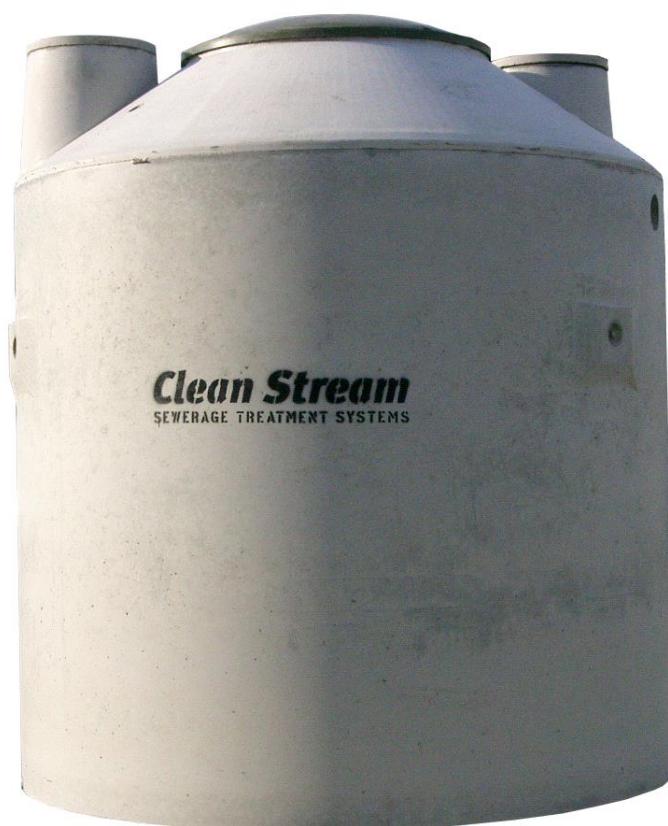


USER INFORMATION AND MAINTENANCE

CLEANSTREAM TXR-BIOFILTRATION TEXTILE SYSTEM



Service Provider



USER INFORMATION AND MAINTENANCE

System No: _____

Installed on: ____ / ____ / ____

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DESIGN

VOLUME

The **CleanStream TXR-Bio-Filtration Textile System** has been designed and tested to work on an average of 1,200 litres per day of wastewater. This averages out at six people contributing 200 litres per person per day. This loading is spread over the day. The timing processors can be changed to increase the treatment volume but a reduction in treatment quality may occur.

LID

The system has concrete and polyethylene lids that are used for easy access into the system. These lids are not designed to be jumped on or driven over. They are slightly above the finished ground level to stop water intrusion.

ELECTRICAL COVER

The rectangular plastic box houses all the electrical controls. This base is 100 mm above finished ground level. Please make sure you do not build the soil up around this box because this could allow flooding to occur and this will damage the electrical controls. It must not be jumped on. If it is broken or holed, please call the Service Provider who will need to replace it.

SYSTEM CONTROLLER V1.1

The CleanStream TXR-Bio-Filtration Textile system controller manages the way the system operates.

Unique Features

The controller is pre-programmed for three (3) separate modes

It may be set in a Mode that is appropriate to the loadings for your specific application.

Each mode has advantages and disadvantages dependent on the situation.

Service Providers are trained to determine which Mode should be applied.

Owners should check with the Service Provider prior to changing setting mode.

ALARM

ALARM TYPES

The system is installed with high level alarms for the recirculation and irrigation pumps.

ALARM NOTIFICATION

If an alarm does activate, press the mute button on the alarm panel to silence the buzzer. This will silence the Alarm for 24 hours. The Alert light will stay on. Please note which Alert light is on. Advising the Service Provider of this **within 24 hours** will enable them to diagnose the fault and be more efficient in rectifying it.

If it's Alert 1 that is on, it may indicate an overuse issue. The system will automatically move to a higher use mode in an effort to clear the high water level that has caused the alert. If the system can clear the water causing Alert 1 it will automatically return to the mode it was set in by the installer.

