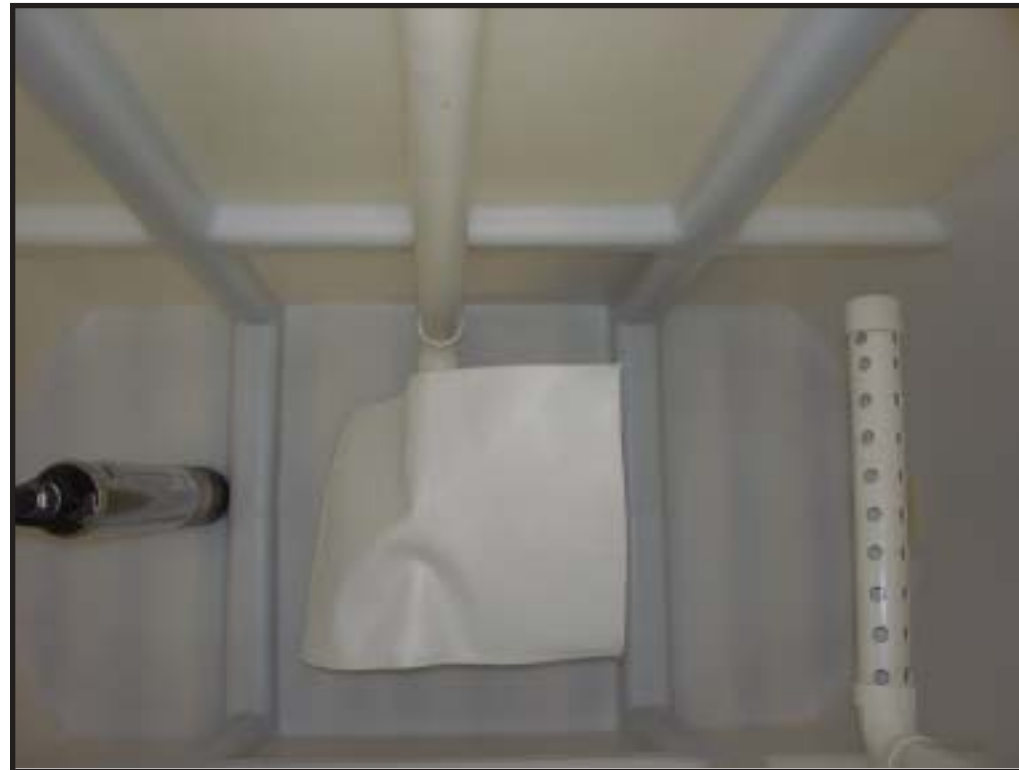


An Insider's View of the M375

Components inside of the holding tank



1 micron particle filter powered by the kinetic energy from the ozone bubbles.



Submersible pump to re-pressurize product water to 64 psi up to 20 GPM.



Bubble up blower pipe moves 64 to 80 cubic feet of air per minute only on fill cycle.

Felder Industries Presents Model M375 Radon / MTBE Water System

Not just a bubble Up !



M375 Specs
 Unit Weight: 225
 Shipping Weight: 265
 Foot Print: 30" by 60"
 Tank Size: 30" by 60" by 60"
 Tank Volume: 375 gallons
 System Size: 39" by 65" by 69"
 Production Rate: 20 GPM

Operational maintenance and replacement requirements are essential for the product to perform to specification.

Form 080904

See your local authorized independent dealer.

Made in the U.S.A.

State of the Art Technology that aerates, sanitizes, and neutralizes the water in your home by vacuuming away impurities .

We combine ozone filtration and vacuum to produce incredibly clean water

Particle Filter: What is it?

