

## Bubble Up Aeration for Radon

**A Bubble-Up System is designed to remove radon gas from water.**

Radon is a radioactive gas which can cause serious health problems. The Bubble-Up® Interactive unit from R.E. Prescott Co., Inc. is designed to remove radon gas from water. Inside the unit, air is blown into the incoming water and allowed to bubble upward. This bubbling action releases the radon from the water. Air containing the radon is then collected and vented outside the home.

### Features

- The Bubble-Up is smaller than your standard clothes washer
- Saves valuable floor space
- Bubble-Up - 18" wide x 24" deep x 55" tall
- Top mount blower
- Quiet operation with extra insulated blower and submersible pump
- Overflow relief valve
- Run dry pump protection
- 1" stainless steel by-pass valve for water in/out
- Stainless steel valves
- 2" Air connection out
- Heavy duty poly tank within a tank
- NSF approved polyglass
- Nickel plated fittings (No lead or Brass)
- 99+% radon removal



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## Radon Information Sheet

### WHAT IS RADON?

Radon is a naturally occurring radioactive gas being created by the breakdown of uranium in soil and rock beneath the earth's surface. It is odorless and colorless and present at low levels even in the outside air we breathe. As radon gas moves toward the surface it can enter through the cracks and openings within the foundations of homes and other structures and become trapped. Radon may also be contained in well water, and released into the air by everyday usage such as showering, laundry, etc., particularly if the source is a private well. Think of a well as an easy underground pathway for the gas to follow.

### SHOULD I BE CONCERNED?

As a radioactive gas, radon has been identified as a human health hazard by the (EPA) United States Environmental Protection Agency. Inhalation of radon gas leads to an increased risk of lung cancer, and in fact the Surgeon General has warned that radon is the second leading cause of cancer in the United States today. Only smoking causes more lung cancer deaths.

### HOW DO I KNOW IF I HAVE IT?

As indicated, radon occurs naturally in the air both inside and outside your home. It is the concentration level present in your home that will determine if action should be taken to reduce the level to the EPA guidelines. Testing is the only way to accurately measure the radon level in the water and air. Radon testing is relatively inexpensive and can be done quickly.

### WHAT CAN I DO?

Radon is a fixable problem. Even very high levels in the water and air can be reduced to acceptable levels through a variety of methods.

#### AIR RADON

In most cases, systems using vent pipes and fans have proven to be the most effective in reducing air radon levels. These systems are called "sub slab" depressurization or active soil depressurization (ASD) units. Our systems pull radon gas from beneath the concrete basement floor before it enters the home and exhaust it to the outside away from living areas. CT DEP recommends treating radon in air if the level is above 4 pCi/l.

#### WATER RADON

Aeration systems are the most effective at removing water radon before it enters the home through the supply lines to various plumbing fixtures. This is called point of entry treatment. Our system involves mixing the water with air to cause release of the radon gas, which is then vented to the outside. Another acceptable way to remove the water radon is through a Granular Activated Carbon (GAC) unit. This system can be used if radon levels are below 10,000 pCi/l. A post-mitigation test will be conducted to insure the effectiveness of the system. CT DEP recommends treating radon in water if the level is above 5,000 pCi/l.