

# Submersible pump with Vital Oxidizer

## User Manual

Type : User Manual  
Datum : march '21  
Versie / Revisie : Version 4.0, Revisie 00  
Status : Adopted  
Bedrijf : PRESSCON  
Locatie : Honselersdijk

## 1 Application

The Vital Oxidizer is a water improvement technique that naturally cleans your irrigation system of algae and other organic pollutants as a replacement for the use of hydrogen peroxide and chlorine. The water is also significantly enriched with 100-120% oxygen. An important added value is the oxygen supply in the root environment.

The Vital Oxidizer sucks the oxygen into the water through the venturi and gives the oxygen a swirl so that the oxygen is much better bound to the water and the oxygen content becomes around 100-120%. The oxygen creates a natural balance in the water and root environment. In addition, the organic pollution is broken down in the water silos, the piping system and in the root environment.

Practice shows that no more chemicals or ozone are needed for a clean water system. An improved root development also realizes a higher efficiency. The performance of the Vital Oxidizer can be checked by the decreasing nitrite content and by measuring the difference in oxygen percentage before and after installation of the Vital Oxidizer at the end of the installation.



## 2 Precautionary and safety measures

During the installation of the product, the following risks should be taken into account:

- A 230V earthed power outlet must be used at all times.
- Prevent the power plug from coming into contact with water.
- Moisture is a good conductor of electricity. Therefore, do not touch electrical appliances with wet hands.
- Be alert for damage to wires, plugs and sockets and replace them in a timely manner.

## 3 Maintenance

### 3.1 Pump

Depending on how dirty or clean the basin is, it is important that the submersible pump is checked weekly and cleaned if necessary. The seller can give advice on this.

It is recommended to turn off the submersible pump half an hour a day for a longer life if no fuse box is present.

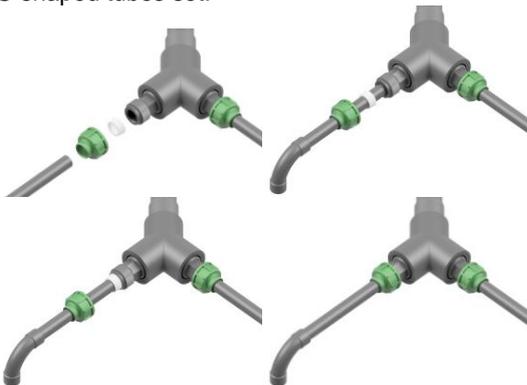
### 3.2 Tap

It is important to regularly check and clean the tap on the hose.

## 4 Construction



**Step 1:**  
Mount the 75cm tubes with bends at the bottom of the S-shaped tubes set:\*



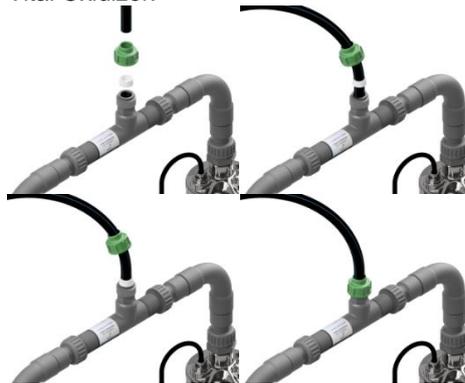
\*Example images not to scale

**Step 2:**  
Mount the Vital Oxidizer with bend at the S-shaped tubes set.  
Attention: the black rubber ring should be placed in between.

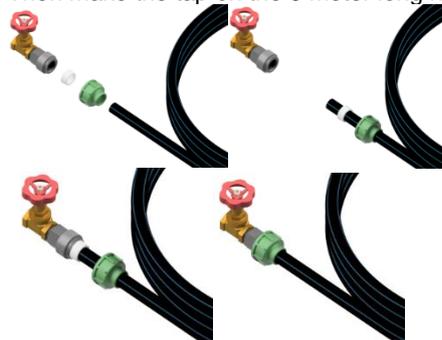


**Step 3:**  
Then mount the assembly to the submersible pump.  
Attention: the black rubber rings must be placed between them and the nipple must be properly positioned.

**Step 4:**  
Then attach the 6 meter long tubing to the top of the Vital Oxidizer.



**Step 5:**  
Then make the tap on the 6 meter long hose.



Attention: the tap may only be opened for 1mm.

**Step 6:**  
Then attach Nylon cord to the hook of the submersible pump.

**Step 7:**



- Place the submersible pump in the water basin.
- The pump is best placed where the basin is filled with (rain) water because this is the cleanest point of the basin.
  - Place the pump about 30 cm above the ground.

**Step 8:** Connect the pump wire to the fuse box. Connect the fuse box to the power supply (the fuse box is optional).

**Attention:** Immediately after installation, the water pipes should be monitored extra closely depending on the amount of dirt in the system. Preventive draining of the loose dirt can prevent blockages in the system.

## 5 To conclude

This manual has been written in order to support the technician, installer or you as a customer to adjust, modify or operate a PRESSCON product. The purpose is to maintain and possibly improve the quality of the product. If additional information or support is required please contact PRESSCON using the following information.