The particle filter, which is custom-designed for Felder Industries, is one of the most important components of the M375. The 1 micron particle filter, which rests on the bottom of the holding tank, is connected to the ozone injection filter pipe, and is therefore continuously filled with ozonated air and water. The kinetic energy of the bubbles rising from the ozone generator to the particle filter causes the water in the tank to be pushed through the filter, which captures the oxidized impurities in your water. Because of the lifting action of the Ozone bubbler, which moves 10 gallons of water per minute, other contaminants that the filter cannot remove are brought to the top of the water chamber. An external fan then draws air from outside to create a vacuum inside the water chamber so that over 120 cubic feet of air per minute is pulled across the top of the tank, removing unwanted gases and contaminants.

A magnet, working in conjunction with the Ozone and air movement, draws necessary minerals into your water and stabilizes the pH of the water. This process makes the water non-aggressive, and prevents the corrosion of the plumbing system and the staining that is commonly associated with acidic water. This is a very simple and economical way to produce very clean water. With a foot print of 30" by 60", the M375 unit is very compact and fits through a standard 30" door way. With the M375, we have made Whole House Ozone Systems both easy and affordable.

Ozone: What is it?

The ozone generator, in combination with an air pump, continuously aerates the water in your tank with tiny ozone (O3) saturated bubbles, which oxidize and destroy many of the impurities in your water. Ozone (O3) is one of nature's basic elements, composed of oxygen (O2) with an extra oxygen atom attached. When oxygen (O2) in the air is exposed to corona electrical discharge in the ozone generator, the molecules of oxygen(O2) are split into 2 atoms, and reattach to unsplit oxygen molecules, creating ozone (O3). Ozone gets rid of many impurities in the water by attaching its extra oxygen molecule to many pollutants in the water and oxidizing them.

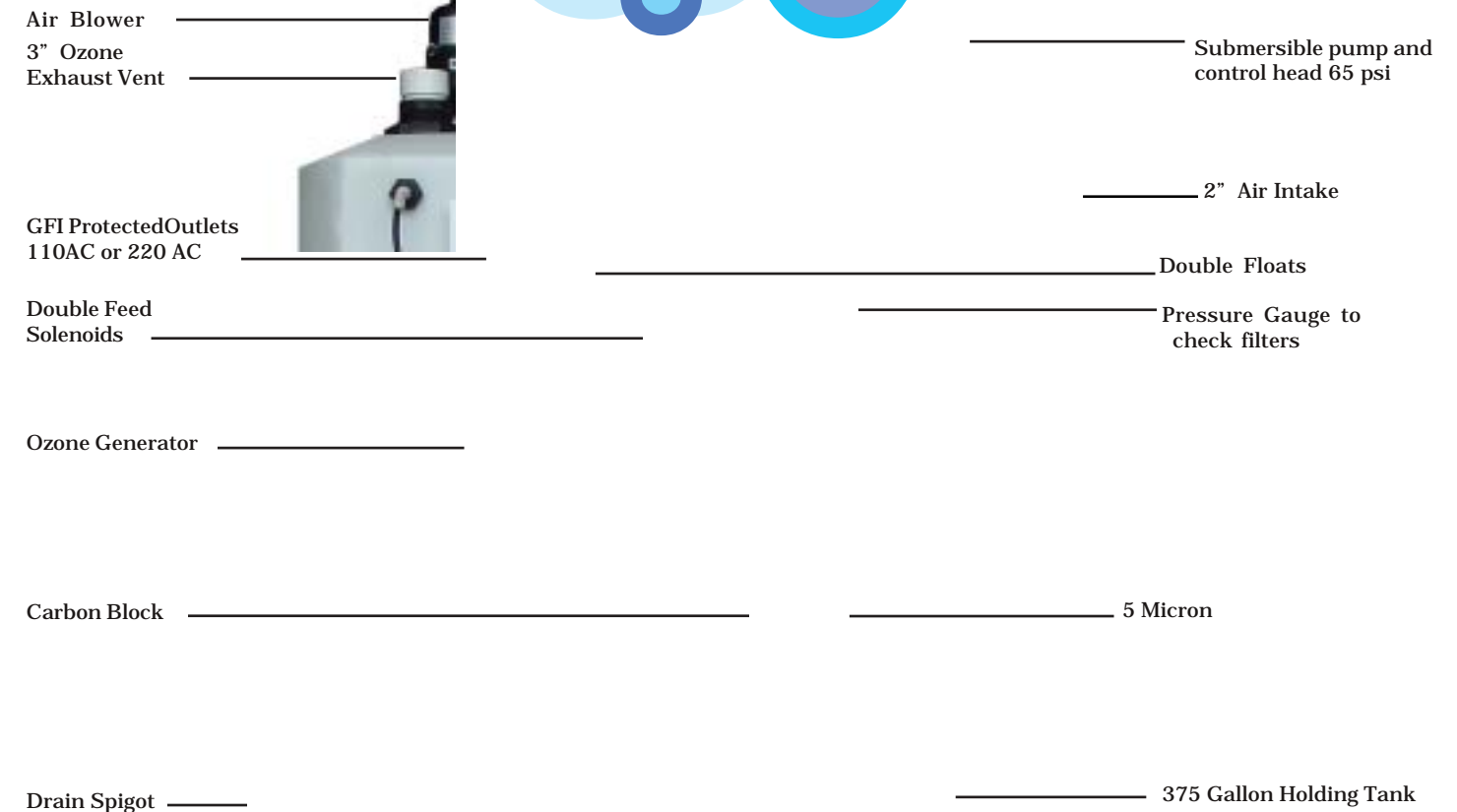
After the impurities have been cleared away by the extra oxygen molecule on (O3), all that remains is oxygen (O2). The high oxygen content of the water helps to remove toxic gases such as Volatile Organic Compounds (VOC's), Radon, MBTE's, and other harmful gases.