If it's alert 2 that is on, it may indicate a blocked filter issue that is not allowing treated water to exit the system quickly enough. This filter needs to be cleaned promptly to avoid irrigation pump burning out.

WHO TO CALL

Call the Service Provider as soon as possible - but at least within 24 hours.

WHAT TO DO

Until repairs are made, limit the amount of wastewater going to the system.

MAINTENANCE

TYPES OF FILTERS

The system is fitted with two filters inside the tanks and one on the irrigation pump line. Normally the internal system filter should not need cleaning between service calls. This however is dependent on the volume of solids deposited in the tank. On the pump line is an Arkal filter with 130 micron discs. This is to protect the irrigation field.

CLEANING FILTERS

Discuss the frequency of cleaning filters in your system with your Service Provider. The frequency will differ for individual households however, we recommend cleaning by the homeowner at least once every 6 months.

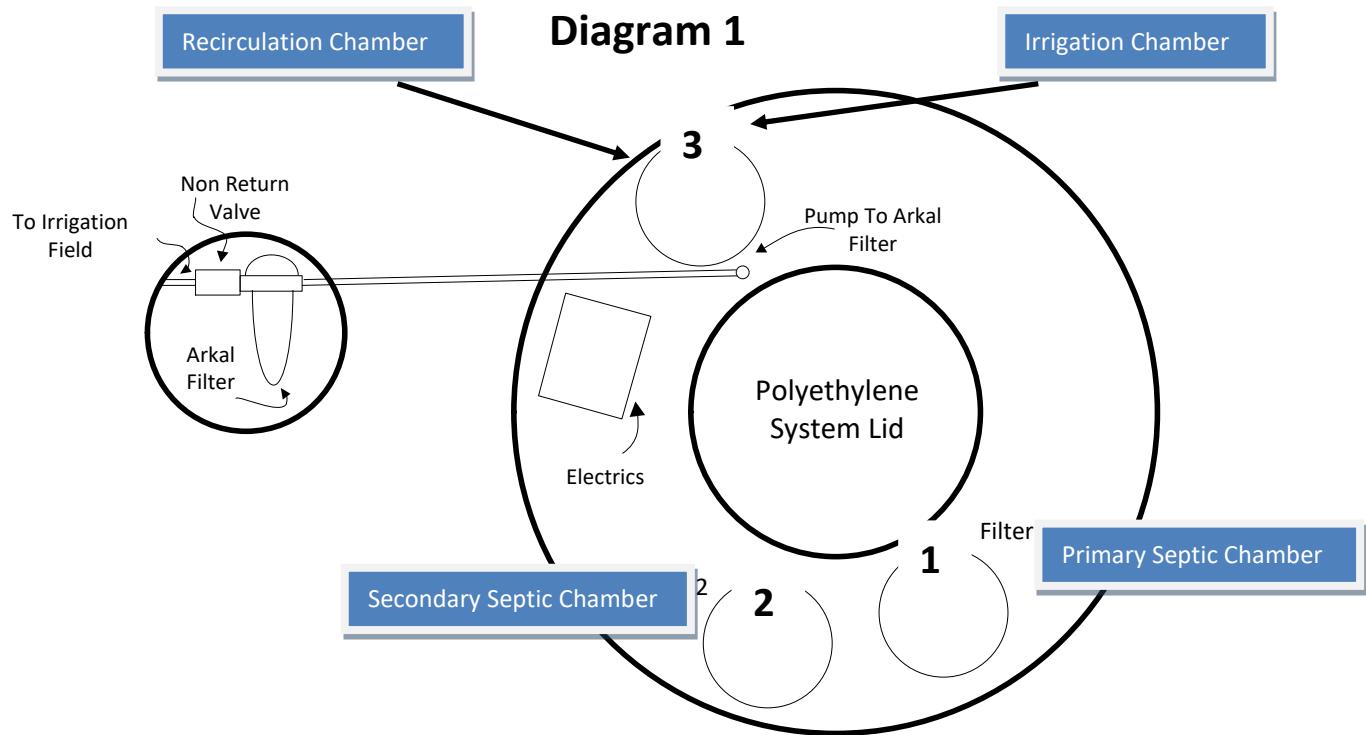
INTERNAL SYSTEM FILTERS

These filters should only be cleaned if effluent is backing up in the system. However, we recommend that even if the filters are flowing freely, a six monthly inspection and clean should be completed. Discuss this with your Service Provider.

