



How-to Video

Water O₃zonator WOZ5

Transcription

Wello. I'd like to demonstrate the use of the SOTA Water Ozonator or as we like to call it the Water O₃zonator and shown here is our latest model, the Model WOZ5.

Before we get started please remember to read your manual end to end and thoroughly. That way we get the full specifications, understand the operation of the unit and all the information is covered in the manual.



Wall Adaptor

The Water Ozonator is powered by an AC to DC wall adaptor, shown here, and the wall adaptor specifications are 12 Volt DC output, 1.5 Amps and very important that the polarity of the plug is center or tip positive. Now if the polarity is reversed it doesn't really matter, the unit won't turn on but it won't harm the unit. You just simply reverse the polarity on the tip of the adaptor so your Water Ozonator will fire up. Now if you don't use our wall adaptor, again just make sure that the specifications that you have with your wall adaptor match ours exactly. What's unique about our wall adaptor is the ability to change the blades to fit the country that you're in, which fit the receptacle where you plug the blades into. You can snap the blades out by popping them out just like this and of course you would use your blade for your country and you would purchase that and pop it back in.

Turn the Unit On

Powering the Ozonator is very simple; I already have the wall adaptor plugged in here for the demo. On the back of the Water Ozonator there's a power jack. Obviously you plug the power plug into the jack like this. And to turn on the unit there's a large white ON/OFF/TIMER button. When I turn the unit on by pressing that button the lights will flash a little sequence, it will start on the five minute mode. The pump will start, you'll hear it, and ozone will come out of the unit. So let's do that now. There's the pump running and I can actually smell the ozone.

Turn the Unit Off



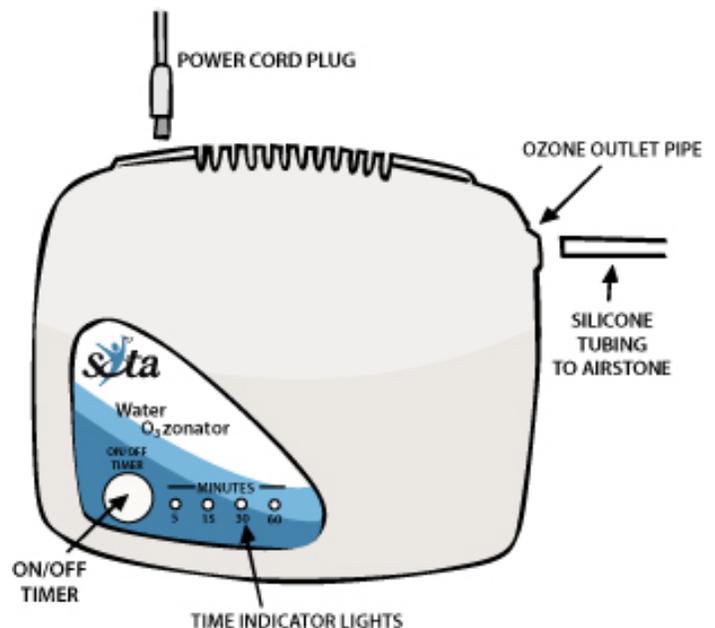
And to turn it off you hold that button down for two seconds at which time the lights will flash, the ozone production will stop, but the air pump will continue to run to take all the ozone that's in the unit and evacuate it. So let's do that now. Hold it down for two seconds. The ozone production is stopped. The pump is still running, it will run for another two seconds to evacuate all the ozone and when it's done it will turn itself off. There it is.

Ventilating the Unit

Okay I'm just going to unplug the unit for a second here and just bring your attention to the ventilation holes underneath the WOZ unit itself. You notice there's a number of ventilation holes here and here and also on the back of the unit we also have ventilation holes. We have feet that elevate the unit off the surface in order to allow proper airflow. And please situate the unit on a hard, flat surface like this. That way we get proper ventilation and airflow through the unit.

Silicone Tube and Airstone

The next step now is to connect the Silicone Tubing and Air Stone. And our Silicone Tubing is an ozone resistant, high end, medical grade tubing and on the end we have the Air Stone with a barb which is held in place with a food grade epoxy, completely ozone resistant, and on the end of the unit here is the actual ozone output port. It's made of stainless steel. The chamber is made of stainless steel and glass. And we actually have the port right on the end here. We need to connect the Silicone Tubing to the port. And in order to facilitate that what I like to do is just get a bit of water, just dab the end of the Silicone Tubing in a bit of water, and then what you want to do is work that Silicone Tubing onto the port like this. And the water makes it slide on easier. And as you can see it actually self-seals and it's very important that you put the Silicone Tubing as far in as you can – it will stop naturally – but that provides a solid seal. We don't want ozone gas escaping from this end. Now over time





that might expand and you just may want to snip the end off so you just have a cleaner, smoother connection maybe in a few months if you find it's getting a little bit loose.

