



Owner's manual

ECOFLO[®]

Sustainable septic solution



Certified to NSF/ANSI standard 40 & 245



Certified to CAN/BNQ standard 3680-600



Certified to BNQ standard NQ 3680-910

2022

Owner's manual – Ecoflo biofilter – Québec

Premier Tech 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.

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If you need assistance, please call Premier Tech with your Ecoflo model.

Ecoflo Model*:

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

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1. Operating Principle

In Quebec, the wastewater systems of isolated dwellings must comply with the Regulation respecting waste water disposal systems for isolated dwellings (Q-2, r.22). These systems are designed to protect the public's health and the environment by treating wastewater before it is released into the environment. There are four treatment levels: primary, secondary, advanced secondary and tertiary [treatment].

1. Primary treatment

The primary treatment system consists of a septic tank. The septic tank clarifies wastewater by letting suspended solids settle to the bottom and retaining floating matter to avoid clogging the secondary or advanced secondary treatment system located downstream. **All septic tanks must comply with BNQ Standard 3680-905 and must be equipped with an effluent filter or a primary reactor that is compliant with the same standard.** Certain "PACK" models are configured as single units that combine the primary treatment and Ecoflo with 100% coco filter systems. In addition to the effluent filter, the septic tank of Ecoflo 100% coco filter treatment systems combined with a UV disinfection unit or a FDi disinfection filter must be equipped with a flow regulator.

For more information on the operation, operating guidelines, maintenance and warranties of Premier Tech septic tanks or primary reactors with Premier Tech effluent filters, please refer to these systems' owner's manuals which can be found at PT-WaterEnvironment.com.

2. Advanced secondary treatment

Once wastewater has passed through the septic tank, it then flows toward the interior of the Ecoflo system, where a central tipping bucket equally scatters the wastewater on both sides of a central support. Both sides are equipped with specially designed plates which evenly distribute the wastewater on top of the filtering media. The wastewater then trickles through a filtering media composed of coconut mesocarp fragments or natural fibers. Finally, the treated effluent is discharged into the environment, either by infiltration in an absorption bed, in a sand filter located over an absorption bed or in a watercourse when applicable.

The Ecoflo system is certified under NQ Standard 3680-910 and is an advanced secondary level treatment (Class III).

An Ecoflo system's operating principle allows the system to be used continuously or intermittently without requiring any special precautions 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.

3. Polishing treatment

When required, the Ecoflo system can be combined with a Premier Tech disinfection filter (FDi), UV disinfection unit (DiUV) or phosphorus removal unit (DpEC) to reduce pathogen or phosphorus concentrations.

The FDi, DiUV and DpEC systems are certified under NQ Standard 3680-910 and are tertiary level treatments with phosphorus removal (Class IV) or disinfection (Class V).

For more information on the operation, operating guidelines, maintenance, and warranties of Premier Tech's FDi, DiUV and DpEC systems, please refer to their respective owner's manuals, which can be found at PT-WaterEnvironment.com.

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.

AND



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.



Once the landscaping is completed, the cover lids of your septic installation must exceed of 2" (50 mm) the surface of the finished ground within a radius that meet the minimum expected distances in relation of the Ecoflo biofilters lids (see table on the next page). Make sure that runoff water flows far away from the lids to reduce the risk of rainwater infiltration in the system.



NEVER install 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 install more than one (1) extra 150 mm (6") riser on a polyethylene Ecoflo biofilter with only a main access. This apply to the two access of the primary reactor as well when it is used in PACK configuration. Use only Premier Tech products. 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 install more than one (1) riser on a concrete Ecoflo biofilter. Use only Premier Tech products. This would create a dangerous confined space for the service partner. Warranty would be void

The installation of the fiberglass Ecoflo with 100% coco filter combined with a compact sand filter is not permitted in low permeable soils.

The maximum distance between the compact sand filter and the limit of the catchment zone (absorption bed) is set at 2.6 m (8'6").



NEVER plant trees within 3 m (9'10") of the fibreglass 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 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 cleaners.

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	2 m (6' 6")



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.



Water softener

If you need or already own a water softener system, consider the following recommendations.

Start with a water test:

- Have your drinking water analyzed by an accredited laboratory (physicochemical and aesthetic analyses).
- Have a drinking water treatment professional design your system based on the results of these analyses.
- Make sure that the system you install complies with NSF/ANSI standard 44.

