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17 JAN 1980

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC INSECTICIDES
EPA REG. NO. 36333-4

AQUALUX® BACTERIOSTATIC WATER PROCESSOR

Model CB

CAUTION

KEEP AGC-7 CARTRIDGE OUT OF REACH OF CHILDREN WHEN NOT IN USE.

DISPOSAL

When AGC-7™ cartridge is exhausted, wrap in newspaper and discard with trash.

REFER TO INSTRUCTIONS FURNISHED WITH UNIT FOR PROPER INSTALLATION AND USE.

ACTIVE INGREDIENT:


Silver (as silver chloride)	0.936%
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INERT INGREDIENTS: 99.064%

EPA Reg. No. 36333-4 EPA Est. No. 1018CT-1

net contents: one Aqualux Water Processor

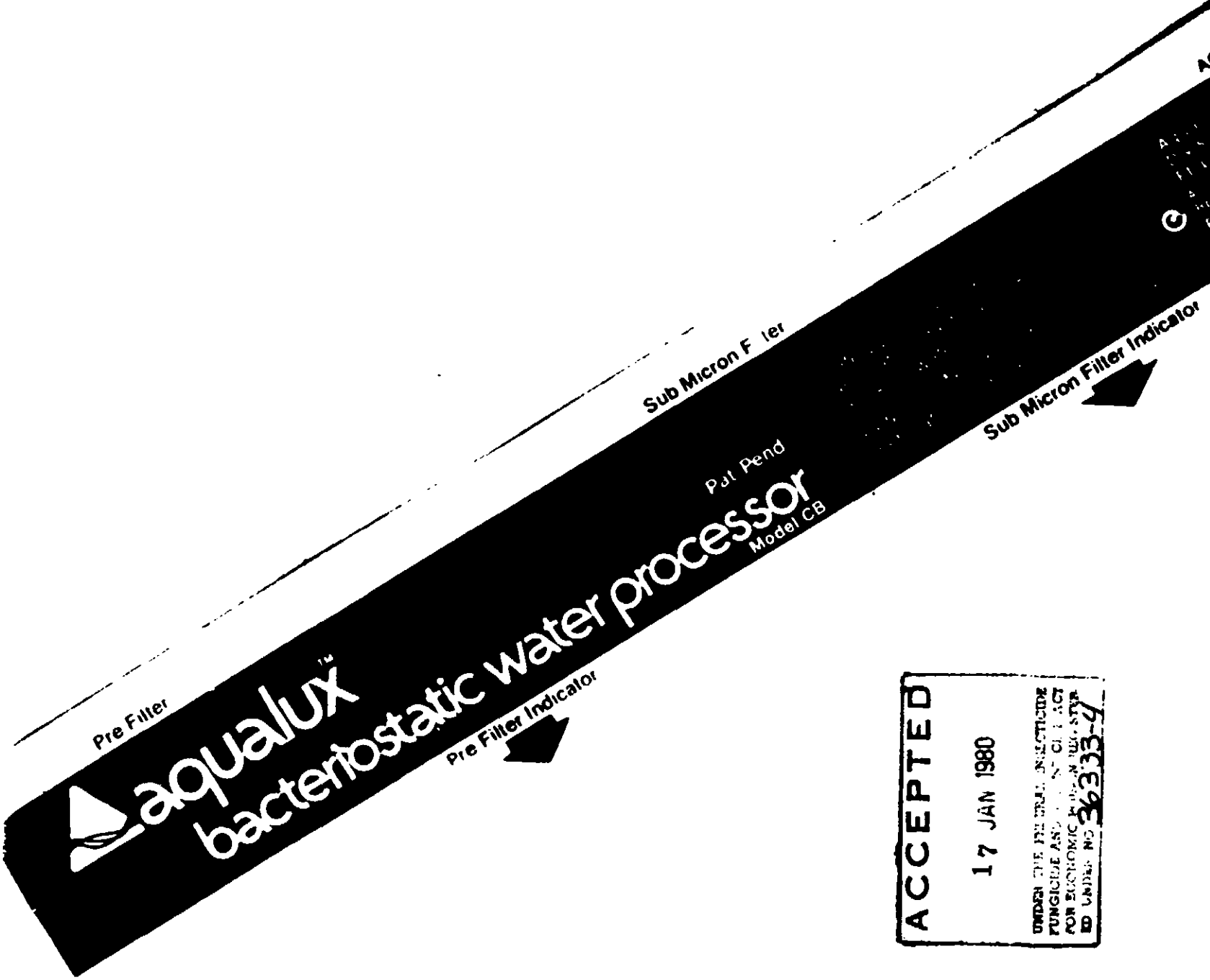
**AQUALUX WATER PROCESSING COMPANY
DIVISION OF ELECTROLUX
COLONY PLAZA BUILDING
6451 NO. FEDERAL HIGHWAY
FORT LAUDERDALE, FL 33308**

 **A CONSOLIDATED FOODS COMPANY
RESPONSIVE TO CONSUMER NEEDS.®**

Pat. Pend.

