

Ozone can be added to aquarium and pond water as a method to breakdown unwanted dissolved organic matter that cannot be removed using traditional filtration methods.

An ozoniser is used to create Ozone 'O<sub>3</sub>' which is then added to the aquarium water. Ozone has 3 oxygen molecules and is very unstable. 'Normal' oxygen, as found in air and water, has two oxygen molecules (O<sub>2</sub>) and is very stable. Ozone molecules quickly break down and lose an oxygen molecule. This then forms "normal" oxygen with a free single oxygen atom left over. This free atom attaches itself to dissolved organic compounds, causing them to break down into simpler forms or combine with others, making them suitable to be removed with traditional filtration methods.

### **Using ozone with the Seneye device and seneye+ slide**

The seneye device itself will not be harmed as the materials that it is made from are not affected by ozone.

The seneye + slide could be damaged by the use of too much ozone. It is likely that the coloured sensors that are used to measure the NH<sub>3</sub> and pH level could be bleached. This will affect the measurement of pH and NH<sub>3</sub> because the seneye device uses the colour of the sensors to measure the level.

The NH<sub>3</sub> and pH sensors should be bright in colour, if they are bleached or white they have been affected by ozone and the reading will be affected.