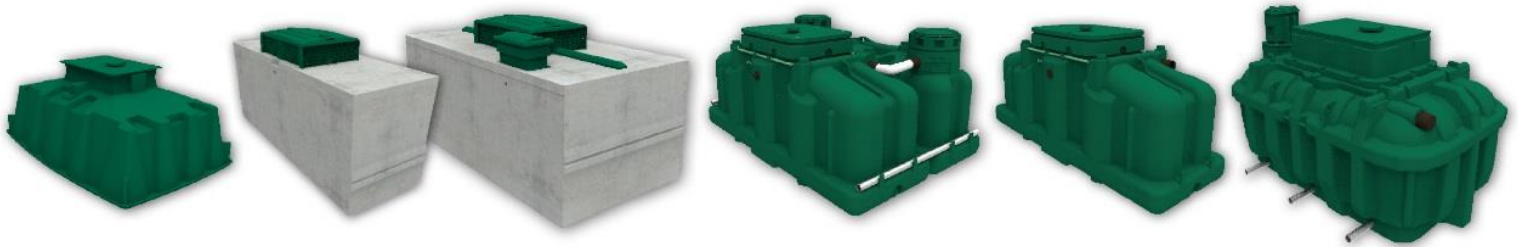


Owner's Manual – CAN/USA



The **Ecoflo® Biofilter** team from Premier Tech Aqua thanks you for having installed an **Ecoflo® Biofilter** on your property. We are passionate about the protection of underground water **sources** and the environment. Your choice certainly helps in this way!

This manual contains information on the operation, operation guidelines, maintenance and warranties on your Ecoflo® Biofilter.

Please inscribe the following information for future reference.

Model of your Ecoflo® Biofilter*:

**Your septic plan or your designer can provide this information*



Installer



Local service provider

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A SIMPLE NO ENERGY TREATMENT SYSTEM

99% REMOVAL OF POLLUTANTS*

*Basic contaminants, including fecal coliforms, CBOD₅ and TSS.

Ecoflo helps protect groundwater, the source of drinking water for the homeowners.

Groundwater

THE AMAZING COCO AT THE HEART OF ECOFLO



HOW IT WORKS?

- 1 Septic tank**
Clarifies wastewater coming from the residence by retaining solids.
- 2 Ecoflo® Septic System**
Treats wastewater naturally and acts as a barrier that retains pollutants thanks to its 100% organic filtering media made from a renewable raw material.
- 3 Infiltration area**
99% treated wastewater infiltrates the natural soil for final purification and a better protection of groundwater.

100% natural filtering media made from coconut husks, giving a second life to a by-product of the coco industry.

See its production! [YouTube](#)

1. Operating Principle

Onsite wastewater treatment systems must respect applicable local rules and regulations. These systems are specifically designed to treat residential wastewater to such a level that treated effluent can be safely returned to the environment. Typically, an onsite wastewater treatment system is composed of 2 to 3 main treatment steps depending on site constraints: primary treatment, treatment system and, if required, polishing treatment.

① Primary treatment

The primary/septic tank is the primary treatment. It clarifies wastewater by letting suspended solids settle to the bottom and retaining floating matter to prevent premature clogging of the treatment system. It is strongly recommended that the primary/septic tank be equipped with an effluent filter. Every primary/septic tank and effluent filter shall be installed according to the local regulations.

② Treatment system

Once wastewater has passed through the primary/septic tank, it then flows towards the Ecoflo® Biofilter. Inside the biofilter, a tipping bucket equally disperses the wastewater on specially designed plates which evenly distribute the wastewater on top of the filtering media. The wastewater then trickles through the natural filtering media. The treated effluent can then be discharged to the environment through an appropriate dispersal/disposal mean in accordance to local regulations.

The Ecoflo® Biofilter's operating principle allows the system to be used continuously or intermittently without requiring any special precaution or having any impact on the quality of the treatment. In most cases, no specific action from the owner is required to start the system.

The model and the number of Ecoflo® Biofilter are determined by the domestic wastewater flow per day. The selection of the model also depends on the available surface area, the topography of the lot, as well as the type, permeability and depth of the natural soil on site.

③ Polishing treatment

When required, the Ecoflo® Biofilter can be combined with PTA's disinfection filter (FDi), a UV disinfection unit (DiUV) or phosphorus removal unit (DpEC) to reduce respectively pathogen concentrations or phosphorus.

2. Operating Guidelines

Type of wastewater that can be treated by an Ecoflo® Biofilter:

Domestic wastewater (for example: wastewater from isolated dwellings).