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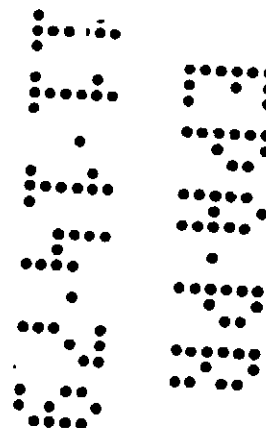
Model CB
INSTALLATION AND OPERATING
MANUAL

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Aqualux Water Processing Company
Division of Electrolux
6451 North Federal Highway
Ft. Lauderdale, Fl. 33304

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AQUALUX BACTERIOSTATIC WATER PROCESSOR

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MODEL CB

GENERAL CLASSIFICATION

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

I INTRODUCTION

The Aqualux Bacteriostatic Water Processor Model CB may be installed in any location where the depletion indicators will be visible, and where there will be easy access to the case for changing cartridges. A convenient wall bracket is supplied.

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Specifications:

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Flow Rate: Maximum - 0.9 gpm at 40 to 50 psig
Nominal - 0.75 gpm at 30 to 50 psig

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WASHINGTON, D.C. 20535
NO. 3-333-4

Operating pressure 30 to 50 psi. The pre-set regulator shipped with the unit must be installed at the unit inlet. The regulator setting must not be altered.

Unit dimensions: 17 1/2" W x 5 3/4" D x 13 1/4" H

Materials: Cartridge Holders: Acetal Copolymer
Case: ABS
Tubing: Polyethylene

The Aqualux Bacteriostatic Water Processor Model CB designed for use only on an approved potable water system.

The Model CB Water Processor is designed for beverage service use (post mix, coffee, tea, condensed juices, etc.) in restaurant's, bar's, hotel's, diner's, deli's, etc. The Model CB is to be installed only on an approved water system.

The Model CB will remove bad tastes, odors and undesirable color from your water supply. It will remove chlorine and sand or other fine particulates, as small as 1.0 micro-meters (approximately 0.00004") in diameter.

The Aqualux Water Processor Model CB is designed to supply good tasting water for drinking and beverage preparation.

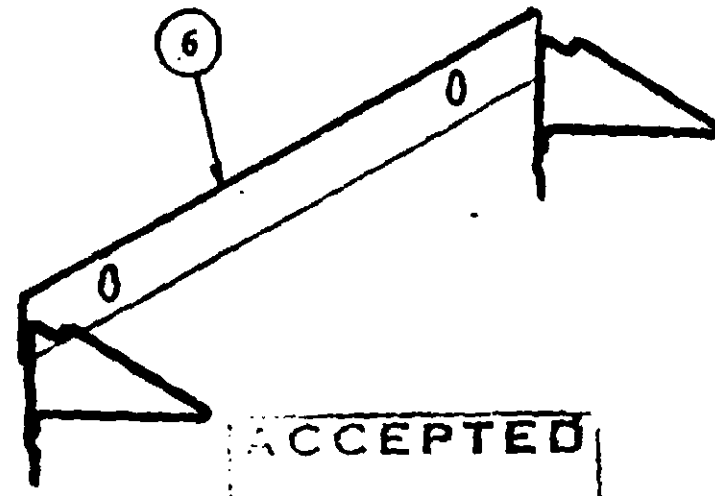
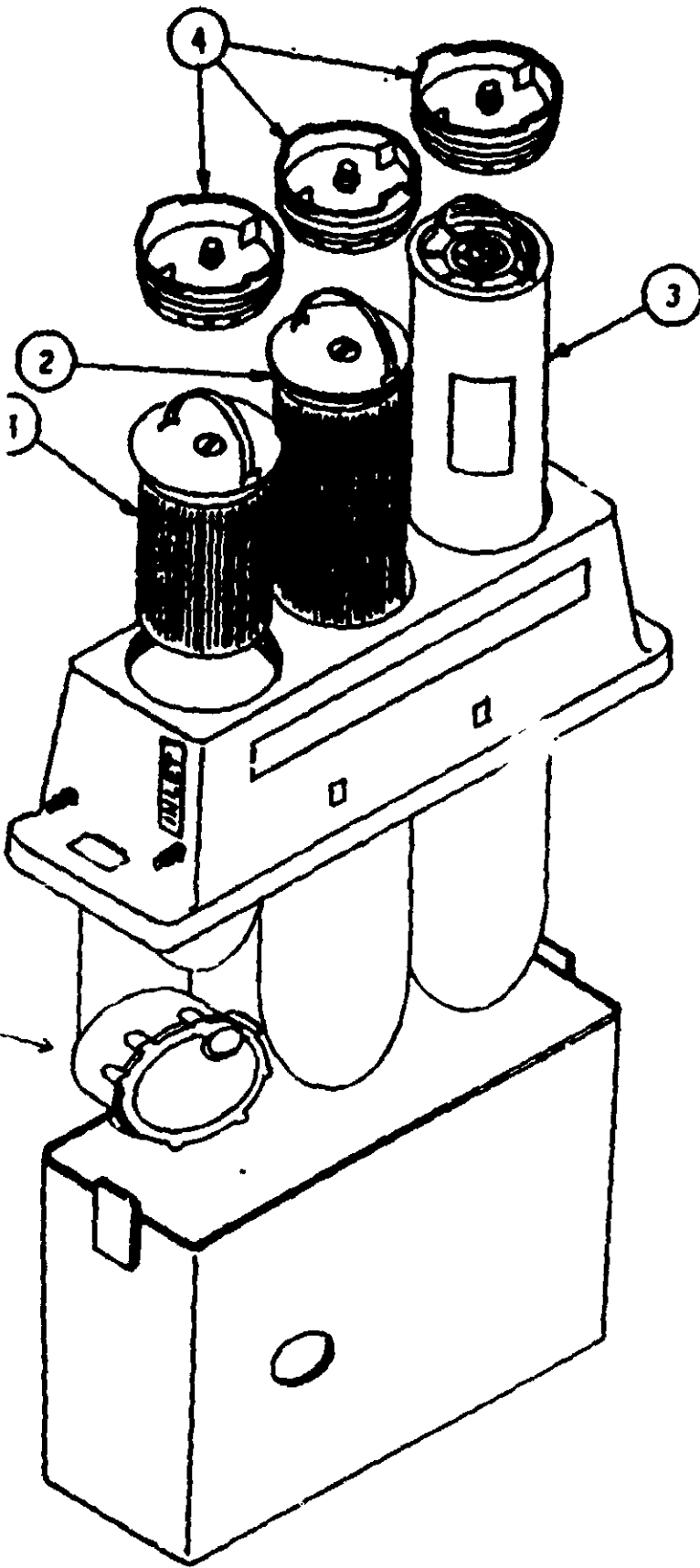
It is recommended that a qualified serviceman install the Model CB Water Processor. However, if all instructions in this booklet are followed carefully, anyone with reasonable mechanical ability can install the unit.

