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ELECTRIC HAZARD WARNING:

Always take pre-caution when working on the system. To avoid electrocution be sure to unplug the system **before** disconnecting any of its components.
BASIC SYSTEM FUNCTIONS

FILLING SYSTEM HYDRAULICS:

larınızı Water enters the radon system through the built in by-pass valve. It then passes through the water meter turbine, flow switch, differential fill valve, and water sprayer.

The differential fill valve has been adjusted to its optimum level, do not change its settings. Once water reaches the full line, the system will stop filling automatically.

There is a water meter installed on the inlet side of the unit, you can use this to tell the rate at which the tank is filling.

When the system is filling, the flow switch will detect the flow, and will start the blower. Once the tank is full the blower is programmed to run an additional 2 minutes.

*Please Note: Every time you unplug, and plug system in again the blower will run.

If the system is by-passed, be sure to also unplug it. Otherwise, the system may recirculate the water in the tank continuously.
WATER DELIVERY SYSTEM:

Water from the system is supplied from a \( \frac{1}{2} \) HP 110V bottom suction pump. The pump is controlled by an electronic pressure control valve.

Water pressure is maintained between 3.5 kg/cm\(^2\) (50 PSI) and 5 kg/cm\(^2\) (70 PSI).

If the water pressure drops below 3.5 kg/cm\(^2\) (50 PSI) the pump will activate and will run continuously to supply water, for as long as water is being demanded.

Once the pump is active it will continue to run until the water pressure reaches 5 kg/cm\(^2\) (70 PSI).

If the water pump is running constantly check for leaks, or running water.

HIGH WATER ALARM SYSTEM:

An alarm will sound if the primary fill valve has failed. The Solinoid will shut off the fill system when the water hits the level shutoff.

If the systems alarm sounds, notify your service provider for repair.
CLEANING PROCEDURES:

- Drain water from the system until the fill system activates. Then turn off the water supply, and unplug the power cord.

- Remove the lid from the unit by unlatching the lock-band. Removing it, and then lifting the lid. Pour 1 ounce of regular liquid unscented bleach, or 1 cup of 7% hydrogen peroxide into the unit then returning the lid.

- Put the system into by-pass, and plug in the power cord. The water will start to recirculate back into the tank. Wait for 5 minutes while the system recirculates to disinfected the system.

- Put the system in the service position. Drain water from tank through an outside faucet, or use the draw faucet provided on the unit itself. "Please Note: Keep water supply valve off".

- Unlatch, and remove the tanks lid. Scrub the plates, and the inside of the tank. To access the middle, and bottom sections of the unit uncover the cleaning holes by removing the smaller plates.
Once the cleaning is done reattach the smaller plates over the cleaning access holes, put the lid back on the unit, and re-latch it. Turn on the water supply, and fill and then drain the system one more time to rinse it.

*Please Note: After cleaning the unit there will still be Chlorine/H2O2 in the water. Let homeowner know. If there is an Arsenic Removal System after the unit. Make sure Chlorine/H2O2 is thoroughly rinsed out of the system.

OPERATING TIPS:

If a pre-sediment filter is installed before radon system make sure to replace the cartridge if it becomes clogged. Water restriction in the system, or high-water usage can cause the pump to shut down if the water in the tank is too low.

To prime the pump, first fill the tank with the pump unplugged. The unit has a draw faucet provided which you can open to allow air to bleed out as the tank fills. Once the system is full, plug in the pump. If the system is still air bound then put the unit into by-pass, plug in the pump, and open draw faucet to bleed out any excess air in the system. Repeat these steps as needed until the pump is primed. Return the system to the service position.