Never discharge the following products into sinks, toilets or directly into your septic system:

- Oil and grease (motor oil, cooking oil, etc.);
- Wax and resins;
- Paints and solvents;
- Any kind of petroleum product;
- Any kind of pesticide;
- Any kind of septic tank additive;
- Anything not easily biodegradable (for example, coffee beans, cigarette butts, sanitary napkins, tampons, condoms, cotton swab, etc.);
- Pharmaceutical products;
- Cleaners for pipes or pipelines;
- Any kind of toxic substance;
- Household cleaning products in large.

For more information on the operation, operating guidelines, maintenance, and warranties of PTA's primary/septic tanks with effluent filter, FDi, DiUV or DpEC, please refer to the products' Owner's Manuals, which can be found at PREMIERTECHAQUA.COM.



NEVER open or go inside the primary/septic tank or the Ecoflo® Biofilter.



Keep all lids of the septic system accessible at all times. Never cover them with mulch, dirt or any permanent structure (patio, swing, shed, etc.). Otherwise the maintenance partner will not be able to do his annual task.

Make sure all lids of the septic system are at least 50 mm (2") above the surface of the landscaped lot. This will reduce the risk of rainwater infiltration in the system.



NEVER permit the installation a riser on a fibreglass open bottom or polyethylene Ecoflo® Biofilter with a separate pumping vault access. This could break the unit because of excess weight. Warranty would be void.

NEVER permit the installation of more than one (1) extra 150 mm (6") riser on a polyethylene Ecoflo® Biofilter with only a main access. This would bring excess weight on the unit. It would also create a dangerous confined space for the service partner. Warranty would be void.



NEVER permit the installation of more than one (1) riser on a concrete Ecoflo® Biofilter. Use only PTA products. This would create a dangerous confined space for the service partner. Warranty would be void.

NEVER plant trees within 3 m (9'10") of the Fiberglass Ecoflo® Biofilter lid and within 2 m (6' 6") of the absorption bed. Roots seek nourishment in the media of the Ecoflo® Biofilter. They will grow and potentially cause damage to the unit.



NEVER have a connected drain pipe, roof gutter, sump pump or air conditioner drain to the septic system.



NEVER discharge content or water from a water softener backwash, a spa or pool in your septic system.



NEVER discharge wastewater from a recreation vehicle (camping trailer, caravan, etc.) into any of the components of your septic system.



NEVER use automatic toilet bowl.

ALWAYS maintain the surface of the lid of the Ecoflo® Biofilter free of any accumulated material or too close to blown snow, backfill, landscaping material, rocks, the bottom of a slope, an embankment or a retaining wall, etc. Make sure to put these away from the lid. **See minimum distances to respect in table below.** Not doing so may bring damages to the unit and warranty may be void.

Minimum distances to Ecoflo® Biofilter lids:

Shell type	Distance to respect to the lids
Fiberglass	5 m (16' 5")
Polyethylene	4 m (13' 1")
Concrete	3 m (9' 10")



NEVER drive a vehicle or place objects weighing more than 225 kg (500 lb) too close of the lid of your Ecoflo® Biofilter. **See minimum distances to respect in table above.** If you are planning any kind of landscaping or any other type of work on the property (i.e.: snow removal, lawn mowing, excavation, etc.), **make sure you advise all those involved**, so they do not damage your septic system. It is recommended to note where your septic system elements are located.



By respecting these guidelines, you contribute to the proper operation of your septic system and help prolong the life of your Ecoflo® Biofilter filtering media. Failure to abide by these guidelines may, at Premier Tech Aqua's discretion, render the warranty invalid.



2.1 Warranty Startup

The system's warranty begins upon purchase. Should the start-up be delayed, it is the customer's responsibility to inform Premier Tech Aqua about it so the first maintenance, which is included in the purchase price, is postponed. If the first maintenance has been performed prior to the client's call, Premier Tech Aqua reserves the right to decide whether another maintenance, free of charge or not, will be carried out the following year. No request for delayed start-up will be accepted any later than one (1) year after the purchase date without it affecting the product's warranties.

2.2 Owner's responsibility

The owner must respect all existing laws and regulations regarding the system's effluent quality and its discharge into the environment. Make sure to check with your local regulators your requirements regarding the operation and maintenance of your system.

As a complement to your installation, the Ecoflo® Biofilter Team offers the annual maintenance. By maintaining the filtering media of your Ecoflo® Biofilter every year, you contribute to ensure the long life of your system, saving you from having to replace the filter prematurely. This visit is also associated with the warranty of your installation. Most septic systems must be maintained yearly as part of local regulation on environmental matters.

2.3 About the air vent of your home

Your home must be equipped with an air vent that is in proper working order and all plumbing must comply with the applicable standards of the building code in your location. Every septic tank must be ventilated by an air duct with a diameter of at least 100 mm (4") or be connected to the air vent of the isolated dwelling being served. Premier Tech Aqua strongly recommends using a pipe with a diameter of 100 mm (4") for the air vent.