TO INSURE PROPER AND LONG-LASTING OPERATION OF THE UNIT, READ ALL INSTRUCTIONS AND PERFORM ALL STEPS IN THE ORDER GIVEN. READ ALL NOTES AND CAUTIONS PRIOR TO PERFORMING THE APPLICABLE STEPS.

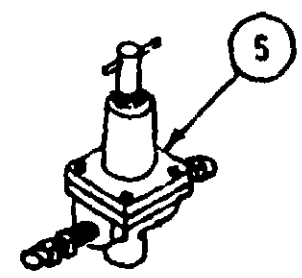
See Figure 1 for List of Parts.

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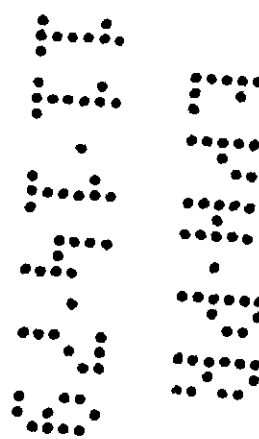
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1. Pre-Filter
2. Sub-Micron Filter
3. AGC-7 Cartridge
4. Caps (3) with bleeder valve
5. Pressure Regulator
6. Wall Bracket
7. Control unit

FIGURE 1

PARTS TO BE INSTALLED



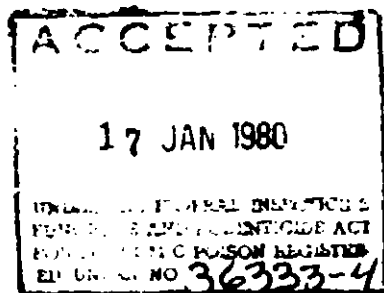
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II. FUNCTION

This model differs from other Water Processor models in that the flow of water through the unit is never shut off abruptly due to filter clogging or depletion of the AGC-7 Media. The purpose of this arrangement is to prevent possible damage to the equipment being supplied, such as an automatic coffee maker or other device that requires water on demand.

