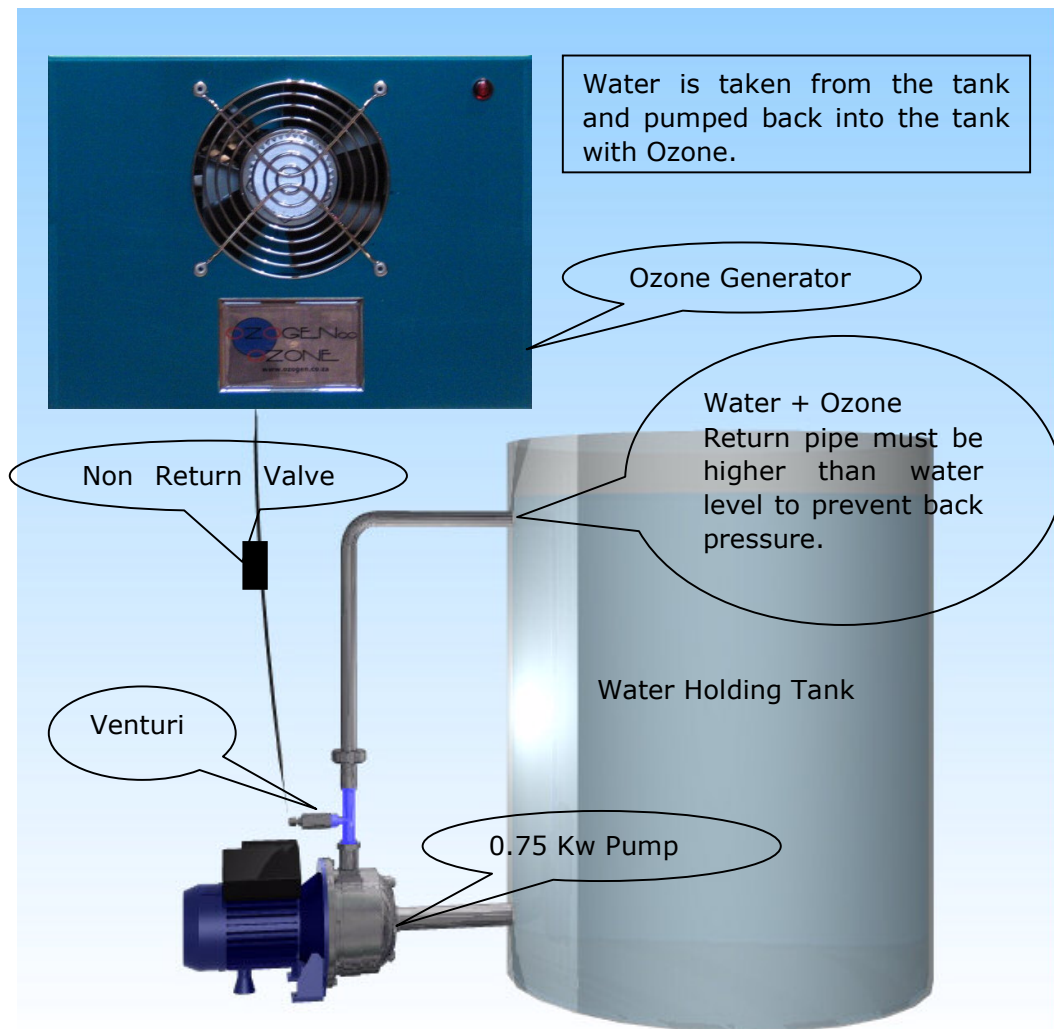


## 1. DIAGRAM



The intention with the above diagram is to show that water is taken from the bottom of the tanks and returned to the top of the tanks with Ozone. The device that induces the Ozone and mixes it with the water is the Venturi as shown in the diagram.

Ozogen provides the Ozone Generator, Venturi, non-return valve and 2 metres of O<sub>3</sub> tubing other components are provided by the customer.

## 2. INSTALLATION TIPS

- 1) All pipes used should be 50mm PVC tubing as used on swimming pools to ensure good flow.
- 2) Venturi should be installed on return pipe after pump going to top of water tank.
- 3) With the pump running, a suction should be felt at the Venturi, typically this air flow is around 15 litre per minute and can be measured with an airflow meter.
- 4) Ozone generator should be installed away from rain, dust, direct sun-light and extreme heat in a well ventilated area.
- 5) Non return valve supplied should be fitted as close to the venturi as possible to prevent water flowing back through the Ozone generator when the pump stops.
- 6) Pipe returning to top of water tank should be above the water level to prevent back pressure which will reduce venturi efficiency.
- 7) Ozone generator should be connected to pump so that the Ozone generator only runs when the pump runs.
- 8) Timer switch should be installed to switch off pump and Ozone generator at hours when water is typically not used during the day to save electricity.
- 9) A good lightning protector should be installed on the Ozone generator power supply cable to protect the unit from power line surges induced by lightning.
- 10) A cartridge filter can be installed in front of the pump to filter sand etc out of the water and ensure that the water in the water tank is as clean as possible.