Any change in the use of your home or any modification to your Ecoflo® Biofilter must be authorized by the local authorities, and Premier Tech Aqua must be advised. If this requirement is not fully met, the warranty for your Ecoflo® Biofilter will be null and void.



3. Maintenance



What is a septic system?

It is a unit that receives the wastewater from your house, treats it to remove its contaminants and releases it back into the environment once it is clean.

What is maintenance?

With your car, you obviously need to open the hood yearly to make sure everything works properly. For the same reason, it is logical to open the lid of your Ecoflo®.

01

TO SAVE MONEY



By having your septic system maintained you will ensure that it operates properly. It also helps to act quickly if a component is broken or no longer works properly and correct the problem before it involves important and costly damages.

02

TO PROTECT YOUR INVESTMENT



Did you know that septic system failures result mainly from a lack of maintenance? Maintaining a septic system will contribute to keeping it in top shape and make sure it performs until the end of its useful life. As this is a significant investment, we want it to last a long time!

03

TO PROTECT YOUR HEALTH AND THE ENVIRONMENT



A septic system that no longer treats wastewater properly releases contaminants straight into the environment. Maintaining a septic system contributes to preventing it from becoming a health hazard, as well as a source of environmental pollution.

For your peace of mind, visit **ECOFLOBIOFILTER.COM/MAINTENANCE** to learn all the details about the maintenance of your Ecoflo®!

☎ 1 800 632-6356
pta-maintenance@premiertech.com

IMPORTANT: Primary/septic tanks can be emptied in several ways that can be classified into two categories: **complete emptying and selective emptying.**

① **Complete emptying**, the most common, consists of completely pumping the contents of the primary/septic tank. It's easy to check if the work was properly done because the primary/septic tank will be completely empty when the vacuum truck leaves the site.

② **Selective emptying** is divided into two sub-categories: **with a filter** (or recycled) **or without a filter**. The method with a filter requires a truck that has been adapted for this type of emptying, that is, one that separates and retains the solids from the wastewater. The mechanically clarified water is then returned to the primary/septic tank. The selective method without a filter allows the solids to settle while in the truck before the water is returned to the primary/septic tank. As such, in an effort to ensure the Ecoflo® Biofilter continues to perform optimally, **it is very important that you ensure that the water returned to the primary/septic tank has been properly clarified and does not contain or contains very few suspended solids.**

We also recommend you to call one of the members of PTA's local partners. He will assist and verify if the work is done according to your specific needs to best protect your Ecoflo® Biofilter.

3.1 Primary/septic tank

Your primary/septic tank should be pumped out every two to four years or if the level of sludge measured exceed the 2/3 of the total height of water in the tank. This helps to keep your septic system in proper working order. Every primary/septic tank and effluent filter shall be inspected and maintained as prescribed by local regulations. A local service provider can professionally do this.

If your home is equipped with a garbage disposal or a sewage pump, we strongly recommend having your primary/septic tank emptied more frequently than the frequency noted above. Using this kind of equipment increases the amount of sludge in the primary/septic tank.

To have complete records of the maintenance performed on your septic system, we recommend that you to keep the proof of maintenance (the invoices) with this Owner's Manual.

3.2 Effluent filter

Under normal operating conditions, as described in this manual, an effluent filter that complies with local regulations should operate efficiently for many years. It must be cleaned every time the primary/septic tank is emptied, as established or recommended by local authorities. Again a service provider can do this for you during the annual visit.

3.3 Ecoflo® Biofilter

The owner of a Ecoflo® Biofilter **shall follow the manufacturer's recommendations regarding the maintenance of the system.** For that purpose, he must at all times have a valid contract with the manufacturer or its local representative and, depending on the local regulations, **a copy of the contract may have to be filed to the authorities.**

Annual maintenance is important to ensure optimal performance of your **Ecoflo® Biofilter** and essential to maintain its warranty. Therefore, your system must be serviced annually for the duration of its useful life. According to local regulations, at least 1 visit per year may be required.

The maintenance of your Ecoflo® Biofilter shall be carried out by one of our duly trained service providers. This service includes a visual inspection of all components and a verification of the operation, as well as maintenance of the filtering media. **For maintenance purposes and to replace the filtering media, you must ensure that your system's lid is easily accessible.** Never cover or bury the lid of the Ecoflo® Biofilter. After each inspection, you will be given a maintenance record. Keep it with this manual in a safe place.