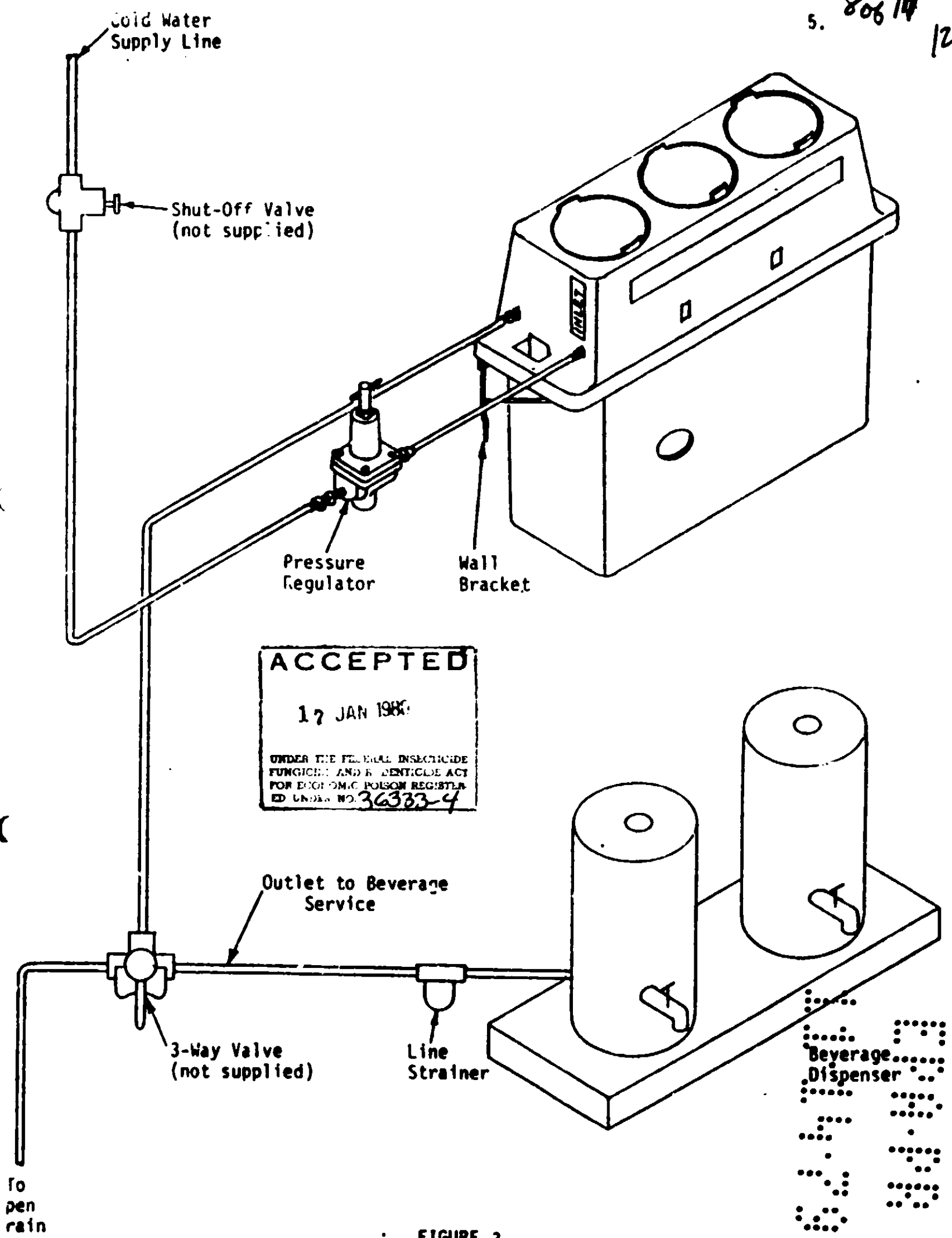
It is important, therefore, that the indicator for both the pre-filter and the sub-micron filter be observed regularly to prevent reduced flow due to clogged filters.

The control indicator must likewise be observed regularly to be aware of the remaining life cycle of the AGC-7 media cartridge. When this life cycle is depleted, the pointer will indicate the red zone. At that time, the AGC-7 cartridge must be replaced, and the control indicator must be reset.



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FIGURE 3

INSTALLATION (SCHEMATIC)

Beverage
 Dispenser

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VI. PREPARING THE WATER PROCESSOR

VERY IMPORTANT

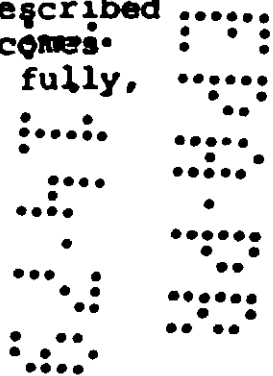
- A. Remove the three top caps from the Water Processor and open each bleeder valve, pliers may be needed.
- B. Take out the three filter cartridges, note their location, remove their protective wrappings. (See Figure 1) Set them aside carefully where they will not be damaged.
- C. TO INSURE AGAINST EXTERNAL CONTAMINATION, ADD 1/2 CAPFUL (APPROXIMATELY 1/2 OZ.) OF LIQUID CHLORINE BLEACH TO EACH CYLINDER CHAMBER.
NOTE: DO NOT USE A DRY POWDER BLEACH AS IT MAY NOT CONTAIN CHLORINE OR OTHER DISINFECTANT AGENT.
- D. Open the inlet valve slowly until water flows into pre-filter chamber. Fill to mark (about 1/2" below flange) on inside of chamber, then close inlet valve. Insert pre-filter and let it sink into the chamber without pushing. Take cap (be sure bleeder valve is open to vent entrapped air) and place over filter. Push cap and filter slowly into place. Screw cap into housing and tighten with wrench to snug up and seal cartridge. (Cap will be secured when its outer rim is about flush to the top of the housing). Again, open inlet valve slowly until no air comes from bleeder - close bleeder valve and allow water to fill sub-micron filter chamber to mark (about 3 1/4" below flange) inside of housing, then close inlet valve.
- E. Insert sub-micron filter into the center chamber and let it sink without pushing. Screw cap into place and tighten as described above. Again, open inlet valve slowly until no air comes from bleeder - close bleeder valve and allow water to fill AGC-7 cartridge chamber to mark (about 3 1/4" below flange) inside of housing, then close inlet valve.