The owner is advised to clean their own filter every 6 months. **Protective clothing, gloves and eye protection should be worn at all times during these cleanings.**

Alternatively, for a small fee, our Service Technicians can clean the filter for you. Contact us to arrange this.

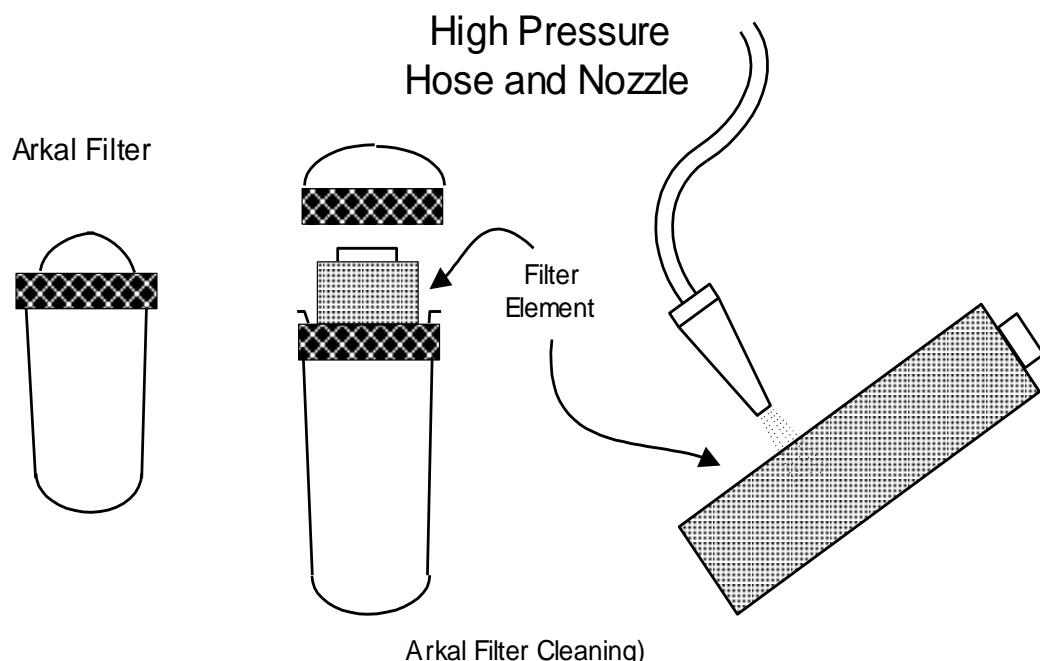
We can also re-locate the Arkal Filter to a location outside of the system for ease of access. Again, contact us for further information and pricing.



ARKAL FILTER

The Arkal filter protects the irrigation line. The Arkal filter cleans with a spinning action using a high pressure nozzle on a household hose.

Protective clothing, gloves and eye protection should be worn at all times during these cleanings.



Arkal Filter Cleaning)

To clean the arkal filter, **the owner** needs to follow these basic steps:

Protective clothing, gloves and eye protection should be worn at all times during these cleanings.

- i) Turn the power off to the system. This stops the pump operating when the filter is open.
- ii) Disassemble the filter by first loosening the locking ring with the plastic wrench provided.
- iii) Remove the bottom portion of the plastic housing exposing the spine on which the discs are stacked. With the cover removed the discs will automatically come free so you can either hose the discs in place by aiming a hose with clean water under pressure at the discs causing these to "spin". This action cleans the discs. The spine is removable, so the discs may be removed if it is more convenient to clean the discs elsewhere.
- iv) Install the spine (if removed).
- v) Replace the cover and locking ring.
- vi) Tighten ring.
- vii) Turn power back on.