At the end of its normal life span (ten (10) years for EC, EC5, EC7, ST and STB model series (except ST and STB models with 100% peat filtering media that shall function properly for eight (8) years), the filtering media is analyzed by one of our authorized agents. Under normal usage, if the filtering media has not been abused and the operating guidelines have been respected, the filtering media might not have to be replaced and can be used for some additional years. **However, your Ecoflo® Biofilter filtering media must be replaced before the system's treatment capacity and performance begins to deteriorate.** The filtering media is easily pumped out using a truck adapted to emptying primary/septic tanks. The new filtering media is then installed by an authorized agent or the pumper.



To know more about the maintenance of your Ecoflo® Biofilter, refer to your Maintenance Agreement. If you need help or more information, please call our Customer Service Department at **1 800 632-6356** or visit our website at **PREMIERTECHAQUA.COM**.

4. Ecoflo® Biofilter with Pump

Some Ecoflo® Biofilter have an integrated pumping station (other situations may require a separate pumping station), that directs the treated effluent to an appropriate disposal mean according to local regulations. The electro-mechanical components are included in this system. Here are some of the details.

4.1 Visual and audio alarm system

The pumping station is equipped with a high-water-level float connected to an alarm system. This alarm system must be installed inside the residence (home) so it can be heard when it is activated. The following information describes how this system works.

A red indicator lights up and an audible alarm is heard when the water level in the Ecoflo® Biofilter is unusually high. If an alarm is activated, contact Premier Tech Aqua's After-Sales Service at the number inscribed on the panel. We offer a 24/7 service. This incident has to be checked. To silence the alarm, press the “SILENCE” button.

The “TEST” button lets you check if the alarm system is working properly. During a test, the red indicator should light up and an audio alarm should be heard.

In the event of a power failure, the alarm system continues to function on an emergency 9-volt alkaline battery (not supplied). Using a rechargeable battery is not recommended.

NOTE: Replace the emergency battery every 12 months, each time the alarm is activated or whenever there is a power failure. If the battery is weak, the system will beep once every minute. When this occurs, replace the battery immediately.



Pumping station
Alarm box

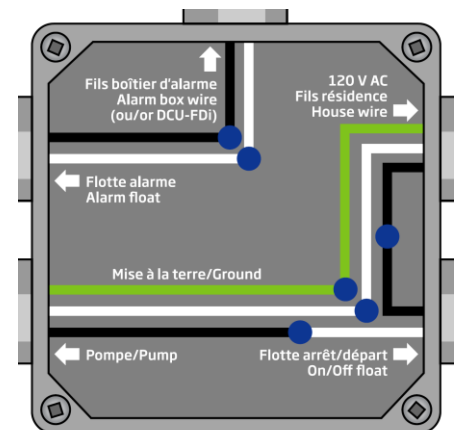
To replace the 9-volt battery:

- Disconnect the alarm box and remove it from the wall (the battery must be inserted on the side of the box).
- Open the cover of the 9-volt battery compartment and replace the battery with a 9-volt alkaline battery.
- Close the cover, reinstall the box on the wall and reconnect it.
- If the alarm is activated, press the “RESET/TEST” button to initialize it.

4.2 Electrical connections

All electrical connections must be done by a **certified electrician** and using seal connectors is mandatory. Premier Tech Aqua recommends installing the power box on top of the pumping station's insulating board to avoid humidity problems.

Use two (2) separate circuit-breakers, one to operate the pump and the other to connect the alarm box. Do not connect anything else to these circuit-breakers (for example, a household appliance). They must be used exclusively for the pump and the alarm box.



Electrical junction box

5. What to do in case of...



5.1 An activated alarm

If an alarm is activated, unrelated to a power failure, contact Premier Tech Aqua's After-Sales Service Department so the problem can be identified and corrected. Call 1-800-632-6356.



5.2 A prolonged power failure or system shutdown

If a winter power failure is prolonged or if you are planning to shut down your system, protect the components of your septic system against freezing.

If one of these situations occurs, or If you have any questions about restarting your system, contact Premier Tech Aqua's After-Sales Service Department at 1-800-632-6356.



5.3 Flooding

Certain sites are prone to flooding or to rises in groundwater levels. This can lead to a malfunction in your septic system or alter the performance of your Ecoflo® Biofilter. If this happens, contact Premier Tech Aqua's After-Sales Service Department at 1-800-632-6356.



5.4 Backflow

Backflow rarely occurs. But if it does happen, the primary/septic tank is usually the cause. Your primary/septic tank installer or primary/septic tank pumper can generally take care of the situation. Do not hesitate to call him.



5.5 Odours

All septic systems are apt to generate gases and odours. The position of the air vent, as well as other factors unrelated to the Ecoflo® Biofilter itself, can prevent septic gases from dispersing properly and lead to odours. If this happens, contact Premier Tech Aqua's After-Sales Service Department at 1-800-632-6356.