NOTE

At this point, make certain that the drain valve is in the open-to-drain position.

- F. Insert AGC-7 cartridge and let it sink into the chamber without pushing. Screw cap into place and tighten as described above. Open inlet valve slowly again until no air comes from bleeder, close bleeder valve, open inlet valve fully, and allow unit to flow for 5 minutes to drain.

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VI. PREPARING THE WATER PROCESSOR (Continued)

G. Shut off drain valve for 5 minutes and check all connections for leaks. Check the fitting at the housing. Check for leaks around the caps and at the bleeders in the caps.

H. If any leaks are found at the fittings, shut off inlet valve and retighten the connection. If the caps are found to be leaking, use wrench and tighten caps. If bleeders are leaking, use adjustable pliers and snug knurled nut on bleeder valve.

(You may check for internal leaks by unsnapping latches on ends of the housing and separating top section from bottom tray and looking at all the connections from tubes and control unit.)

I. Open inlet and drain valves and allow water to flow for 15 minutes to flush and break-in the system. (There may be discoloration in the first water flowing from the unit as carbon fines are washed out.)

J. Check indicators for pre-filter and sub-micron filter on the front of the case to be sure they show green when the water is flowing.

K. Turn drain valve to off position and you are now ready for your beverage service operation.

VII TROUBLESHOOTING GUIDE

A. If water does not flow:

1. Check the pre-filter or sub-micron filter indicator to see if windows are covered by a red flag while water is running. If so:

a. Be sure the plastic shipping bag has been removed from the filter.

b. Close the inlet valve, open the appropriate bleeder valve and the outlet. If the window then shows green, close the bleeder valve and open the inlet valve slowly until it is fully open.

c. Change filter if above procedure does not solve problem.

2. Check AGC-7 control unit to see if pointer is in the red shut-off zone. If so, it will be necessary to replace the AGC-7 cartridge and the control unit. See Paragraph XI or call your Aqualux serviceman.

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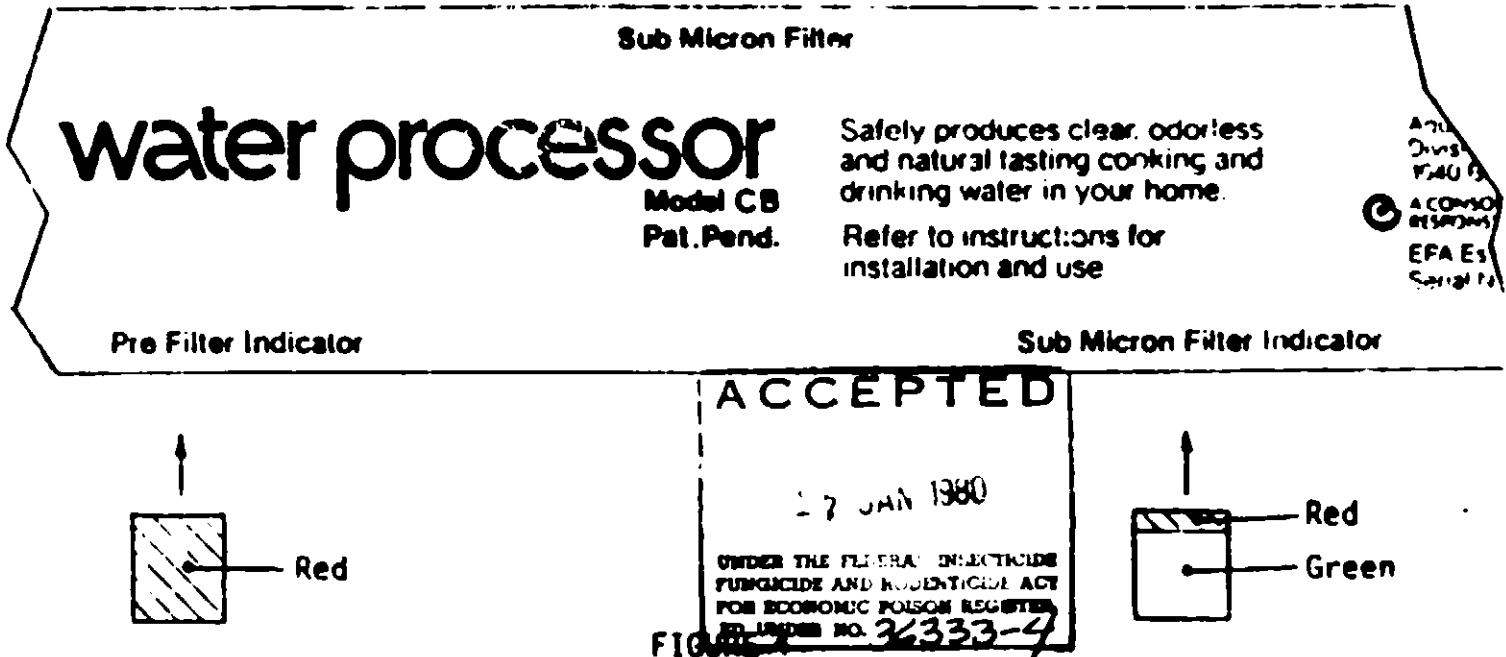
VII. TROUBLESHOOTING GUIDE (Continued)

