

# MARINER<sup>®</sup>



RENATURALIZER  
WATER UNIT



SERIAL NO. **No** 4525

... CAUTION ...  
KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT:

Silver (as metallic silver)	0.75%
INERT INGREDIENTS	99.25%

FOR PROPER USE REFER TO  
FURNISHED INSTRUCTIONS.

When unit is exhausted call your nearest MARINER DISTRI-  
BUTOR for an exchange unit, or wrap in newspaper and dispose  
with trash.

EPA Reg. No. 35947 - 1  
EPA Establishment No. 35947 - FL - 1

**ARS** aqua purification systems inc.<sup>T.M.</sup>

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ONE (1) MARINER RENATURALIZER WATER UNIT  
Patent Pending

35141.1

#### INSTALLATION TOOLS REQUIRED

- A. Hacksaw
- B. Electric or Manual Drill
- C. 7/16" Drill
- D. 1 1/2" Open End Wrench
- E. 9/16" Open End Wrench
- F. 5/8" Open End Wrench



This is a handyman's typical Saturday afternoon project. But if you do not have the required installation tools may we suggest you contact your local plumber.

#### INSTALLATION

1. Check the cold water line under your sink. This is the line from the shut off valve to the sink faucet. If this is 3/8" copper tubing, proceed with the installation. If this is larger or smaller, galvanized or threaded brass, consult your Mariner Distributor or your local plumber on your next step.
2. First choose the location for the goose neck water faucet that will be mounted on the counter top. This should be on the side of the sink that your existing cold water faucet is on. Keep in mind that your new faucet should be close enough to the sink to take the faucet discharge.
3. After the spot has been chosen, drill a 7/16" hole through the countertop.
4. The goose neck faucet will have one rubber washer, one metal washer, one lock washer, and one brass hex nut on the threaded pipe. Remove all but the rubber washer and place the threaded pipe through the hole in the countertop.
5. From under the sink replace the metal washer, the lock washer and the hex nut on the protruding threaded pipe and tighten with a 9/16" open end wrench, so that the faucet is held tightly to the countertop. The goose neck should be able to swivel.
6. The Mariner Renaturalizer should be installed on the floor of the cabinet against the back, keeping in mind that the discharge line from the unit will go up to connect to the threaded pipe of the goose neck faucet that is protruding through the countertop.
7. Turn off the cold water supply under the sink or the entire household supply if desired.
8. Cut 17/8" length out of the cold water line under the sink with a hack saw. (This is the line mentioned in Step 1.)
9. Take the 3/8" nuts off of the 3/8 x 3/8 x 1/4 brass valve (supplied in package) and slip one on each end of the copper tubing. Be careful not to loosen the brass ferrules that are in each nut, as these are the key items for insuring a water tight seal. Slip the valve in the open gap, with a ferrule projecting inside the valve and the other end inside the copper tubing. Now bring up the nuts and screw onto the valve and tighten with a 5/8" open end wrench.

11. Now shape a piece of 1/4" copper tubing long enough to reach from the discharge of the Manner Renaturalizer to the threaded pipe of the goose neck faucet.
12. Now take the 1/4" brass tee and ferrule (supplied with package) and slip the nut with ferrule inserted over the top of the goose neck faucet and thread onto the threaded pipe of the goose neck faucet with a 1/2" copper nut. If the water supply is not automatic, or water meter is desired, install the 1/4" brass tee to the water supply in the Manner Renaturalizer to the faucet.
13. The installation is now complete. Turn on the water supply and check for leaks. If you are unable to locate a leak, check the unit for leaks.

The unit should now be ready for use. Turn on the water supply valve back into the goose neck faucet handle in the sink and observe the water flow. If the water is flowing from the goose neck faucet, the unit is working. If the water is flowing from the Manner Renaturalizer Unit, some time may be required.

The units are all pre-tested at the factory and the water quality is highly guaranteed upon installation. This will soon disappear.

Check under the sink for leaks. If there are leaks, shut the water off for about ten minutes before shutting off the goose neck faucet.

Now check again for leaks and if there are leaks, shut the faucet off and let flow for another ten minutes. By now, you should be getting delicious, sparkling, chlorine free water.

The Manner Renaturalizer Water Unit is a piece of equipment designed to improve the quality of your present tap water supply. It was designed for under the kitchen sink installation, connecting directly into your water line to give you delicious, sparkling, chlorine free water at the turn of a faucet.

Do not connect to hot water lines, salt water, or ammonia water supplies. If your tap water supply is from a rural well, have water tested by local Health Department before installation.

Follow the installation instructions carefully and your Manner Renaturalizer Water Unit will remove chlorine from your tap water supply, and at the same time catalytic silver ions inhibit the growth of bacteria trapped in the filter element.

NOTE: Renaturalizers are designed and found to be effective thru 4,000 gallons. Your Renaturalizer Unit would be expected to net you a life span of water. It is estimated that a family of four would use 46 gallons of water per day for drinking and cooking purposes. However, due to different climates and conditions the consumer should estimate their family needs and judge accordingly as to when the removal or purchase of a replacement unit may be required.

### MANNER RENATURALIZER (T.M.) WATER UNIT

#### INSTALLATION AND OPERATION INSTRUCTIONS

##### SPECIFICATIONS

Maximum Flow Rate	1.0 GPM (at 90 PSI)	Unit Material	Polyvinyl chloride
Maximum Operating Pressure	100 PSI	Fittings	Brass
Unit Dimensions	4" x 4" x 4"	Tubing	Copper

The Manner Renaturalizer is designed to remove chlorine from tap water. The concentration of chlorine should not exceed the maximum level of 5.0 mg/l. Chlorine levels above 5.0 mg/l are not recommended.

#### NOTE: FOR COLD WATER USE ONLY

##### LIST OF PARTS IN THIS PACKAGE

1 Manner Renaturalizer Water Unit	1 Brass Ferrule	1 1/4" x 1/4" Brass Tee
1 Goose Neck Faucet	1 3/4" x 3/8" x 1/4" Brass Nut	1 1/4" Brass Nut
		6 feet 1/4" Copper Tubing