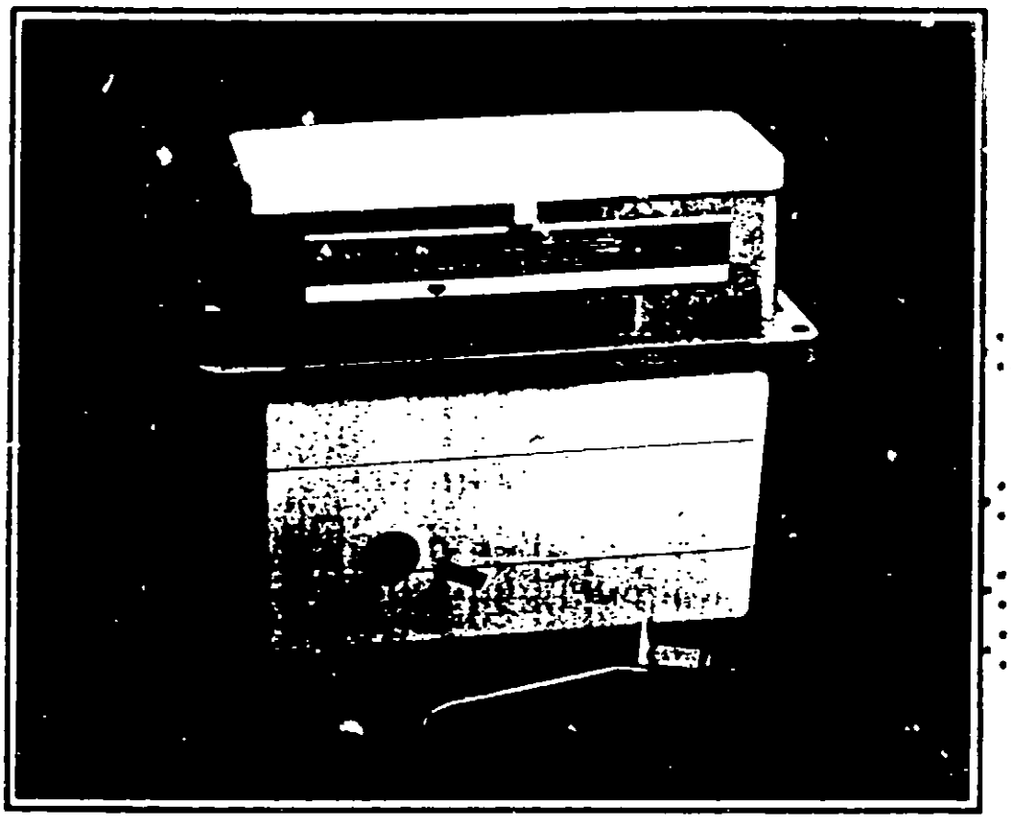
Aqualux® Bacteriostatic Water Processor,

Model CB-2

Installation and Operating Instructions



Olin Corporation
120 Long Ridge Road
Stamford, Connecticut

EPA Est # 1258-CT-3
EPA Reg. # 1258-1089

MODEL CB-2

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

I. INTRODUCTION AND SPECIFICATION

This unit will remove chlorine, bad tastes, odors, and undesirable color from your water supply. It will remove sand, dirt, rust, cysts or other fine particulates down to 1.0 micrometers in diameter.

The Aqualux® Bacteriostatic Water Processor, Model CB-2 is designed to supply better tasting water for drinking and beverage preparation.

The Aqualux® Bacteriostatic Water Processor, Model CB-2 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 hanging bracket is available.

The Aqualux® Bacteriostatic Water Processor, Model CB-2 is to be installed only on an approved water system. INSTALLATION MUST CONFORM TO ALL FEDERAL, STATE AND LOCAL PLUMBING REGULATIONS.

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.

