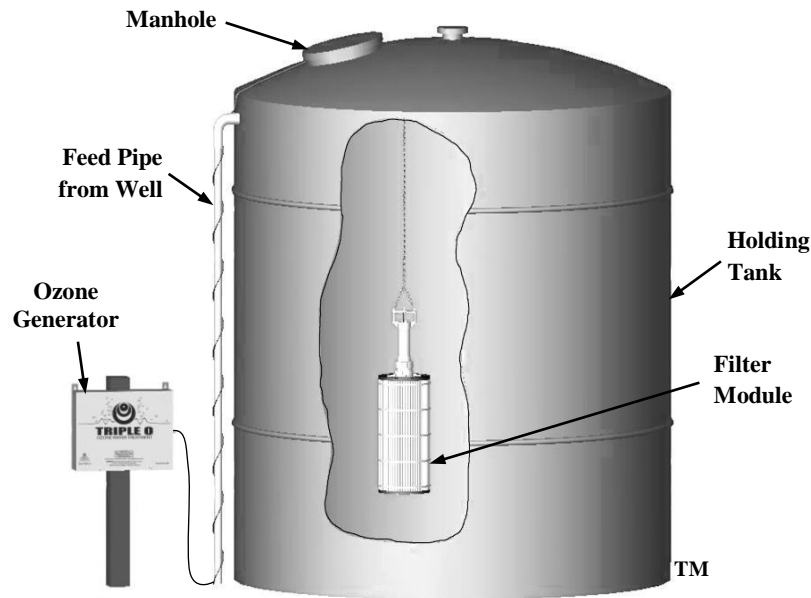


# HOW “TRIPLE O” WORKS



The Triple O system consists of an ozone generator with an air pump and filter module (with 100 square feet of filter area) that hangs inside the tank and includes an ozone diffuser to create millions of ozone saturated bubbles. An optional in-line mixing system (installed on the well feed line to the water tank) is also available.

The ozone generator creates ozone the same way the sun does in our upper atmosphere. Inside the generator is a very high intensity ultraviolet (UV) lamp that simulates the ozone producing UV rays of our sun. When compressed air is pumped through the UV chamber, the result is partial conversion of the oxygen in the air to ozone.

The output of the ozone generator is fed through the tubing and into the diffuser inside the filter module to create ozone saturated bubbles. As these bubbles rise inside the filter module lift pipe, the friction of the ozone bubbles against the water causes the bubbles to mix with and draw water through the filter and into the lift pipe. Thus, the water exposed to the tiny ozone bubbles is filtered prior to ozonation, increasing the ability of the ozone to do its job. As the ozone bubbles rise up and out of the lift pipe, they continue to rise up through about 6 feet of water in the tank, continuing the ozone adsorption process and circulating large quantities of water throughout your holding tank.

The optional in-line mixing system further increases the ozone benefits by treating your well water with ozone prior to the well water entering your holding tank. When your well pump is activated to add water to your holding tank, the in-line mixing system automatically directs and mixes the output of the ozone generator directly into the incoming well water. When the well pump turns off, the ozone is automatically redirected into the filter module assembly inside your tank. This process is accomplished mechanically and requires no complex controls. The mixer would be beneficial if the well water had nonpathogenic nuisance bacteria such as coliform, or if used for surface water in conjunction with a UV disinfection lamp.

The Triple O System thus provides continuous ozonation, filtration and circulation without the use of a water pump. Water delivered to your home and land is fresh and clean, and ideal for all your domestic water uses.



**Triple O Systems, Inc.**

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