING THE CARBON FILTER

IMPORTANT: The purifier uses a carbon filter in the carafe cover to remove traces of odours before the purified water is collected in the carafe. The filters last about 2-3 months. A return of unwanted odour means the filter should be replaced. Order replacement carbon filter from the outlet where you purchased your purifier (see page 7).

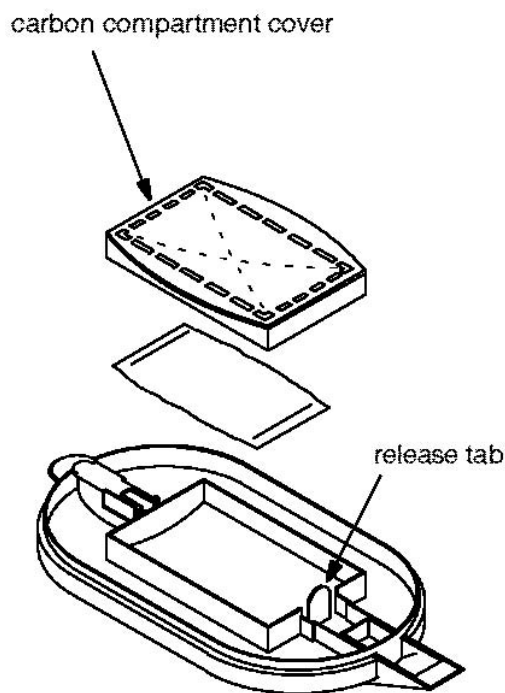
continued, page 6.

## CARE AND CLEANING OF YOUR WATER PURIFIER

continued from page 5.

**TO REPLACE CARBON FILTER** (unit may be operated with or without the carbon filter). The carbon filter is a final 'polishing' filter for the water purifier. Omit carbon filter if purified water is to be used in an autoclave.

1. Remove the lid from the carafe.
2. Remove the carbon compartment cover by pulling on tabs.
3. Remove the used carbon filter and discard. Do not reuse carbon filter.
4. Rinse the inside of the carbon compartment with water.
5. Remove carbon filter from plastic bag and rinse under purified water for 30 seconds, so that it is wet on all surfaces.
6. Put new carbon filter in carbon compartment. Be sure carbon is evenly distributed within pouch.
7. Replace carafe onto the base unit.
8. On model EWS-EU800/230, be sure to reset the 'Filter Status Bar' by pressing and holding the delay button for 7 seconds.
9. The next time you make purified water, discard the first batch of water which may have small, harmless carbon fines in it.



**NOTE:** The physiological effects of the operation of this appliance, beneficial or otherwise, have not been investigated by Underwriters Laboratories. See Product Data Sheet for test data obtained from an independent laboratory.

<b>TROUBLE SHOOTING CHECK LIST</b>			
<b>NOT MAKING ANY PURIFIED WATER</b>	<b>NOT MAKING ENOUGH PURIFIED WATER EACH BATCH</b>	<b>FLASHING INDICATOR</b>	<b>WATER LEAKS</b>
1. Purifier power cord not plugged into electrical outlet.	1. Did not fill tank with water to the max. fill line.	1. Carafe flashing in display indicates carafe is not in position.*	1. Water receptacle in carafe cover is not open
2. No power to electrical outlet	2. Carafe is not in correct position.	2. Flashing red indicator light indicates kettle is not in position.*	2. Carafe cover is not in place.
3. Kettle not plugged into base unit.	3. Kettle cover is not locked into position.	3. Filter flashing in display indicates filter needs changing.*	3. Carafe is not in place.
4. Did not press reset or start button to start cycle.	4. Kettle bottom has residue build up.	4. If kettle is in position then heating element may have failed.*	4. Kettle seal is split or damaged. Will require replacement.
5. Did not fill the kettle with tap water.			5. Unit is not on a level surface.
6. Carafe is not in place.			

