

# **OPERATING INSTRUCTIONS FOR THE VITALIZER *MARK X* WATER DISTILLER**

Designed, engineered and manufactured in Canada, this electric home water distiller will give years of dependable service as a result of simplicity in design (no noisy fans or motors and no other movable parts). Over 12 years of prototyping and customer field-testing have been put into this unit. The *Vitalizer Mark X* is CSA approved and the Food and Drug Administration specifications have been adhered to in all aspects of its design. All components that come into contact with the water are non-toxic, odorless and tasteless.

This energy wise unit will produce approximately 4.8 liters (1.05 imp. gallon) of distilled water per 12-hour cycle. When compared to the cost of buying bottled spring, mineral, or distilled water, this economical unit will pay for itself in a few months. The environmentally friendly *Vitalizer Mark X* uses 4 liters (1 gallon) of feed water to make 4 liters (1 gallon) of distilled water (no water-cooled coils), and it means an end to disposable bottles. It is portable, durable, and being automatic, it is safe to operate 24 hours a day, even while you are away from home. Air Cooling means the unit is noiseless and can be operated while you sleep.

## **PRE-CLEANING OF THE NEW UNIT**

We recommend you wash all components that come into contact with water in dishwashing detergent and rinse them thoroughly. Then run one complete 12 hour cycle through, and throw away the distilled water collected without allowing it to go through the charcoal filter.

## **OPERATING YOUR *VITALIZER MARK X* (please refer to the diagram below)**

After following the pre-cleaning instructions for the unit and the charcoal filter (see below) you are now ready to make your own distilled water. Lift the corrugated condenser (C/D) straight up by the heat resistant handle (A) and set it to one side. Remove the boiler pot (G) and place it to one side. Lift the collector plate (H) off the reservoir (I) and place the charcoal filter cup (J) in the filter support bracket located inside the reservoir. Replace the collector plate, making sure the notch in the collector plate is in line with the sight-glass (K). This will align the drip hole over the charcoal filter cup. Using *very hot water* from your tap, fill the boiler pot to within 25 mm (1 *inch*) of the top and place it in the center of the collector plate. Make sure that the bottom of the boiler pot is clean before you place it on top of the collector plate (N.B. If cold water is used it will take about 15 hours per cycle). Replace the condenser by lowering it straight down over the full boiler pot. Be sure the bottom rim of the condenser fits down into the channel of the collector plate to ensure a clean sealed fit. (N.B. Place the unit out of the reach of children and pets. and put it on a surface that will not be damaged from the heat of the reservoir). Plug the cord into a 3-prong grounded electrical wall outlet, push the reset thermostat button down (red in color and located just behind the indicator light (B)), and the indicator light will glow, showing that your *Vitalizer Mark X* water distiller is operating. After 1 liter (1 quart) of distilled water flows into the reservoir, it will begin to

flow through the tap (K) and the sight-glass will start showing how much water is stored in the reservoir. After about 12 hours of operation the boiler pot will be empty, at which point the indicator light and element (E) will shut off automatically until you refill the boiler pot and push the reset thermostat button down again. *(N.B. unplug the cord before lifting the condenser up and away from the unit). Always empty and rinse the boiler pot after each 12-hour cycle. This helps to avoid a build up of chlorine and other chemicals which can rust and pit the stainless steel boiler pot and collector plate.*

### **USING THE ACTIVATED CHARCOAL FILTER**

While holding the filter cup, completely immerse it in distilled water (in large container). Clean tap water can be used if distilled water is not available. Shake it vigorously back and forth to saturate the carbon and force out most of the trapped air bubbles. Then, rinse it out with distilled water. This will remove any charcoal dust that may be in or on the filter cup, as a result of normal vibration experienced during shipping. Every 6 to 8 weeks replace the activated charcoal filter.