MAINTENANCE SERVICING

The **Service Provider** will arrange an annual service for the system. It is important the system is serviced regularly to ensure efficient performance. After each service you will be given a copy of the service report.

DESLUDGING

SLUDGE

Desludging is dependent on loadings. For example, the use of garbage disposal units will increase the load and may necessitate more frequent desludging.

The Service Provider will advise you if it is necessary to de-sludge. Any desludging required is at the owner's expense.

Typically desludging is required every 3-5 years.

NOISE

PUMPS

The system uses 2 pumps. These pumps are virtually silent and they operate intermittently. If you hear any unusual noise, please call your Service Provider.

ODOURS

VENTING

Remember it is a natural process using bacteria to digest the organic material in your wastewater. Air exchange into the system occurs either through the terminal vent on the house (This vent is usually the highest point on the house and any odour is generally dispersed very quickly), or an air scrubber which contains an air scrubbing compound that will need replacement every 12 months. This will be completed by the Service Provider during a service. The cost of this product is approximately \$10.00 per year and is at the owners' expense. If any offensive odours occur an alternative venting system can be installed at a small cost.

SHOCK LOADING

If you go away for a period of time the system gets shock loaded on your return. This occurs because the bacteria population needs to build up to cope with the increased loadings. This can result in some temporary odours. Likewise if the loading is increased significantly for a short period, such things as large numbers of visitors, the bacteria population increases. Bacteria balance themselves with their food source. This can result in some temporary odours. In a Textile system these odours are rare but are not impossible.

BACTERIA

Please treat the system as a living entity with lots of different bacteria working for you. Use anti-bacterial products sparingly.

IMPORTANT DAILY USE ISSUES

DO NOT

- Drive over it.
- Use substances that will kill the bacteria. Such things as strong detergent, disinfectant, bleach or chlorine based products such as Napisan in moderation only. We recommend using a liquid laundry detergent, do not use powder.
- Flush sanitary pads, nappies or condoms into the system. Flushing tampons or their packaging into the system should also be avoided because they may cause blockages.
- Damage the irrigation line in any way.
- Use garbage disposal units on any septic tank system. The added loading will require more frequent desludging.
- Never turn off the power to the system.

SOME DOS'

- Call the service technician within 24 hours if the alarm is activated.
- Reduce the amount of waste water entering the system if an alarm is activated.
- Call the service technician if the irrigation line or any other part of the system is damaged in any way.
- Maintain and prevent intrusion of insects, plants and tree roots into the system.

WARRANTY

All effluent treatment systems produced by Duracrete have been inspected before leaving the factory.

The standard pumps used with the system have a two (2) year manufacturer's warranty from date of commission.

All Davey pumps have a thermal sticker on the body of the pump which turns black when pump overheats from working too hard to push water through blocked filters. The Manufacturer's warranty does not cover pumps with black stickers (burnt out pump).

All other electrical componentry have manufacturers' warranties of one (1) year. Breaking of the tamper proof seal will void warranty immediately.

The concrete tanks are warranted by the manufacturer for a period of ten (10) years from the time they leave the factory. During this period any defect which is attributed to the manufacturer will be repaired or replaced free of charge at Duracrete's option.

This warranty does not cover damage caused by the following:

- misuse of the tank
- neglect
- failure to keep the unit clean and functional
- accidental damage
- vandalism
- use of incorrect power supply
- fluctuations in the power supply
- earthquakes, fire, flood, storm, lightening, land slip or other acts of nature
- persons un-authorised by Duracrete interfering with the system in any way
- customer/owner/occupier failure to advise of any warning or other malfunction within 24 hours of the malfunction occurring
- Intrusion by plants or insects

Please note - the system is not designed to be driven over by vehicles.

COMMISSIONING

WHEN TO USE

The **CleanStream TXR-Bio-Filtration Textile System** should not be used in any way until the system has been commissioned. This includes contractors during the construction of the house and owners wishing to take up residency.

Thank you for buying a **CleanStream TXR-Bio-Filtration Textile System**. Please contact your Service Provider if you have any questions.