Specifications:

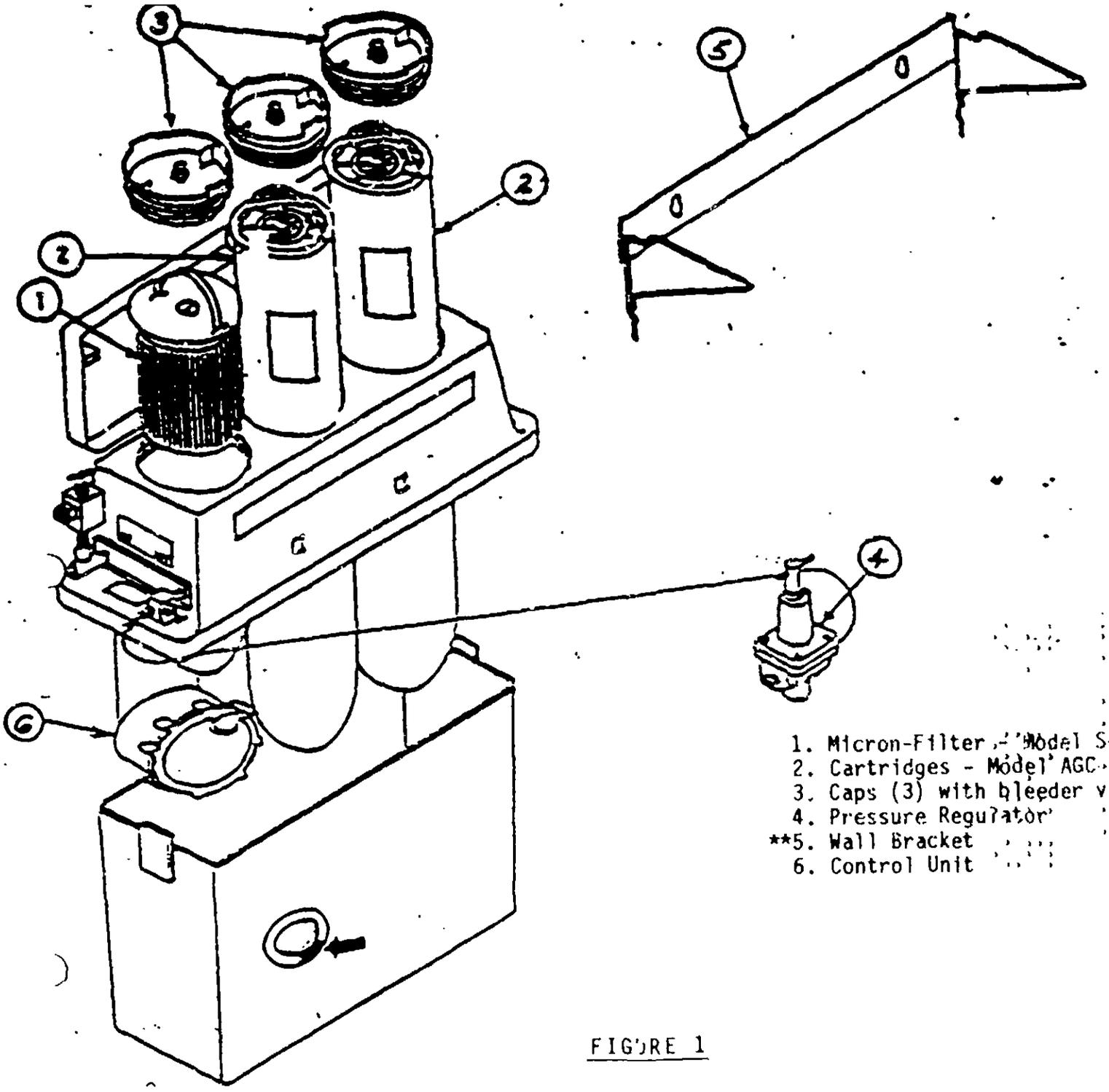
Flow Rate: Maximum - 1.2 gpm at 50 psig Static

Flow Operating pressure: Regulated 50 psi static. The pre-set regulator shipped with the unit must be installed at the unit inlet. The regulator setting must not be altered.