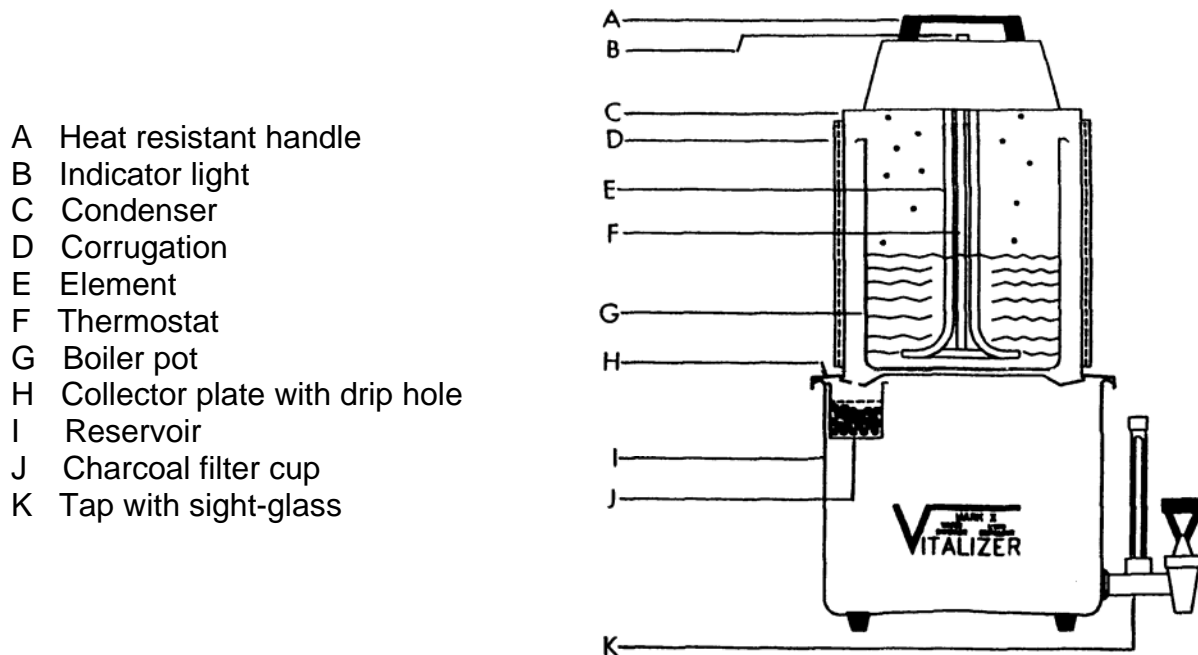
### **GENERAL CLEANING OF THE UNIT**

Clean the unit every 6 to 8 weeks, or more often if the scale buildup is very bad. Unplug the unit for cleaning. Use a household powdered cleanser to remove stubborn deposits should either appear on any stainless steel piece. The reservoir should be washed thoroughly inside with dishwashing soap. The boiler pot and element are the only items that will require a descaler. Fill the boiler pot with hot water to within 25 mm (1 inch) of the top and then add two heaping tablespoons of descaler and place it on a metal tray or any other surface that will not be damaged by hot water. Place the condenser over boiler pot with element immersed inside the pot.

**DO NOT PLUG IT IN!** Let the boiler pot and condenser stand for 30 minutes to 2 hours, depending on scale build-up. Pour this water out and rinse boiler pot and element with tap water thoroughly, then return to regular use. If the element is still not descaled of mineral deposits, repeat the procedure using only one heaping tablespoon of descaler in 1 liter of *hot water*. (If scale is allowed to build up on the heating part of the element it will cut down on the amount of distilled water provided in a given amount of time, and it will also increase the chance of burning out the element).

### **ONE YEAR GUARANTEE**

The *Vitalizer Mark X* water distiller is guaranteed against defect in material and workmanship for one year from the date of original purchase (as shown on your sales receipt). Any defective part will be repaired or replaced without charge when the distiller is delivered, transportation paid, to AQUAPURE or any other service location designated by the seller. After servicing it will be returned transportation collect. This guarantee does not apply to damages resulting from shipping, accident, alteration, misuse or abuse. Specific legal rights may vary in each province, territory, state or country throughout the world.



**PLEASE READ CAREFULLY**

Stainless Steel is rust resistant. it is not rust proof!

YOUR STAINLESS STEEL BOILER AND COLLECTOR PLATE ARE HEAT TREATED AND ELECTROCLEANED. Heat Treating relieves the stress in the stainless steel, and Electrocleaning brings the chrome to the surface thus improving the stainless steel's resistance to corrosion.

In the presence of heat, iron oxide in the water will couple with microscopic particles of iron on the surface of the stainless steel and rust will occur. (Highly chlorinated water will enhance this process).

Rust should be removed as soon as possible.

Attached to this paper is a square of Silicon Carbide #400 paper to be used to remove any small spots of rust if they occur. Simply soak the paper and the spot to be removed in water and rub lightly. The rust particles will be removed with no damage to the surface.