If you have any questions or comments, do not hesitate to contact Premier Tech Aqua at 1 800 632-6356.

Certificate of warranty for Ecoflo® Biofilter

1. PREAMBLE

Premier Tech Technologies Ltd. (hereinafter called "Premier Tech") is proud to provide its customers with an exclusive wastewater treatment system guaranteed by an innovative Warranty.

For the application and interpretation of this Warranty, "Customer" shall mean the person who has purchased an Ecoflo® Biofilter (hereinafter called "Initial Purchaser"), for a residential installation, as well as any subsequent purchaser (hereinafter called "Subsequent Purchaser(s)"), in accordance with the provisions of section 8 of this Warranty. "Successor(s)" shall mean any other person entitled to exercise the same rights as the Customer under the law.

2. NATURE OF THE WARRANTY

2.1. Ecoflo® Biofilter

Premier Tech warrants to the Customer that the filtering media of the Ecoflo® Biofilter shall function properly for a period of ten (10) years for EC, EC5, EC7, ST and STB model series (except ST and STB models with 100% peat filtering media that shall function properly for eight (8) years) from the date of purchase by the Initial Purchaser (proof of purchase required).

Premier Tech warrants to the Customer that the filtering media of the Ecoflo® Biofilter shall function properly for a period of eight (8) years for ST and STB model series from the date of purchase by the Initial Purchaser (proof of purchase required).

Except as provided in sections 2.2 and 2.3 below, Premier Tech also warrants all parts of the Ecoflo® Biofilter components against any manufacturing defect for a period of ten (10) years from the date of purchase by the Initial Purchaser (proof of purchase required). The first two years of the warranty also cover the labour.

2.2. Concrete

Premier Tech does not offer any additional Warranty on the shell of the concrete Ecoflo® Biofilter. Accordingly, the Customer shall rely on the local concrete manufacturer's Warranty policy.

2.3. Pump, floats, alarm box and junction box

The pump, floats, alarm box and junction box included with the Ecoflo® Biofilter are guaranteed for two (2) years (parts only), from the date of purchase by the Initial Purchaser (proof of purchase required). The first year of the warranty also covers the labour.

Premier Tech's conventional Warranty is expressly limited to the text of this Certificate and valid provided the Ecoflo® Biofilter was installed in accordance with applicable regulations and with the manufacturer's recommendations.

3. NOTICE

For this Warranty to be valid, the Customer must notify Premier Tech in writing immediately upon the appearance of any indication of an anomaly or irregularity in the Ecoflo® Biofilter.

Such notice shall be mailed to Premier Tech's Head Office at 1, avenue Premier, Rivière-du-Loup, Québec, G5R 6C1, CANADA or by facsimile at (418) 862-6642.

Upon receipt of this notice, Premier Tech shall examine the situation and, if necessary, take appropriate corrective measures in accordance with the terms of this Warranty.

4. GENERAL EXCLUSIONS

The following damages or problems are excluded from the Warranty:

- (a) Any damage or problem caused by a fortuitous event or "force majeure", such as, without limiting the generality of the foregoing, an earthquake, a flood, frost, hurricane, landslide, explosion or dynamiting;
- (b) Any damage or problem caused by the fault or act of a third party including, without limiting the generality of the foregoing, the execution of landscaping work;
- (c) Any damage or problem arising from a defective installation of the Ecoflo® Biofilter;
- (d) Any damage or problem arising from any installation, modification, correction or addition to the treatment system carried out after installation of the Ecoflo® Biofilter without prior written approval from Premier Tech;
- (e) Any damage or problem caused by the use of a septic tank that does not comply with the applicable regulations and/or with Premier Tech's specifications, as described in the Owner's Manual;
- (f) Any damage or problem, if it is shown that the usage of the Ecoflo® Biofilter was not in accordance with the instructions and guidelines described in the Owner's Manual;
- (g) Any damage or problem, if the maintenance of the Ecoflo® Biofilter was not carried out by a person authorized by Premier Tech, in accordance with the Maintenance Agreement;
- (h) Any damage or problem caused by an omission or act of the Customer or the Customer's Successors including, without limiting the generality of the foregoing, refusal to allow access to the system for maintenance;
- (i) Any damage or problem, if it is found that the Customer or the Customer's Successors have modified or changed the use of the property serviced by the Ecoflo® Biofilter resulting in the alteration of the nature or quality of wastewater being treated and/or that constitutes a violation of the applicable regulations;
- (j) Any damage or problem caused by and/or resulting from the work carried out to access to the Ecoflo® Biofilter, including, without limiting the generality of the foregoing, excavation, snow removal or demolition;
- (k) Any damage or problem resulting from the condition of the site or of the soil and not reported or not properly reported to Premier Tech by the Customer or the person undertaking the site investigation.