Unit dimension: 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 Process, Model CB-2 is designed for beverage use.



1. Micron-Filter - Model S-6
2. Cartridges - Model AGC-3
3. Caps (3) with bleeder valve
4. Pressure Regulator
**5. Wall Bracket
6. Control Unit

FIGURE 1

PARTS TO BE INSTALLED

**Available at additional cost.

II. FUNCTION

The following features are uniquely incorporated into the Aqualux® Bacteriostatic Water Processor, Model CB-2:

1. The flow of water through the unit is never shut off abruptly due to filter clogging or depletion of the cartridges.

2. Two cartridges staged in series are utilized to increase the unit efficiency under commercial use cycles.

3. A single high efficiency micron filter is utilized.

The purpose of this arrangement is to prevent possible damage to the equipment being supplied with treated water (i.e. an automatic coffee maker or other device that requires water on demand), and to provide increased unit efficiency.

IT IS IMPORTANT, THEREFORE, THAT THE INDICATOR FOR THE MICRON FILTER BE OBSERVED REGULARLY TO PREVENT REDUCED WATER FLOW DUE TO CLOGGED FILTER.

The depletion indicator must also be observed regularly to monitor the remaining life cycle of the cartridges. When this life cycle is depleted, the needle on the dial will stop in the red sector. The water will continue to flow at a reduced rate.

As soon as possible, the two carbon cartridges must be replaced and needle on dial should be re-set. Remove indicator face plate using fingernail or small screwdriver. Place grooved edge of re-set tool on center shaft of needle. Pull shaft out and turn counter-clockwise to start position.

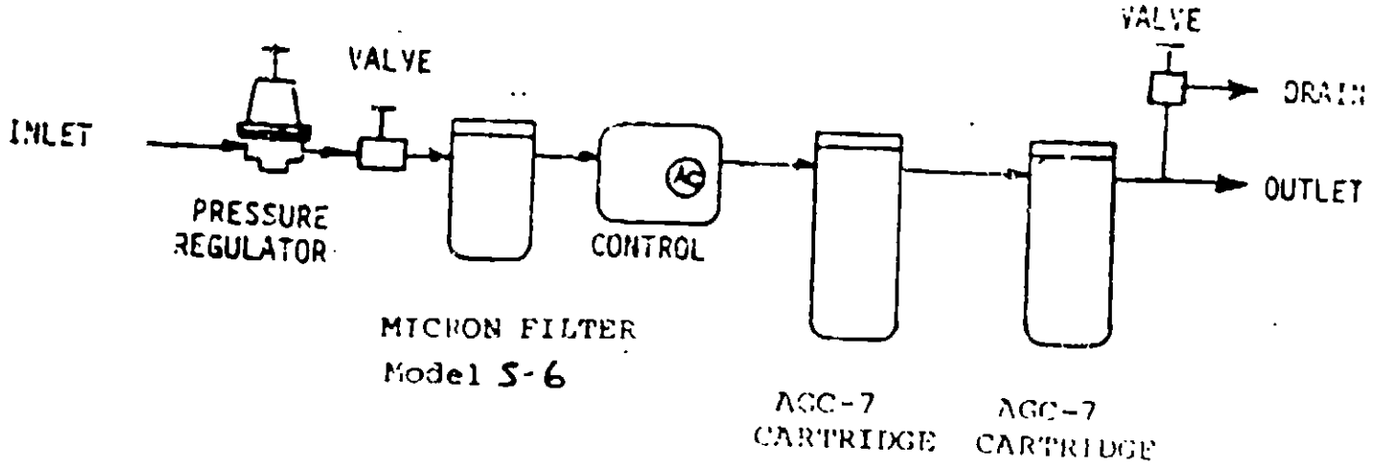


FIGURE 2

SCHEMATIC DIAGRAM OF FILTER SYSTEM

III. LOCATION OF UNIT

The following DO's and DON'Ts are most important for effective use and maintenance of the Aqualux® Bacteriostatic Water Processor, Model CB-2

DO locate the Unit ABOVE the floor - on a shelf, counter or hanging on a wall bracket.