B. If a connection is leaking:

1. Tighten fitting slightly. (Fittings must not be over-tightened.)

VIII. FILTER LIFE

The life of both the pre-filter and the sub-micron filter will vary from place to place - and from season to season during the year. The filters are specifically designed to remove particles in your water, and if your water is heavily loaded with particulates, the filter life will be shorter than it would be in areas where cleaner water is supplied.



Also, see sections IX, X and XI for replacement instructions.

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Each filter chamber is fitted with a unique device that has been designed to tell you when the filter has become clogged to the point that it needs replacement.

The amount of red that shows in the indicator window is an indication of how near a filter is to clogging. When one filter is clogged, and the other indicator shows that the other filter is almost clogged, you may want to change both filters.

The indicators must be checked DAILY. As long as at least 1/16" of green is showing, flow will not be seriously reduced. REPLACE THE APPROPRIATE FILTER AT ONCE IF THERE IS FULL RED SHOWING WHEN THE WATER IS RUNNING.

NOTE: Water must be flowing in order for the indicator to function.

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IX. AGC-7TM CARTRIDGE LIFE

Because the function of the AGC-7TM cartridge is so important, a precision meter is in the processor. At any time, the AGC-7TM cartridge meter dial on the front of the processor will give you a clear indication of the relative capacity remaining.

As the life of the AGC-7TM cartridge is a function of gallons treated, the time period between AGC-7TM cartridge changes will vary with use patterns. When its capacity is used up, (3000 gallons) the indicator arrow will be in the red zone, showing that the AGC-7TM cartridge must be replaced.

X. CHANGING THE PRE-FILTER

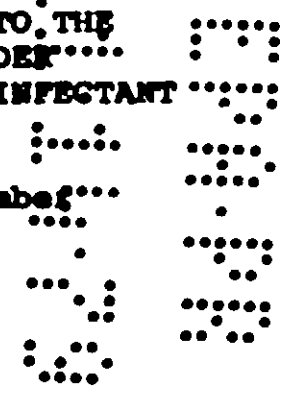
When water is flowing and the pre-filter indicator shows all red, it is time to replace the pre-filter cartridge. The following steps must be followed exactly in the order given to maintain the integrity of the Aqualux Water Processor Model CB and insure continued good service.

- A. Shut off the inlet valve.
- B. Open the drain valve to drain so that pressure is relieved.
- C. Use the cap wrench to loosen the cap of the pre-filter.
- D. Remove the cap.
- E. Remove the old filter by lifting the little handle and pulling the filter from its housing. Be sure the black rubber gasket is removed with the filter.
- F. Let the water drain into the housing, wrap the filter in newspaper and discard it in the trash.
- G. You may use paper towels or other absorbent materials to wipe out the housing, or you may tip the unit on its side and pour out the excess or discolored water from the housing into any kind of a basin. Once the housing has been cleaned out, open the inlet valve slowly and allow the water to fill the housing to the mark (approximately 1/2" below flange) on the inside of the housing. When the water reaches that mark, close the inlet valve again.

TO INSURE AGAIN EXTERNAL CONTAMINATION ADD 1/2 CUPFUL... (APPROXIMATELY 1/2 OZ.) OF LIQUID CHLORINE BLEACH TO THE WATER IN THE CHAMBER. NOTE: DO NOT USE A DRY POWDER BLEACH AS IT MAY NOT CONTAIN CHLORINE OR OTHER DISINFECTANT AGENT.

- H. Insert new pre-filter and let it sink into the chamber without pushing.

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13/17 17X. CHANGING THE PRE-FILTER (Continued)

- I. Take the cap and open the bleeder valve (you may have to use a pair of pliers) and place the cap over the filter and push slowly into place. Screw cap into the housing by hand until it is a snug fit, then tighten with wrench to snug up and seal cartridge.

(You can tell when it is in proper position because it will be flush with the top of the housing.)

- J. Open the inlet valve slightly and allow water to push the air through the bleeder valve until no air is coming from the bleeder valve, at which time you should close the bleeder valve. If necessary, use a pair of pliers to be sure that it is tightly closed.

- K. Be sure that the drain valve is open to drain.