5. PARTICULAR EXCLUSIONS

It is further expressly understood that the Customer may not carry out or cause to be carried out any repair or verification of the Ecoflo® Biofilter sold to him, or attempt to carry out any work or to apply any corrective measures whatsoever to said work, before notifying Premier Tech in accordance with the provisions of section 3 of this Warranty and before Premier Tech has visited the site, within a reasonable time following receipt of said notice, to assess the situation.

If the Customer carries out or causes to be carried out repairs, or attempts to repair or to apply corrective measures of any kind whatsoever to the Ecoflo® Biofilter sold to him without prior authorization by Premier Tech, this Warranty shall be considered null and void and Premier Tech shall be considered completely discharged from any and all of its obligations under this Warranty.

6. INDEMNITIES AND DAMAGES

Subject to the application of the provisions and exclusions provided for in this Warranty, Premier Tech's liability and obligations regarding any corrective measure carried out or any attempt to correct an indicated problem shall be limited to replacing the filtering media and/or one or several components of the Ecoflo® Biofilter and to supplying the required labour, if applicable.

7. LIMITATION OF LIABILITY

Premier Tech's compensation or indemnification obligation shall be limited to the provisions of section 6 of this Certificate of Warranty and Premier Tech shall not be held liable for any other damage or loss that may have been suffered or incurred by the Customer or any third party in connection with the Ecoflo® Biofilter, its parts and/or components which originate thereof.

No additional warranty, express or implied, hence excluding any direct or indirect consequential damages (not limited to but including third parties loss) concerning the design, sale or use of the Ecoflo® Biofilter and/or services provided by Premier Tech is hereby granted. Premier Tech's liability under its warranty obligation shall in no case exceed the cost of the Ecoflo® Biofilter.

8. TRANSFER OF OWNERSHIP

In the event of transfer of ownership, sale, assignment or disposal in any way whatsoever of the Customer's property to a third party, this Warranty shall continue to apply if and only if the Subsequent Purchaser or the Successor confirms, by forwarding the attached "Notice of New Property Owner" to Premier Tech within a reasonable delay, that he/she is the new owner of the property, he/she understands and is aware of the content of this Certificate of Warranty and accepts its terms and conditions.

The person who proceeds with the transfer, sale, assignment or disposal of any way whatsoever of the property undertakes to hand over to the Subsequent Purchaser or the Successor the Certificate of Warranty provided upon completion of the work, as well as the Owner's Manual and, if applicable, the Maintenance and Environmental Monitoring Program for the Ecoflo® Biofilter.

Failure to abide by the terms and conditions of section 8 of this Certificate of Warranty may, at Premier Tech's discretion, render it invalid or to be rejected.

9. INSPECTION

The Customer and/or the Customer's Successors shall allow Premier Tech or its duly authorized representatives to carry out all necessary monitoring and inspections, as required, for implementation of this Warranty.

If the Customer and/or the Customer's Successors notify Premier Tech of an alleged defect or malfunction of the Ecoflo® Biofilter and that, after inspection, it is found that no such defect or malfunction exists or that such defect or malfunction is excluded from or does not apply to the Warranty, a minimum charge of \$200.00 plus direct expenses shall be paid by the Customer and/or the Customer's Successors for the cost of the inspection.

10. INTERPRETATION

The terms and conditions of this Warranty shall be interpreted according to and governed by the provisions of this Warranty and the legislation in effect in the Province of Quebec.

11. PRIORITY OF THE CERTIFICATE OF WARRANTY

This Warranty supersedes any contract or understanding, written or verbal, entered into between the Customer and Premier Tech. In the event of contradiction between this Warranty and any other documents and/or contracts entered into between the Customer and Premier Tech, this Warranty shall prevail.

12. PURCHASERS AND SUCCESSORS

Subject to the provisions of this Warranty and especially those of section 8, this Warranty shall continue to be valid for Subsequent Purchasers and Successors and shall continue to have full effect until the end of the agreed Warranty period provided for in section 2 of this Certificate.

Ecoflo® Biofilter Models

The Ecoflo® Biofilter can be found in different model series, which are ST, STB, EC, EC5 and EC7 and each has different characteristics. The model number of the Ecoflo® Biofilter relates to its characteristics, as presented in the following table. **NOTE:** Some model series may not be approved in your area.