DO locate the Unit where the depletion indicators are visible and readily checked.

DO locate the Unit where there is easy access for changing the cartridges and resetting the control unit.

DO locate the Unit BEFORE any strainer supplied with a beverage machine.

DON'T locate the Unit near any heat source such as hot water lines, dishwashers, or refrigeration condensers.

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NOTE: If copper, or any other metal tubing is used, the unit must be as far as possible from hot beverage machine to avoid a high temperature connection to the plastic unit.

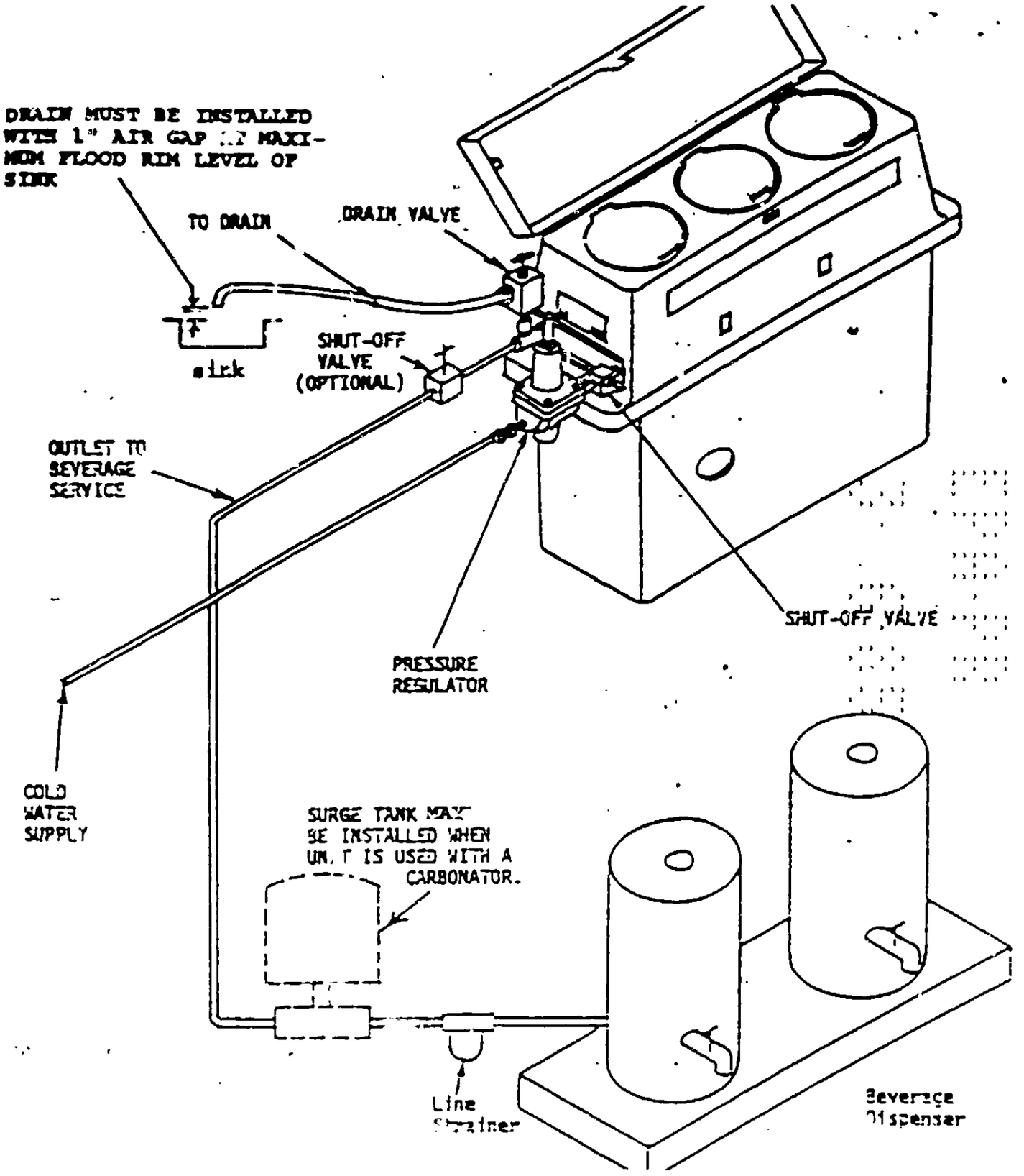

FIGURE 3

INSTALLATION (SCHEMATIC)

IV. ELECTRICAL REQUIREMENTS

If your water lines are used to ground your electrical equipment, you MUST BE SURE that a suitable jumper is installed around the unit to maintain continuity of the ground.

V. PLUMBING REQUIREMENTS (INSTALLATION MUST CONFORM TO ALL FEDERAL, STATE AND LOCAL PLUMBING REGULATIONS.)

Prior to installation, perform the following steps:

1. Verify that there is an anti-water hammer device in your plumbing system (it may be part of your dishwasher or washing machine). If you do not have one in your supply line, it is highly desirable to have one installed.

2. Use copper tubing or an acceptable high pressure beverage hose, with 1/4" min. I.D., for all connections. Your local plumbing code must be observed.

   NOTE: If the unit must be moved to gain access for changing cartridges, the connecting tubing must allow for the needed movement.

3. Determine the location of the water processor. Keep in mind that clearances must be maintained for periodic replacement of the cartridges and to reset depletion indicator.

4. Install inlet valve and regulator as shown in figure 3.

5. Install the unit in line before any strainer supplied with a beverage machine - ALSO BE SURE TO CLEAN THE STRAINER BEFORE THE INSTALLATION IS MADE.