To reduce the frequency of backwash, the volume of water required, and the amount of salt used, we recommend that you:

- Use a demand-initiated regeneration (DIR) water softener system.
- Avoid all-in-one solutions and choose drinking water treatments according to the specific contaminants to be removed (for example, filtering for iron, manganese, etc.).
- Use an upflow softener system.
- Use less than 6 lb of salt/ft³ of resin if you use a downflow softener system.
- Have the system calibrated by a professional to ensure optimal performance.
- Follow the instructions in your system's operation and maintenance guide.

Make sure that your drinking water professional coordinates with a Premier Tech Water and Environment expert, who will assist you with your project.

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'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 or a qualified third party as referred to in section 1x.2) of the *Regulation respecting waste water disposal systems for isolated dwellings (Q-2, r.22)* 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 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. As well, as mentioned in Section 14 (Ventilation) of the *Regulation respecting waste water disposal systems for isolated dwellings (Q-2, r.22)*, "A septic tank referred to in section 10 or section 11 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 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 must be advised. If this requirement is not fully met, the warranty for your Ecoflo biofilter will be null and void.

3. Maintenance

3.1 Primary treatment

It is essential that you comply with the requirements for septic tank maintenance described in the *Regulation respecting waste water disposal systems for isolated dwellings (Q-2, r.22)*. Having your septic tank or primary reactor emptied on a regular basis will contribute to keeping your septic system in proper working order.

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 BNQ Standard 3680-905 should operate efficiently for many years. It must be cleaned every time the septic tank or primary reactor is emptied. A service partner or a qualified third party as referred to in section 1x.2) of the *Regulation respecting waste water disposal systems for isolated dwellings (Q-2, r.22)* can do this during the annual maintenance. For Ecoflo 100% treatment systems combined with a UV disinfection unit or a FDI disinfection filter, the flow regulator must be cleaned to remove particles any residue that may have stuck to the surface.



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. If you have a plastic septic tank or a primary reactor, make sure to fill it with water once the emptying and maintenance (if required) complete.

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.

When the Ecoflo biofilter is combined with a DpEC, please refer to the DpEC Owner's manual.

We also recommend you to contact one of the members of Premier Tech's local partners. He will assist and verify if the work is done according to your specific needs to best protect your Ecoflo biofilter.

3.3 Ecoflo biofilter

As stipulated in section 3.3. (Maintenance contract) and section 87.10 (Installation, use and maintenance) of the *Regulation respecting waste water disposal systems for isolated dwellings (Q-2, r.22)*: "The owner of a treatment system referred to in sections 11.1, 16.1, 87.7 or 87.13 must have a binding contract with the system manufacturer, the manufacturer's representative or a qualified third person in which it is stipulated that minimum annual maintenance will be performed on the system so as to achieve the expected system performance. The owner of the system must deposit a copy of the contract with the local municipality in which the building or site served by the treatment system is situated." (3.3) "Every advanced secondary treatment system must be installed, used and maintained so as to achieve the expected system performance." (87.10)

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.

The maintenance of your Ecoflo system is done by a partner of our local network or by a qualified third party as referred to in section 1x.2) of the *Regulation respecting waste water disposal systems for isolated dwellings (Q-2, r.22)*. The 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, if applicable, you must ensure that your system's lid is easily accessible. Never cover or bury the lid of the Ecoflo system. After each inspection, you will be given a maintenance record. We also recommend that you keep it with this manual.

To obtain the detailed maintenance report, you must apply by contacting Premier Tech or with the qualified third party as referred to in section 1x.2) of the *Regulation respecting waste water disposal systems for isolated dwellings (Q-2, r.22)* which performed the maintenance.

At the end of its ten (10) year life span, the filtering media is analyzed by one of our authorized agents. If the filtering media has not been used abusively and the operating guidelines have been respected, it may be possible to use the filtering media for an additional year before having it replaced. However, your Ecoflo system's filtering media must be replaced before the system's treatment capacity and performance begins to deteriorate. The filtering media can be easily pumped out by a vacuum truck designed to empty septic tanks. The new filtering media is then installed by an authorized agent.

To know more about the maintenance of your Ecoflo biofilter, refer to your Maintenance Agreement. For help or more information, please contact our Customer Service Department at 1 800 632-6356 or visit our website at PT-WaterEnvironment.com.

3.4 Particularities of the Ecoflo with 100% coco filter

Integrated dosing device

The Ecoflo with 100% coco filter may sometimes be equipped with an integrated dosing device that requires no energy to direct flow to the sand filter's distribution area. This integrated dosing device accumulates a sufficient volume of water to feed the sand filter and, when the maximum water level has been reached, empties the tank quickly. The integrated dosing device must be visually verified on an annual basis to ensure it is operating properly.

