



Maintenance of the Clear Rex BUBBLER plant

1. Service efforts

values – effluent values)
☐ Clean the submerged mechanical plant parts with clean water
☐ Check the function of the electric parts: aerator(s), filling/sludge pump, clear water pump(s), float switch(es), control panel
□ Check the inputs and outputs with "start pump test" or "switch manually"
☐ Check the operating values and the runtimes of the pumps
☐ Check the sludge level in the primary settling/sludge storage tank with suitable equipment
(To maintain good working conditions the sludge has to be removed on a regular schedule. The sludge disposal has to be done if level is at 70% of total volume of the primary tank (if 1 tank primary chamber) and for more than one primary tank plants when the sludge level is at the spiilover from the 1st into the 2nd primary tank.) □ Check the whole system, also the ventilation and exhaust ventilation □ Clean the pumps if necessary
☐ Measure the oxygen concentration, the temperature and the pH-value. Take a water sample with a measuring cylinder, determine the sludge volume index (SVI), check for odors?
□ At every 2 nd maintenance a sample of the water quality has to be taken. Check analysing values like COD,BOD₅, sludge volume index (SVI) and concentration of dry-substance content at a laboratory. Local regulations may require additional testing.

All maintenance activities must be written in the maintenance book and be available for review by local authorities, NSF, or a manufacturer's representative.

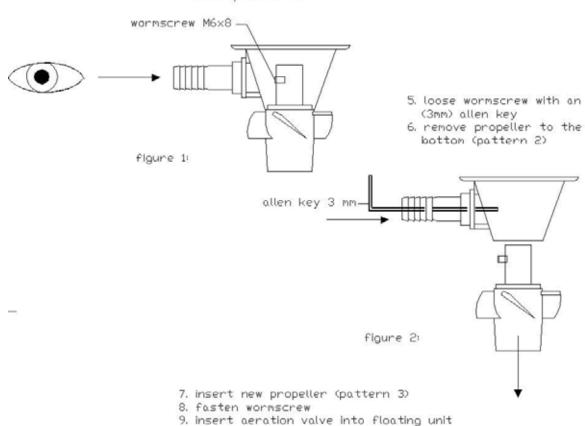
Failing systems must be repaired immediately!!!

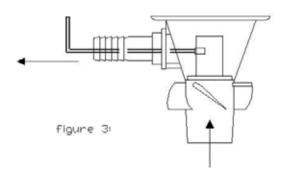


2. How to change a damaged propeller:

How to change the propeller:

- 1. unplug the power supply
- 2. pick up aeration valve
- 3. remove hose clip, then remove hose from aeration valve 4. rotate propeller until wormscrew in hose opening can be seen (pattern 1)





10. connect hose