

44919-3 1067 PM 31

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (RHH 567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 44919-3	DATE OF ISSUANCE DEC 28 1984
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Horizon Model MK-2 Water Filter Filter	

NOTICE OF PESTICIDE:  REGISTRATION  
 REREГИSTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Calco, Ltd.  
 7011 Henry Avenue  
 Rosemont, IL 60018

**BEST AVAILABLE COPY**

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. This product is conditionally registered in accordance with FIFRA sec.

3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 44919-3."
- b. Revise the contents statement to read:

One bacteriostatic water filter with one S-3 bacteriostatic water filter cartridge, and "one C-1 activated carbon cartridge."

In lieu of that statement, you may say "One bacteriostatic water filter unit".

- c. Correct the spelling of "cartridges" in the disposal statement.

*James H. Rankin  
for John H. Lee*

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

- d. Add the following statement after "It is a violation...labeling":

Refer to the enclosed leaflet for installation and operating instructions.

- e. Indicate that this unit is only to be used in conjunction with municipally treated tap water in the home.
- f. The heading, "Disposal," must be set in the type of the same size as required for the child hazard warning (i.e., Keep Out of Reach of Children).
- g. Refer to the S-2 Enclosure for guidance in meeting the front panel precautionary labeling type size requirements.

The following comments apply to the Installation and Operating Instructions.

- h. Delete "Purifier" in the first statement on the first statement on the first page. This is not a purifier.
- i. Correct the spelling of "objectionable" in fourth paragraph, third sentence on the first page.
- j. The following statement should appear immediately below the heading, "Installation and Operating Instructions for Horizon Model MB-2 Metered Bacteriostatic Filter."

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

- k. The complete product name, as indicated above, should be used wherever reference is made to the name.

For your records, please note that the silver release data are filed under EPA Accession No. 255959.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

**BEST AVAILABLE COPY**

A stamped copy of the label is enclosed for your records.

*James H. Banks*  
*for*

John H. Lee  
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosure

RD:JOB:90610:LEE:12/21/84:DEL:12/24/84:RD-58:KENDRICK:898-1270:DAA

(MB-2 LABEL)

**HORIZON**

**MODEL MB-2  
METERED BACTERIOSTATIC FILTER**

Active Ingredient: Silver (as elemental)-----0.026%  
Inert Ingredient: Activated Carbon -----99.974%

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

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

CAPACITY: 3500 gallons at 1 GPM

MAXIMUM LIFE: 19 months based on 6 gallons per day usage. If taste and odors become objectionable before the rated capacity is used, change the cartridges.

DISPOSAL: Wrap spent cartridges in newspaper and discard with trash.

MAXIMUM FLOW RATE: 1 GPM

CONTENTS: One S-3 Bacteriostatic Water Filter Cartridge  
One C-1 Activated Carbon Cartridge

EPA Est. No. 44919-IL-2  
EPA Reg. No. Applied For

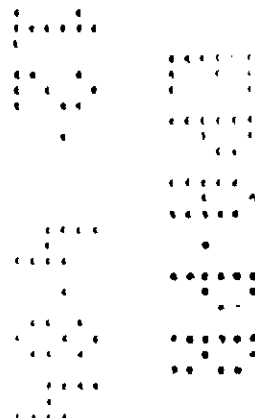
CALCO, LTD.  
7011 BARRY AVE.  
ROSEMONT, IL 60018

ACCEPTED  
with COMMENTS  
to EPA Letter Dated:

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INSTALLATION AND OPERATING INSTRUCTIONS  
FOR MODEL MB-2 BACTERIOSTATIC FILTER

DESCRIPTION

The system consists of the Main Purifier Assembly (MB-2), the Gooseneck Faucet (P284-23), Saddle Valve (123K-SP), 6 feet of 1/4" Poly Tubing (T-25), 6 Tube Inserts (461C) and 2 Plastic Ferrules (460C).

In the MB-2, are 2 cartridges. A Carbon (C-1) in the left hand housing and a bacteriostatic (S-3) Final Filter in the right hand housing. There is also a Flow Monitor which is used to measure a preset amount of water and then shut off the flow. When set to the reset point, the Flow Monitor will pass approximately 1500 gallons before it will shut off.

The Bacteriostatic Silver Carbon Media in the S-3 Cartridge, is to remove additional taste and odors, and also to inhibit the growth of bacteria within the unit.

The maximum allowable flow rate is 1.0 GPM. When using normal potable water supplies, the life of the cartridges should be up to 19 months based on an average usage of 6 gallons per day, or a total of 3500 gallons. The cartridges should be exchanged sooner if the taste or odors become objectionable. Also, if the flow rate becomes too slow, the cartridges should be changed.

INSTALLATION

I LOCATION

The logical location for the MB-2 is under the kitchen sink, this is where there is a convenient cold water supply and where the Gooseneck Faucet can be readily installed on the deck.