- L. You may now turn the inlet valve fully open and observe the water flowing from the outlet for approximately 5 minutes until you are sure that it is not sputtering and that the flow is coming through in a steady stream. You may now close the drain valve and your unit is ready to function in its normal manner.

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XI. CHANGING THE SUB-MICRON FILTER

When water is flowing and sub-micron filter indicator shows all red, it is time to replace the sub-micron filter cartridge. The following steps must be followed exactly in the order given to maintain the integrity of the Aqualux Water Processor Model CB and insure continued good service.

- A. Shut off the inlet valve.
- B. Open the drain valve to drain so that pressure is relieved.
- C. Use the cap wrench to loosen the cap of the sub-micron filter.
- D. Remove the cap.
- E. Remove the old filter by lifting the little handle and pulling the filter from its housing. Be sure the black rubber gasket is removed with the filter.
- F. Let the water drain into the housing, wrap the filter in newspaper and discard it in the trash.
- G. DO NOT DRAIN THE WATER OUT OF THE HOUSING, OR ATTEMPT TO WIPE IT DRY. RATHER ADD ONE-HALF CUPFUL (APPROXIMATELY 1 1/2 OZ.) OF LIQUID CHLOROX OR EQUIVALENT HOUSEHOLD BLEACH. NOTE: DO NOT USE A DRY POWDER BLEACH, SINCE IT DOES NOT CONTAIN CHLORINE OR OTHER DISINFECTANT AGENT.

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XI. CHANGING THE SUB-MICRON FILTER (Continued)

G. If the water level in the housing is not up to the mark (approximately 3 1/4" below flange) open the valve slowly and allow additional water to flow into the housing up to the mark and then close the inlet valve. Insert the filter into the housing - let it sink into the housing without pushing. Let the unit stand unused for 10 minutes. NOTE: If any liquid spills, dilute and wipe up immediately to avoid bleach spots.

H. Take the cap and open the bleeder valve (you may have to use a pair of pliers) and place the cap over the filter and push slowly into place. Screw cap into the housing by hand until it is a snug fit, then tighten with wrench to seal cartridge.

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UNITED STATES OF AMERICA
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(You can tell when it is in proper position because it will be flush with the top of the housing.)

I. Open the inlet valve slightly and allow water to push the air through the bleeder valve until no air is coming from the bleeder valve, at which time you should close the bleeder valve. If necessary, use a pair of pliers to be sure that it is tightly closed.

J. Be sure that drain valve is open to drain.

K. Turn the inlet valve on full. Let the water run for at least 5 minutes. Close the drain valve and then use the unit in the normal manner.

XII. CHANGING THE AGC-7TM CARTRIDGE

When the AGC-7TM cartridge indicator dial pointer is in the red zone, the Water Processor will not be functional again until the AGC-7TM cartridge has been replaced and the control unit has been reset.

It is highly recommended that you permit your Aqualux serviceman to replace the AGC-7TM cartridge and reset the control unit. However, if you do wish to reset the control unit yourself, the following procedure may be used.

- A. Shut off the inlet valve and open the drain valve.
- B. Use the cap wrench to loosen the cap of the AGC-7TM cartridge. Leave the cap in position finger tight.
- C. Unclamp the latches at the ends of the unit and remove the lower housing from the upper housing. Place unit in a pan or sink to collect water that will drain from it.
- D. Using your finger only, rotate the black indicator needle (on the AGC-7TM indicator dial) counter-clockwise until it is at the starting point.

XII. CHANGING THE AGC-7TM CARTRIDGE

- E. Remove the cap (previously loosened) and remove the old filter by lifting the little handle and pulling the cartridge from its housing. Be sure the black rubber gasket is removed from the filter.
- F. Let the water drain from the cartridge into the sink and then wrap it in newspaper and discard it in the trash.
- G. Drain the excess water from the housing into the pan or into the sink. Use papertowels or other absorbent material to wipe out the housing.
- H. Replace the upper housing on the lower housing taking care that no tubing is pinched between the units and that the latches are properly in place.
- I. Open inlet valve slowly and allow water to fill the AGC-7TM cartridge chamber to mark (about 3 1/4" below flange) inside the chamber. Close inlet valve.

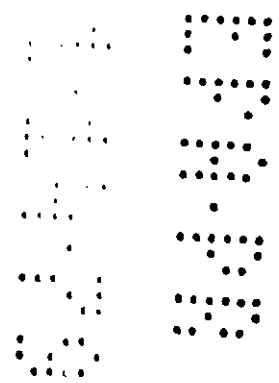
TO INSURE AGAINST EXTERNAL CONTAMINATION, ADD 1/2 CUPFUL (APPROXIMATELY 1/2 OZ.) OF LIQUID CHLORINE BLEACH TO THE WATER IN THE CHAMBER. NOTE: DO NOT USE A DRY POWDER BLEACH AS IT MAY NOT CONTAIN CHLORINE OR OTHER DISINFECTANT AGENT.