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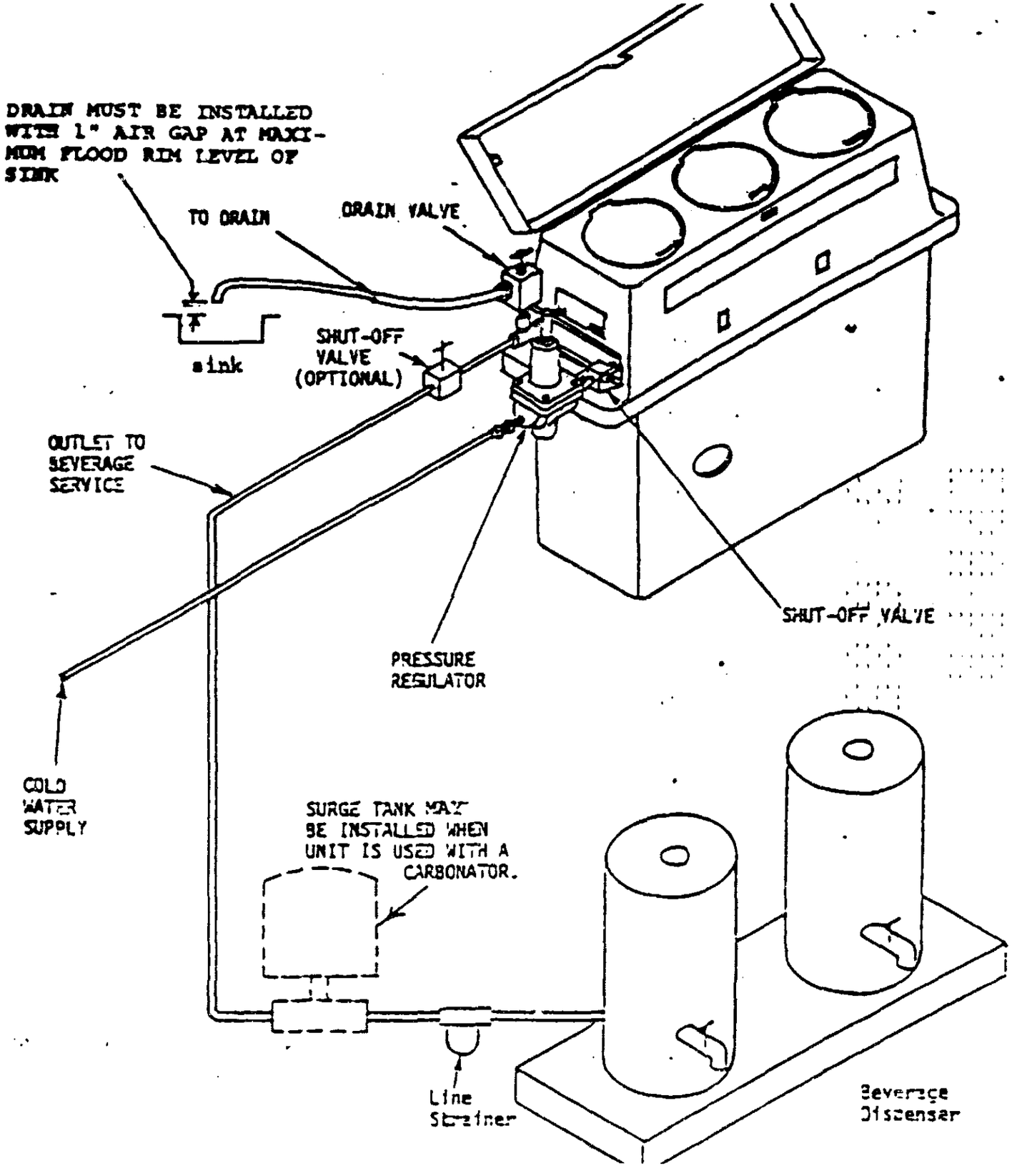

FIGURE 3

INSTALLATION (SCHEMATIC)

Note: (You may check for internal leaks by unsnapping latches on ends of the housing and by separating top section from bottom tray. Check all connections.

I. Open inlet and outlet 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 the micron filter indicator on the front of the case to be sure it shows green when the water is flowing.

K. Close outlet drain valve and you are now ready for your beverage service operation.

VII. TROUBLESHOOTING GUIDE

A. If water does not flow properly:

1. Check the micron filter indicator to see if window is covered by a red flag <u>while water is flowing</u>. If it is:

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

   b. Close the inlet valve, Depress the micron filter bleeder valve and open the drain valve. If the window then shows green, release the bleeder valve and open the inlet valve slowly to full position.

   c. Change micron filter if required.

2. Check the depletion indicator to see if pointer is in the red depletion zone. If so, it will be necessary to replace the cartridges. See Paragraph X.

E If a connection is leaking:

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

VIII. Micron Filter Life

The life of the micron filter will vary from place-to-place - and from season-to-season during the year. The filter is 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.

The micron filter chamber is fitted with a unique device that indicates when the filter has become clogged to the point that it needs replacement.

The amount of red that shows in the window is an indication of how near the micron filter is to clogging. When the window is almost completely red you should change the filter.

The indicators must be checked DAILY. As long as at least 1/16" of green is showing, the water flow will not be seriously reduced. REPLACE THE MICRON FILTER AT ONCE, IF THE INDICATOR IS COMPLETELY RED WHEN THE WATER IS RUNNING. NOTE: Water must be flowing in order for the indicator to function.

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c. Change micron filter if required.