Compact sand filter

The maintenance of a compact sand filter is limited to a visual verification to ensure it is operating properly.

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'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.

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.

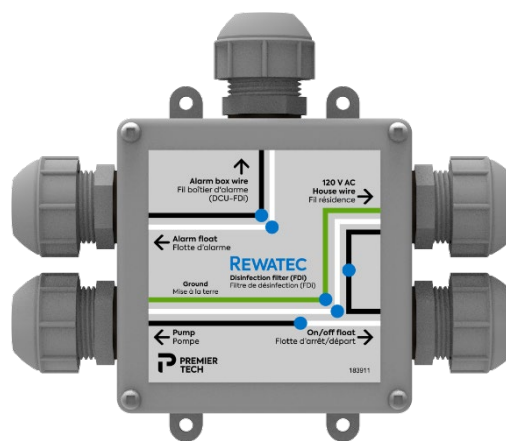
4.2 Electrical connections

All electrical connections must be done by a **certified electrician** and using seal connectors is mandatory. Premier Tech 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. In the case of commercial, community, institutional or municipal application refer to your Premier Tech's project manager.



Pumping station
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's After-Sales Service Department so the problem can be identified and corrected.

5.2 A prolonged power failure



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's After-Sales Service Department.

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's After-Sales Service Department.

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's After-Sales Service Department to help identify the problem.

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



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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 protected by an innovative warranty. For the application and interpretation of this warranty, « Ecoflo » refers to Ecoflo biofilter or Ecoflo with 100% coco filter, "Customer" shall mean the person who has purchased an Ecoflo product (hereinafter called "Initial Purchaser"), for a residential installation only, 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 legally entitled to exercise the same rights as the Customer.

For a commercial, community, institutional or municipal installation, please refer to your treatment system warranty provided by your Premier Tech project manager.

2. NATURE OF THE WARRANTY

2.1. Ecoflo biofilter

Premier Tech warrants (parts and labour) to the Customer that the filtering medium of the Ecoflo biofilter will work properly – including treatment performance and the absence of clogging and excess sludge that could negatively affect system performance – for a period of ten (10) years. This warranty applies from the date of purchase by the Initial Purchaser (proof of purchase required), provided the septic tank or primary reactor installed upstream from the Ecoflo biofilter is equipped with an effluent filter that complies with the regulations.

Premier Tech also warrants the Ecoflo shell and other components (parts and labour), except for the pump, floats, alarm box and junction box as described in section 2.2 below, for a period of ten (10) years from the date of purchase by the Initial Purchaser (proof of purchase required).

Premier Tech warrants the filtering sand used for compact sand filter (parts and labour) for a period of ten (10) years from the date of purchase by the Initial Purchaser (proof of purchase required), provided that the sand used complies with specifications described in the installation guide.

2.2. Pump, floats, alarm box and junction box

The pump, floats, alarm box and junction box included with the Ecoflo biofilter are guaranteed for three (3) years (parts and labour), from the date of purchase by the Initial Purchaser (proof of purchase required).

Premier Tech's conventional Warranty is expressly limited to the text of this Certificate and is valid only if 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 design or operation of the Ecoflo biofilter.

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

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, raising of the water table level;
- (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 or by a qualified third party as referred to in section 1x.2) of the *Regulation respecting waste water disposal systems for isolated dwellings (Q-2, r.22)*;

(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 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.

It is also expressly understood that the Customer may not modify or carry out any corrective measures whatsoever to the Ecoflo biofilter sold to him 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.

This section does not restrict the Customer from having the manual maintenance of the Ecoflo biofilter performed by a qualified third party as referred to in section 1x.2) of the *Regulation respecting waste water disposal systems for isolated dwellings (Q-2, r.22)*.

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.