ST and STB model series

STB	-	570	PR																		
Shell and pump: Not mentioned = Fiberglass shell B = Concrete shell with gravity discharge BA = Concrete shell with gravity discharge & ready to use BR = Concrete shell with pump BRA = Concrete shell with pump & ready to use P = Polyethylene shell ready to use PR = Polyethylene shell with pump & ready to use																					
Capacity: <table><tr><td></td><td>Demand dosed</td><td>Time dosed</td></tr><tr><td>500 = 450 US gal/d</td><td>1 600 L/d or 2 000 L/d</td><td></td></tr><tr><td>570 = 520 US gal/d</td><td>1 755 L/d or 2 200 L/d</td><td></td></tr><tr><td>650 = 600 US gal/d</td><td>2 000 L/d or 2 500 L/d</td><td></td></tr><tr><td>730 = 680 US gal/d</td><td>2 250 L/d or 2 810 L/d</td><td></td></tr><tr><td>750 = 690 US gal/d</td><td>2 310 L/d or 2 890 L/d</td><td></td></tr></table>					Demand dosed	Time dosed	500 = 450 US gal/d	1 600 L/d or 2 000 L/d		570 = 520 US gal/d	1 755 L/d or 2 200 L/d		650 = 600 US gal/d	2 000 L/d or 2 500 L/d		730 = 680 US gal/d	2 250 L/d or 2 810 L/d		750 = 690 US gal/d	2 310 L/d or 2 890 L/d	
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Discharge method: ST = Open or perforated bottom (infiltration under the biofilter) STB = Watertight bottom (gravity or pumped discharge)																					

The **STB-570PR** model refers to a polyethylene, watertight bottom Ecoflo® Biofilter ready to use designed for 1 260 litres per day (L/d) or 3 bedrooms.

The **STB-570PR** model refers to a polyethylene, watertight bottom Ecoflo® Biofilter ready to use designed for 1 260 litres per day (L/d) or 3 bedrooms.

EC5 model series (maximum applicable HLR 500 L/m²d or 12.25 gal/ft²d)

EC	C	-	500	-	P	-	DV	-	PACK	-	USA
<p>Territory: CAN = Canada: flow in L/d USA = United States: flow in US gal/d</p> <p>Configuration: PACK = One piece monobloc configuration No mention = Stand alone biofilter</p> <p>Discharge method: G = Gravity O = Open bottom (perforated) P = With integrated pump</p> <p>Capacity: 370 US gal/d or 1400 L/d 400 US gal/d or 1500 L/d 450 US gal/d or 1700 L/d 500 US gal/d or 2050 L/d 640 US gal/d or 2400 L/d 750 US gal/d or 2800 L/d 860 US gal/d or 3200 L/d 970 US gal/d or 3600 L/d</p> <p>Shell: C = Concrete F = Fibreglass P = Polyethylene</p>											
<p>The ECC-500-P (PACK) model refers to an Ecoflo® Coco Filter, version EC5, with a daily flow capacity of 500 US gallons, in a polyethylene shell with watertight bottom and an integrated pump. Both primary/septic tank and biofilter are tight together.</p>											
EC = Ecoflo Coco											

The **ECC-500-P (PACK)** model refers to an Ecoflo® Coco Filter, version EC5, with a daily flow capacity of 500 US gallons, in a polyethylene shell with watertight bottom and an integrated pump. Both primary/septic tank and biofilter are tight together.

EC7 model series (maximum applicable HLR 700 L/m²d or 17.2 gal/ft²d)

EC7	-	600	-	P	-	P	-	DV	-	PACK	-	USA
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Territory:
CAN = Canada: flow in L/d
USA = United States: flow in US gal/d

Configuration:
PACK= One piece monobloc configuration
No mention = Stand alone biofilter

DV = Dosing volume

Discharge method:
G = Gravity
O = Open bottom (perforated)
P = With integrated pump