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II INSTALLATION OF MAIN ASSEMBLY

Locate the position where the Flow Monitor on the unit can be readily seen and reset. It should be attached to the cabinet wall, making sure there is at least 1 1/2" under the housings to allow for the changing of the cartridges.

III INSTALLATION OF SADDLE VALVE

Shut off the water supply to the cold water line to which the saddle valve is to be attached. If the the cold water line is copper tubing, the "self-piercing" needle of the saddle valve can be used. If it is iron or brass, a 5/32" diameter hole must be first be drilled.

For installing on copper tubing, turn the handle of the valve to full open position. Attach valve to tubing with the bolts and nuts as shown on the valve packet. Be sure to tighten both sides evenly so that the brackets are parallel. Turn the handle to the full clockwise position until it is firmly seated. The valve has pierced the tube and is now in the shutoff position.

For installing on iron or brass pipe, a 5/32" hole must be first drilled at the point of installation. Turn the handle so that the needle is exposed no more than 3/16". Place the valve over the hole with the needle inserted into the hole and fasten with the bolts and nuts as discribed above. Turn the handle to the full clockwise position until it is firmly seated. The valve is now in the shutoff position.

IV INSTALLATION OF GOOSENECK FAUCET

The faucet is normally installed in the hole that is used for the sprayer. If the sprayer is to remain, drill a 7/16" or 1/2" hole in the sink deck. If it is a porcelain sink, care must be taken in drilling the hole to prevent chipping. If masking tape is placed over the spot where the hole is to be drilled, a punch can be used to score the porcelain before drilling.

Remove the nut and lock washer from the threaded stem and insert the stem through the hole. Be sure the rubber seal is between the valve body and the sink deck. Slide the large metal washer and the lock washer on the stem and fasten securely with the lock nut. Be sure faucet is in the desired position before you tighten the lock nut.

V INSTALLATION OF TUBING

Cut the proper lengths of poly tubing to fit from the saddle valve to the inlet of the unit (by the Flow Monitor) and from the outlet to the Gooseneck Faucet. The tubing connections for the saddle valve and the faucet differ from those on the inlet and outlet. On the valve and faucet, the brass nut must be slipped over the end of the tubing first, then the plastic ferrule with the taper towards the end of the tubing with 1/4" of tubing protruding and then the brass insert is placed into the end of the tubing. This is then placed into the end of the fitting and the nut tightened securely.

For the inlet and outlet fittings, the nut must be left on the fittings. The brass insert is placed into the end of the tubing and then the tubing is inserted into the nut 7/8" or until it bottoms in the fitting. The nut should then be tightened securely.

The housings on each of the filters should be tightened by hand. The dial on the Flow Monitor should be rotated clockwise until the reset point is under the large arrow. The water pressure can now be turned on and all of the fittings and connections should be checked for leaks.

REPRODUCTION COPY

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MODEL MB-2 BACTERIOSTATIC FILTER

OPERATING INSTRUCTIONS

Before using for the first time, the black handle on the faucet should be flipped up to allow a steady stream of water to flow for approximately 10 minutes. This will allow the unit to be purged.

I HOW TO USE THE FAUCET

For a controlled flow of water, push the black handle down. For a continuous flow, flip the black handle up. When it is in the up position, it must be flipped down to turn the water off. When it is pushed down, the valve will shut off automatically when the handle is released.

II WHEN TO CHANGE THE PRE-FILTER (C-1) AND POST FILTER (S-3)

The first time the Flow Monitor shuts off after a cartridge change, it should be reset by turning the knob clockwise to the reset point. AFTER THE SECOND TIME THE FLOW MONITOR SHUTS THE UNIT OFF, THE PRE AND POST CARTRIDGES MUST BE CHANGED FIRST, THEN RESET THE FLOW MONITOR.

III CHANGING THE CARTRIDGES

When it is time to change the cartridges, turn the water off at the saddle valve. Flip up the handle of the faucet to bleed off the pressure. Grasp the housing of the filter that is to be changed and give a quick turn counter-clockwise to loosen the housing and unscrew. When removing the housing, the O-ring may lift out of the groove or it may stick to the cap. It must be taken out and cleaned before it is replaced after the housing is cleaned. Remove the expended cartridges and dispose by wrapping in paper and throwing in trash. Thoroughly rinse out the housing and fill 1/3 full with water. Install the new cartridges in the housings, lightly lubricate the top surfaces of the O-rings and screw onto the caps making sure the O-rings are in the grooves of the housings. The housing with the C-1 Cartridge is screwed onto the left cap and the housing with the S-3 Cartridge is screwed onto the right cap. After the cartridges are changed, the water can be turned on at the saddle valve and again check for leaks. The Flow Monitor should be reset by turning clockwise to the reset point. Again open the faucet for 10 minutes to flush the system.