- J. Insert the new AGC-7TM cartridge into the chamber and let it sink slowly into the chamber without pushing. Make sure the black gasket is in place on the cartridge.
- K. Open bleeder valve in cap, place cap over cartridge and push slowly into place. Screw cap into housing by hand until it is a snug fit, then tighten with wrench to seal cartridge. (Cap should be flush with top of housing.)
- L. Open bleeder valve in pre-filter and sub-micron filter caps; also, open the inlet valve slowly and allow air to be expelled from each chamber (starting with pre-filter). Tighten each bleeder valve in turn.
- M. Open inlet valve fully and allow water to flow to drain for at least 5 minutes. You may now close the drain valve and your unit is again ready to function normally.

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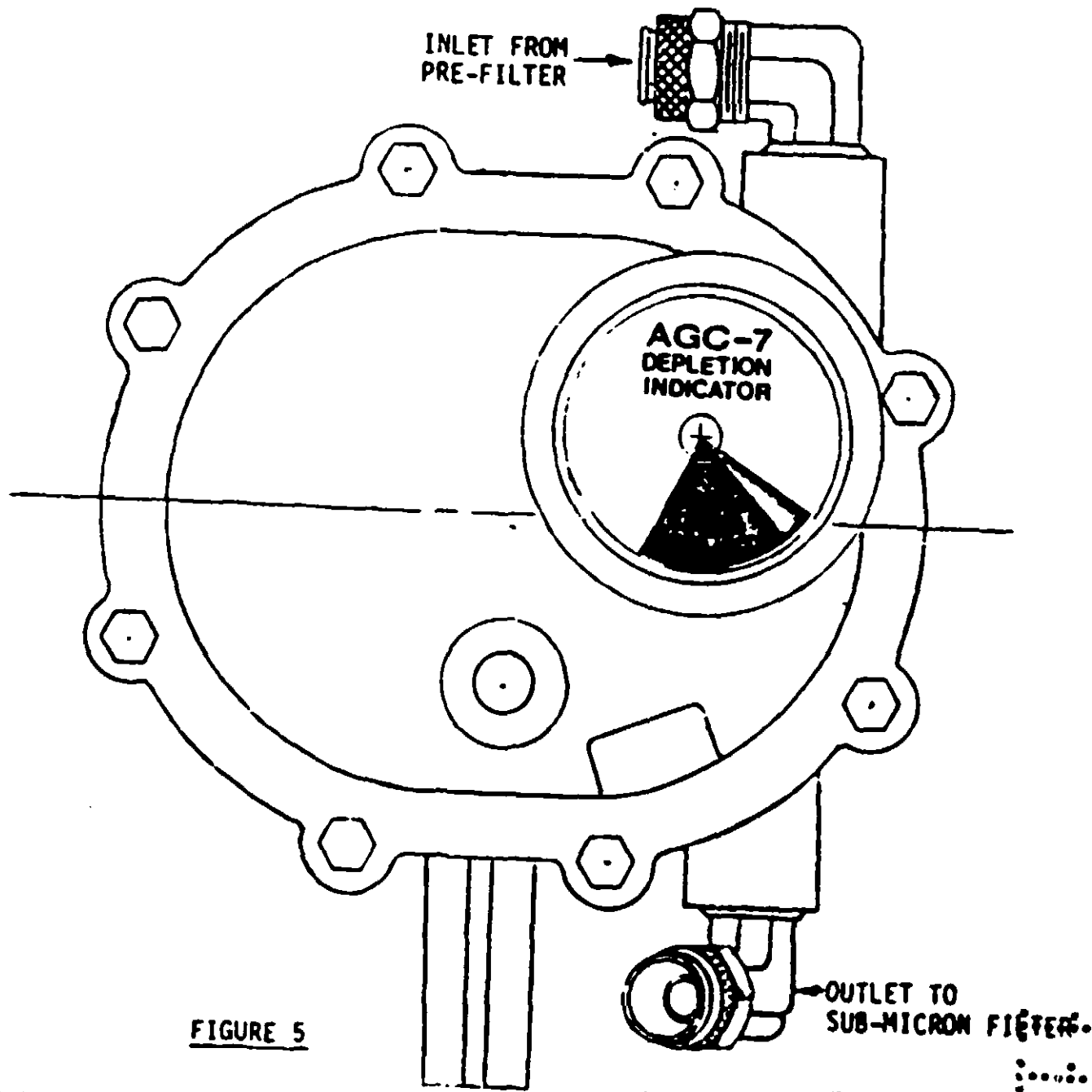


FIGURE 5

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SERVICE ITEMS

<u>Part Name</u>	<u>Part Number</u>
Pre-Filters (pkg. of 3)	9630-27
Suh-Micron Filter (Single Pak)	9630-35
AGC-7 Cartridge (Single Pak)	9630-36
Control Unit (Single Pak)	9630-37
Cylinder Cap Wrench	9632-55
Wall Mounting Bracket	9052-2
Pressure Regulator	9041-2

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