X. CHANGING FILTER AND CARTRIDGES

A. Replacement Instructions for the S-6 filter, Aqualux® Bacteriostatic Water Processor, Model CB-2.

1. Close inlet valve.
2. Open outlet drain valve.
3. Remove cap - use wrench.
4. Remove filter and discard.
5. Drain chamber, wipe clean.
6. Open inlet valve slowly to fill chamber to mark - 1/2" below gray flange. Close valve.
7. Insert new filter slowly.
8. Replace cap and tighten with wrench.
9. Open inlet valve and run water.
10. Depress blue air bleeder in center of cap until only water comes from the bleeder.
11. Allow water to run for 5 minutes to assure that all air has been purged from the system.
12. Close outlet drain valve and check for leaks. Unit is now ready for use.

B. Replacement Instructions for AGC-7 Cartridges, Aqualux® Bacteriostatic Water Processor, Model CB-2.

1. Close inlet valve.
2. Open outlet drain valve.
3. Reset Depletion Indicator - use reset tool.
4. Remove caps - use wrench.
5. Remove cartridges, wrap in newspaper.
6. Replace end carbon cartridge cap - use wrench - leave chamber empty.
7. Open inlet valve slowly to fill middle chamber to mark - 3 1/4" below gray flange. Close valve. Insert new carbon cartridge.
8. Replace cap and tighten with wrench.
9. Open inlet valve and depress blue air bleeder in center of cap until only water comes from the bleeder. Allow water to run until carbon fines have been flushed from unit (water runs clear).
10. Close inlet valve.
11. Remove end carbon cartridge cap and repeat steps 7, 8, and 9 for end carbon cartridge.
12. Close drain valve and check for leaks. Unit is now ready for use.

2. Check the depletion indicator to see if pointer is in the red depletion zone. If so, it will be necessary to replace the cartridges. See Paragraph X.

If a connection is leaking:

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

VIII. Micron Filter Life

The life of the micron filter will vary from place-to-place - and from season-to-season during the year. The filter is 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.

The micron filter chamber is fitted with a unique device that indicates when the filter has become clogged to the point that it needs replacement.

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IX. CARTRIDGE LIFE

The useful life of the cartridges, 1000 gallons for AGC-7 Cartridge insures adequate capacity to remove undesirablee tastes, odors, and chlorine. It also insures the effectiveness of the AGC-7 cartridge bacteriostatic properties. Since the life of the cartridges depends on the amount of water flowing through them, a precision meter has been installed to indicate when the cartridges are exhausted.

You must check the depletion indicator often to see when cartridge replacement is necessary. (See Figure 5).

When the dial needle is in the red zone (indicating the capacity is used up) the unit must be serviced and both cartridges replaced. Be sure to re-set the meter.

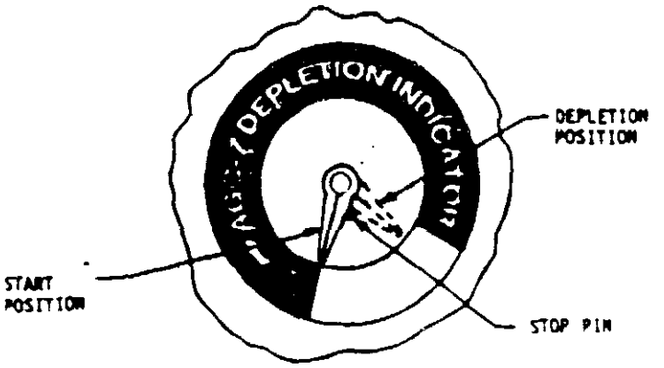

FIGURE 5

AGC-7 Cartridge Depletion Indicator

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7. Open inlet valve slowly to fill middle chamber to mark - 3 1/4" below gray flange. Close valve. Insert new carbon cartridge.
8. Replace cap and tighten with wrench.
9. Open inlet valve and depress blue air bleeder in center of cap until only water comes from the bleeder. Allow water to run until carbon fines have been flushed from unit (water runs clear).
10. Close inlet valve.
11. Remove end carbon cartridge cap and repeat steps 7, 8, and 9 for end carbon cartridge.
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