Making Ozonated Water

Now you've connected the silicone tubing to the unit and of course it's very simple, you're going to take the Air Stone and you're going to put it in your glass of water. And I have a standard, two cup glass of water here.

I'm going to reconnect the power jack and when I first turn the unit on again by touching the ON/OFF button here it will go into the first of the four timer modes, it will start in the five minute mode. If I wish to change to another mode I just simply hit the ON/OFF button and it will go from five minutes to fifteen minutes, fifteen minutes to thirty minutes and thirty minutes to sixty minutes and then back to five minutes. So let's do that right now.

Right away you should see that it's in the five minute mode. And right away I can hear the air pump. I can smell the ozone. Of course we have lots of bubbles. So what you want to look for now is vigorous bubbling that dissipates the ozone in the water. Make sure that you see everything is nicely connected. And we're making ozone. For those who may be a little bit sensitive, you may want to put the glass under a stove fume hood with a fan on just to ventilate it. Normally it's not a big problem but for those who want to do that you can leave it in a well ventilated area.

Timing Modes

Changing modes again, is very simple. I hit the button. We go from five minutes to fifteen minutes and the fifteen minute light will start flashing. And each time I change the modes the internal timer resets. So it's actually starting now at fifteen minutes. I hit it again; we're in the thirty minutes so the thirty minute timer just started. And I go to sixty minutes. What happens in these modes, as the unit is running the timer is timing down and these other lights, for instance if you're in the sixty minute mode, the thirty minute light will come on and flash at the same time as the sixty and then after you get to the fifteen minutes left in the sequence the fifteen minute light will come on and eventually the five minute light and then you'll see all lights flashing and then the unit will turn off. The ozone production is stopped but the pump is still running, obviously we still have bubbles here, but right now all the ozone is being evacuated out of the chamber and in ten seconds – there we are – the unit turns itself off. And that's what happens when it times out. And that's the simple operation of running your unit.

Tips on Making Ozonated Water

Okay I'd like to talk about the type of water to ozonate. Basically you've got reverse osmosis, you have spring water, you have tap water, you have distilled water. All these

waters will work just fine with your Ozonator. The difference is that if you were to run the Ozonator in water that, let's say, has bugs in it or something like that the ozone will spend a lot of time disinfecting. The disinfection of course is the killing of the contaminants, the bugs and that type of thing. It's not purifying the water mind you. Now purifying the water is the removing of particulates and heavy metals and you need a filter for that. So that's not what the Ozonator does. The Ozonator will disinfect because the ozone will kill the bugs but basically I always like to start off with the cleanest water you possibly can. You're going to get the most benefit of the ozone which is really what we're trying to do, to get the ozone into the water to create oxygen, an oxygen enriched water. So if you use water that's already potable, meaning safe to drink, all that ozone energy is going to go into creating that super charged oxygen in the water and really that's what we're after here.

As far as the timing goes of course we have five, fifteen, thirty and sixty minute timing. That's really dependent upon the amount of water that you're trying to ozonate. For instance for five minutes – and it's kind of a rule of thumb – but basically for five minutes you would maybe do two to four cups, 500ml, 1 litre, 16 to 32 ounces. If you want to do a larger container, let's say one of those large five gallon water cooler bottles, you might want to do thirty minutes to sixty minutes. That type of thing. And it's very simple of course, you're just going to let the Ozonator run and it's going to ozonate it and after that period of time it's going to turn off. And you can taste water; you can taste the ozone in the water so you know that the ozone is being put in there.

One thing about water temperature, the colder the temperature of the water, the more ozone it will hold. It's just a fundamental property of water that will actually hold more ozone. So if you want to chill the water you will actually get a stronger ozone but some people find it difficult drinking chilled water so don't worry, your Ozonator puts out enough ozone concentration, over 200 milligrams per hour. Even if you don't drink the water chilled you're certainly going to get the benefit of the ozone water. But again I just want to mention, if you do chill the water, maybe throw some ice cubes in while you're ozonating, you will get more ozone, i.e. also more oxygen in the water.

The next thing is storing the water. First of all I need to mention that it makes sense to always ozonate in a glass container and not plastic nor do you want to store it in plastic because the ozone could break down the plastic and leach in and you don't want that. Glass is one of the most inert elements or materials out there. So it's wonderful for ozone, it doesn't affect it. And so always just use glass containers. Now if you want to store the water, the ozone itself has about a twenty minute half life which means that after about twenty minutes most of the ozone has dissipated and it goes very quickly. That's why we have our own Ozonator; you want to drink it fresh. But if you want to try storing it, you could use again, a glass container and cap it. When you cap it, it tends to trap the ozone in there. It's not as powerful as if you were to drink it fresh but it does tend to trap it and so



you can contain that ozone in the water for maybe several hours. You can actually still smell it after several hours. So keep that in mind that you can actually store it.

And that's basically it. Happy Ozonating!

Note: This video and the transcript are intended to complement the product manual that accompanies your unit. Please be sure to read the complete product manual before using your unit.