\*Model EWS-EU800/230 only

---

## PRODUCT SPECIFICATIONS

---

<b>Model EWS-EU500/230</b>	
Rating:	220 VAC / 50 Hz / 470 W 230 VAC / 50 Hz / 500 W 240 VAC / 50 Hz / 570 W
Filling Volume:	3 liters (.8 gallon-US)
Production Capacity:	.6 liter/hour (.16 gallon-US/hour), 15 liters/day
Dimensions:	390mm width X 330mm height X 266mm depth
Weight:	5 kilograms (11 pounds)
<b>Model EWS-EU800/230</b>	
Rating:	220 VAC / 50 Hz / 740 W 230 VAC / 50 Hz / 800 W 240 VAC / 50 Hz / 890 W
Filling Volume:	3.8 liters (1 gallon-US)
Production Capacity:	1 liter/hour (.25 gallon-US/hour), 23 liters/day
Dimensions:	370mm width X 381mm height X 266mm depth
Weight:	6 kilograms (13 pounds)

These products conform to ANSI/NSF 62 for the specific performance claims as verified and substantiated by test data.

---

## REPLACEMENT PARTS

---

<b>DESCRIPTION</b>	<b>PART NUMBER</b>
3 litre Replacement Carafe (Opaque) for use with model EWS-EU500/230	7242823
4 litre Replacement Carafe (Clear) for use with model EWS-EU800/230	7242831
Carbon Filter Replacement	7242784
Water Purifier Cleaner	6550005
Kettle Gasket	7251521

For replacement items contact the outlet where you purchased your water purifier.

**IMPORTANT NOTICE**  
**PLEASE READ BEFORE USING YOUR PURIFIER**

ELECTRICAL CONTACTS **MUST** REMAIN DRY AT ALL TIMES.

IT IS STRONGLY RECOMMENDED THAT THE KETTLE IS NEVER PLACED DIRECTLY UNDER FLOWING WATER. FILL USING JUG OR SIMILAR CONTAINER. (DO NOT USE THE CARAFE AS THIS WILL CAUSE CONTAMINATION.)

THE KETTLE **MUST** REGULARLY BE CLEANED USING ECOWATER PURIFIER CLEANER (SEE PAGE 7) TO PREVENT LIMSCALE BUILD UP. FAILURE TO COMPLY WILL INVALIDATE THE WARRANTY.

WHEN USING THIS DEVICE IN A DENTAL SURGERY, VETERINARY SURGERY, DOCTORS SURGERY, CHIROPODY SURGERY, LABORATORY, TATTOO STUDIO ETC AND THE WATER IS TO BE USED IN AN AUTOCLAVE, CHAIRSIDE WATER BOTTLE, ULTRASONIC BATH AND FOR RINSING, THEN THE **CARBON FILTER MUST NOT BE USED** AND SHOULD BE DISCARDED BEFORE FIRST USING THE UNIT.

DUE TO THE NATURE OF THE PURIFIER AND ITS USE, IT IS POSSIBLE WATER CONTAMINATION OF THE KETTLE PLUG CAN OCCUR, THUS CAUSING ELECTRICAL PROBLEMS AND POSSIBLE DAMAGE. CARE SHOULD ALWAYS BE TAKEN WHEN USING ANY ELECTRICAL DEVICE IN THE VICINITY OF WATER.

AS A PRECAUTION WE RECOMMEND THE USE OF AN RCD (30MA) TRIP SWITCH BETWEEN THE POWER CORD AND WALL SOCKET. IF THE PURIFIER CUTS OUT THE KETTLE PLUG HAS BECOME WET INTERNALLY AND WILL NEED TIME TO DRY OUT.

**HARD WATER AREAS**

It may be noticed, after even a short period of time that scale is building up on the inside of the lid and around the rubber seal of the kettle. This means the kettle must be de-scaled using distiller cleaner (see page 7). Scale accumulating within the silicone tube of the kettle lid will cause it to become brittle and disintegrate over a period of time.

When the water you are distilling is very hard, the water may 'foam' when it is boiling. In order to ensure the water in the carafe does not become contaminated it is recommended to reduce the amount of water used in the kettle so the foaming does not reach the yellow spigot in the lid of the kettle.

Further advice is available on 01494 484 000.



[www.ecowater.co.uk](http://www.ecowater.co.uk)  
[info@ecowater.co.uk](mailto:info@ecowater.co.uk)