Shell:
C = Concrete
F = Fibreglass
P = Polyethylene

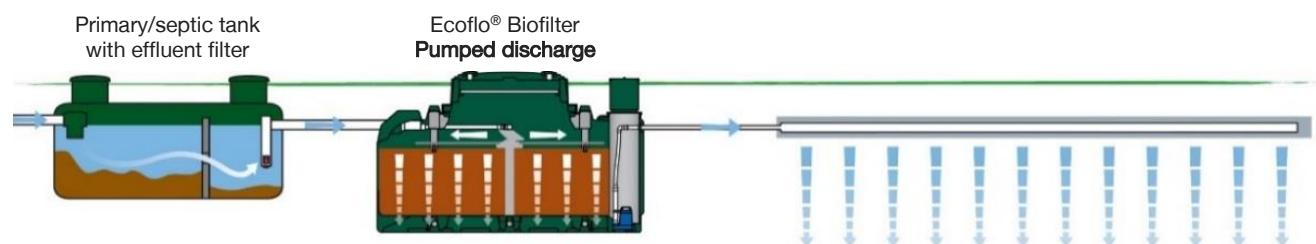
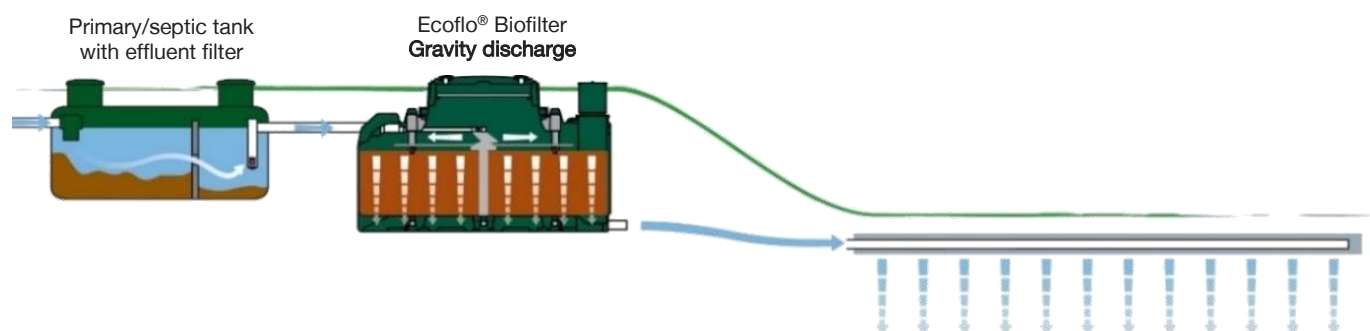
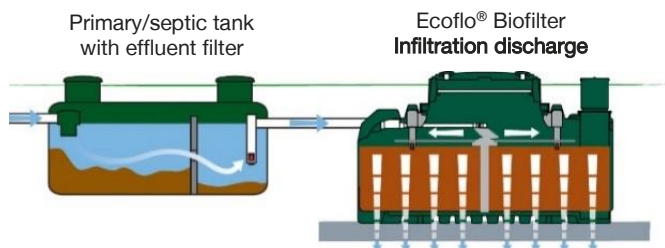
Capacity:
500 US gal/d or 1900 L/d
600 US gal/d or 2200 L/d
750 US gal/d or 2800 L/d
800 US gal/d or 3000 L/d
900 US gal/d or 3400 L/d
1050 US gal/d or 4000 L/d
1200 US gal/d or 4500 L/d
1350 US gal/d or 5000 L/d

EC = Ecoflo Coco

The **EC7-600-P-P-PACK** model refers to an Ecoflo® Coco Filter, version EC7, with a daily flow capacity of 600 US gallons, in a polyethylene shell with watertight bottom and an integrated pump. Both primary/septic tank and biofilter are tight

Installation Diagrams

NOTE: The installation diagrams below represent a polyethylene Ecoflo® Biofilter.



NOTICE OF CHANGE OF PROPERTY OWNERSHIP
THIS FORM MUST BE RETURNED TO PREMIER TECH AQUA
(1, avenue premier, Rivière-du-Loup (Québec) G5R 6C1 or pta-crm@premiertech.com)

Have you recently sold a property serviced by a Premier Tech Aqua wastewater treatment system? Please complete the information below to the best of your knowledge to ensure a quick and accurate update of the customer file.

Name _____

You are the Previous owner ☐ New owner ☐

Premier Tech Aqua Customer Number: 00_____

Site address serviced by a Premier Tech Aqua system:

Civic number _____ Street _____

City _____ Province/State _____ Postal/Zip Code _____

Name of the new owner _____

Postal address (if different than the site where the system is installed):

Civic number _____ Street _____

City _____ Province/State _____ Postal/Zip Code _____

Preferred language of correspondence French ☐ English ☐

Preferred method of correspondence Email ☐ Mail ☐

☐ Phone (cellular) _____ ☐ Phone (other) _____ ☐ Email _____

☐ I hereby declare that the residence serviced by a Premier Tech Aqua treatment system located at the above address changed ownership on this date _____

If you are the PREVIOUS owner:

☐ I have provided the system's Owner's Manual and the included Warranty Certificate* to the new owners. I have informed them that an annual maintenance is required on the system as per local regulation and to maintain the validity of the product's warranties.

Signature _____ Date _____

If you are the NEW owner:

☐ I hereby declare that I have received and read the Owner's Manual and Warranty Certificate* and agree to abide by their terms and conditions.

☐ I understand that an annual maintenance is required for all treatment systems as per local regulation and that I must renew my annual maintenance contract with the manufacturer every year (at the latest on December 31st of every year) to benefit from the protections of the product's warranty and ensure compliance of my system.

Signature _____ Date _____