AWTS Irrigation Filter Cleaning Procedure

envirotas wastewater

Why is this required?

If your AWTS has an irrigation filter installed it is there to protect your discharge system from blockages. When the system has had an operational issue (power outage, pump fault/failure etc) it is common for the filter to require cleaning between service calls. This is a simple procedure that will help your system recover and continue to operate as it was designed to.
If your high-water alarm is activated or a recent service report has recommended 'regular cleaning' then follow the steps outlined in this document.

Step 1 - Locate & Isolate

1. There are several different models of filter (as pictured). They will normally be located next to the systems control box/tower. They may be singular or twin.
2. Once located you can then isolate the power to system. This will prevent the pump turning on when whilst you are cleaning the filter.
3. Depending on how your electrician completed your installation this can be done at the isolation switch mounted near the system or at your distribution board/fuse box (if unsure please give us a call).

Step 2 - Remove the Filter Cartridge

1. Whether your filter is an inline tube or a cannister style unit you can access the cartridge inside by unscrewing the end thread (for inline) or unscrewing the top casing (for cannister). This thread may be firm to prevent leakage, so support the rest of the unit when unscrewing so that other fittings on the line aren't damaged.
2. Once unscrewed you can remove the filter cartridge (note the way cartridge sits).

Step 3 - Cleaning the Filter Cartridge

1. Once removed the cartridge can be cleaned by using a hose/tap and small brush (as pictured).
2. During cleaning, the condition of the cartridge can be inspected. Any damage to the screening will prevent the filter from doing its job. If damage is detected let us know so that the cartridge can be replaced.

Step 4 - Reinstalling the Filter Cartridge

1. Once the filter is clean you can reinstall it in the housing, making sure the cartridge is facing the same direction as it was previously.
2. When tightening the thread make sure any rubber washers or o-rings are in the same place they were before removal.
3. Never over-tighten, just a firm connection is all that's required.
4. Once system is up and running again you can check the connection for any leaks. If leaks are detected run through your steps again making sure all components are clean and in place.

Step 5 - Turning the Power on/Final Checks

1. Once your canister/tube is sealed you can turn the power to system back on.
2. Check the filter unit immediately after works completed and then sometime over the next 24hrs to confirm all is well and there are no issues.
3. If your high-water alarm was activated allow a few hours for the pump cycle to be completed, this will de-activate alarm.

Remember to turn power to the system back on!

Recommendations and Requirements

1. Remember the filter is in contact with treated effluent so it is best to clean outdoors, and with the use of PPE (personal protective equipment) such as gloves etc.
2. Due to the filter cleaning procedure including the isolation of electricity it should be conducted by an adult.
3. As previously mentioned, if unsure of power isolation or any other step in the cleaning procedure ask a capable person for assistance.
4. If you would rather have one of our technicians perform this task, please don't hesitate to contact us and we will schedule their attendance (Call-out and travel charges will apply unless works performed during normal service periods).

Please don't hesitate to be in touch if we can be of any assistance. We would love to help!