Appendix 1 – Ecoflo biofilter models

Product line

<div>  </div>			TERTIARY TREATMENT OPTIONS			
			Passive disinfection filter (FDi)	Integrated UV disinfection (DiUV)	UV disinfection (DiUV) in separate tank	Phosphorus removal (DpEC)
Bedrooms	Hydraulic Capacity	Model				
100% COCO FILTER						
2	1,080 L/d	EC-2.8	✓	✓	✓	✗
3	1,260 L/d	EC-3.4	✓	✓	✓	✗
4	1,440 L/d	EC-3.8	✓	✓	✓	✗
		EC-4.1	✓	✓	✓	✗
5	1,800 L/d	EC-5.0	✓	✗	✓	✗
5 et 6	2,160 L/d	EC-5.7	✓	✗	✓	✗
6+	2,810 L/d	EC-7.3	✓	✗	✓	✗
	2,500 L/d	EC-6.5	✓	✗	✓	✗
	3,240 L/d	EC-8.4	✓	✗	✓	✗
BI-LAYER FILTER						
2	1,080 L/d	STB-500	✓	✗	✓	✓
		ST-500	✓	✗	✗	✗
3	1,260 L/d	STB-570	✓	✗	✓	✓
4	1,440 L/d	STB-650	✓	✗	✓	✓
		ST-650	✓	✗	✗	✗
4+	1,620 L/d	STB-730	✓	✗	✓	✓
		ST-730	✓	✗	✓	✓
5	1,860 L/d	STB-840	✓	✗	✓	✓

Compact sand filter

for 100% coco Ecoflo biofilter

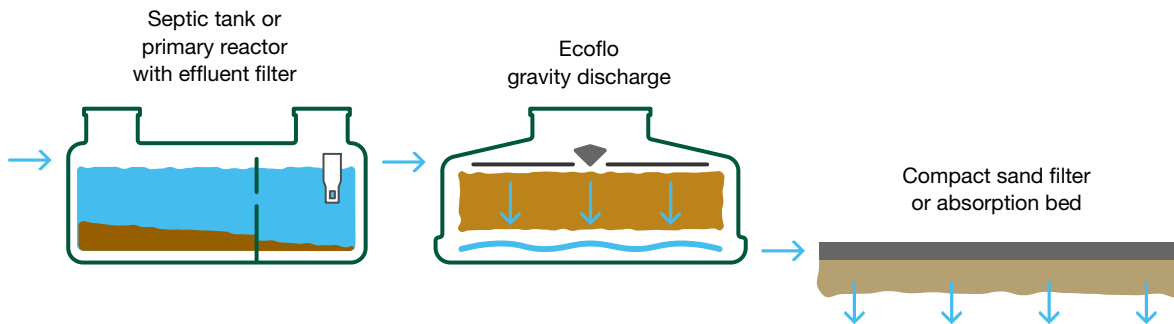
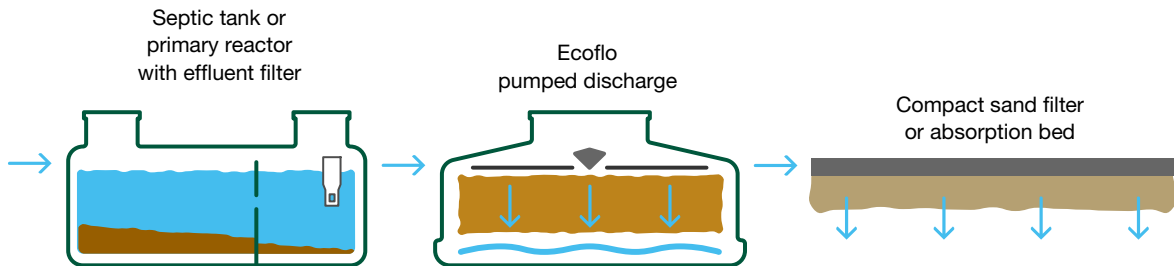
MINIMUM SURFACE AREA

With maximum hydraulic load of 150 L/m² per day

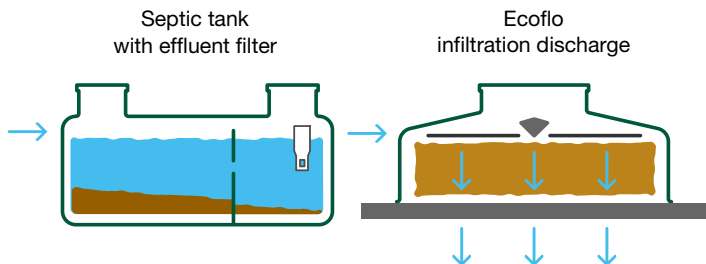
Bedrooms	Daily Flow	Minimum Surface Area
2	1,080 L/d	7,2 m ²
3	1,260 L/d	8,4 m ²
4	1,440 L/d	9,6 m ²
5	1,800 L/d	12,0 m ²
6	2,160 L/d	14,4 m ²
6+	3,240 L/d	21,6 m ²

Appendix 2 – Installation diagrams

Ecoflo with Compact sans filter or absorption bed



Ecoflo without compact sand filter



Appendix 3 – Notice of change of property ownership

This form must be returned to Premier Tech

(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 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 Customer Number: 00 _____

Site address serviced by a Premier Tech 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 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 _____