The ozone (O3) saturated bubbles also provide the pumping action that constantly circulates and filters the holding tank water at a rate of 10 gallons per minute, processing over 14,000 gallons a day.

A Winning Combination

The M375 is a complete system to filter, sanitize and aerate water for residential or commercial use. The storage tank holds 375 gallons in reserve and can produce up to 4,000 gallons of product water per day. The average family of four only uses 300 gallons per day. A built-in submersible pump re-pressurizes the product water to 64psi for great pressure, and flow rates up to 20 gallons per minute. The result is refreshing, delicious, high quality pure water throughout your home for all your water needs, including drinking, showering, laundering, dish washing, cooking, etc. The system typically costs only \$10 to \$15 dollars per month to operate.

Model M375



Standard Features:

3" ozone exhaust vent	Ozone generator	Double feed solenoids
375 gallon holding tank	Powder coated steel frame	Liquid-filled system pressure gauge
Drain Spigot	High-pressure John Gest fittings	2 feedwater inlet solenoid valves
GFI protected outlets 110AC/220AC	20" 5 micron sediment filters	Carbon block
High-pressure nylon tubing	Inlet and outlet pre-filter gauges	2" air intake
	20" carbon block pre-filter	Submersible pump and control head 65 psi

Feed Water Parameters:

Temperature 105 °F maximum	.2 GPM feed water minimum	Unlimited Hydrogen Sulfide
Iron tolerance 1 ppm max	Pressure 10-80 psi maximum	

Operating Uses:

Sanitized water storage	Irrigation systems	pH range 3-11
Low production wells		

Contaminant Reduction List

Inorganic

Iron 1ppm max	Manganese: 2ppm max	Sulfate
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Organic

Color	Turbidity	Odor
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Microbiological

Total Coliform	Giardia/Lambia	Legionella
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Gases

Radon	Methane	VOC	MTBE
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Bacteria

All forms are killed by the Ozone

Average Rejection 99%
Minimum Rejection 98%



Example of vent pipe installation.



The exhaust fan creates vacuum to draw radon and other toxic gases from the water storage chamber.