

# Ecoflo biofilter – Owner’s manual

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\*:**

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

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 PT-WaterEnvironment.com



# 1. Operating principle

On-site 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 on-site wastewater treatment system is composed of two to three main treatment steps depending on site conditions: primary treatment, treatment system, and, if required, polishing treatment.

## 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 local regulations.

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

## Advanced secondary treatment

Once wastewater has passed through the primary/septic tank, it flows toward the Ecoflo biofilter. Inside the biofilter, a tipping bucket disperses the wastewater onto specially designed plates, which, in turn, evenly distribute the wastewater onto the filtering medium. The wastewater then trickles through the natural filtering medium. 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.

## Polishing treatment

When required, the Ecoflo biofilter can be combined with Premier Tech's disinfection filter (FDi), UV disinfection unit (DiUV), nitrogen reduction unit (ECDn), or phosphorus removal unit (DpEC) to reduce pathogen concentrations or phosphorus.

For more information on the operation, operating guidelines, maintenance, and warranties of Premier Tech's FDi, DiUV, ECDn, and DpEC systems, please refer to their respective owner's manuals, which can be found at [PT-WaterEnvironment.com](http://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 or toilets, or directly into your septic system:

- Oils and greases (motor oils, cooking oils, etc.)
- Waxes and resins
- Paints and solvents
- Petroleum products
- Pesticides
- Septic tank additives
- Anything not easily biodegradable (for example, coffee beans, cigarette butts, sanitary napkins, tampons, condoms, cotton swabs, etc.)
- Pharmaceutical products
- Pipe or pipeline cleaners
- Toxic substances
- Large quantities of household cleaning products

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 their annual task.



Once the landscaping is completed, the lids of your septic installation must be at least 50 mm (2") above the surface of the finished ground. Make sure that runoff water flows far away from the lids to reduce the risk of rainwater infiltration in the system.



ONLY install Premier Tech peripherals and accessories, including risers.

NEVER install a riser on a fibreglass Ecoflo biofilter or a polyethylene Ecoflo biofilter with a separate pumping vault access. The excess weight could break the unit and will void its warranty.

NEVER install more than one extra 150 mm (6") riser on a polyethylene Ecoflo biofilter with only a main access. The excess weight from more than one riser could break the unit and will void its warranty. It could also create a dangerous confined space for the service partner.

NEVER install more than one riser on a concrete Ecoflo biofilter. is Otherwise, you could create a dangerous confined space for the service partner and you will void the unit's warranty.



NEVER plant trees within 3 m (9' 10") of the lid of a fibreglass Ecoflo biofilter or within 2 m (6' 6") of the absorption bed. Roots seek nourishment in the filtering medium of the Ecoflo biofilter and their growth could cause damage to the unit.



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



NEVER discharge contents or water from a water softener backwash, a spa, or a pool into 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 keep the lid of the Ecoflo biofilter free of any accumulated debris and away from blown snow, backfill, landscaping material, rocks, the bottom of a slope, an embankment, or a retaining wall, etc. **See minimum distances to respect in table below.** Failure to respect these distances may damage the unit and void its warranty.

**Minimum distances from Ecoflo biofilter lids**

Shell type	Distance to respect to the lids
Fibreglass	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 property work (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 medium. Failure to abide by these guidelines may, at Premier Tech's discretion, render the warranty invalid.

## 2.1 Start-up warranty

The system's warranty begins upon purchase. Should the start-up be delayed, it is the customer's responsibility to inform Premier Tech 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 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 annual maintenance. By maintaining the filtering medium 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 annually as part of local environmental regulations.

## 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 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 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/septic tank

Your primary/septic tank should be pumped out every two to four years or more frequently if the level of sludge exceeds two-thirds 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 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 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. A service partner can do this during the annual maintenance.

**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) is 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 separating and retaining 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 within 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 important that you ensure that the water returned to the primary/septic tank has been properly clarified and contains very few, if any, suspended solids.

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

We also recommend that you one of Premier Tech's local partners. They will verify if the work is done according to your specific needs and in a way that best protects your Ecoflo biofilter.

### 3.3 Ecoflo biofilter

The owner of an Ecoflo biofilter **shall follow the manufacturer's recommendations regarding the maintenance of the system**. For that purpose, the owner must at all times have a valid contract with the manufacturer or its local representative, and, depending on local regulations, **a copy of the contract may have to be filed with local 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 one 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 medium. **For maintenance purposes, and to replace the filtering medium, 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 in a safe place with this manual. To obtain the detailed maintenance report, please contact Premier Tech.

**At the end of its normal life span, the filtering medium is analyzed by one of our authorized agents.** Under normal usage, if the filtering medium has not been abused and the operating guidelines have been respected, it might not have to be replaced and can be used for additional years. **However, your Ecoflo biofilter filtering medium must be replaced before the system's treatment capacity and performance begins to deteriorate.** The filtering medium is easily pumped out using a truck adapted to emptying primary/septic tanks. The new filtering medium 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 contact our Customer Service team at +1 800 632-6356 or visit our website at [PT-WaterEnvironment.com](http://PT-WaterEnvironment.com).

## 4. Ecoflo biofilter with pump

Some Ecoflo biofilter models have an integrated pumping station (other situations may require a separate pumping station), that directs treated effluent to an appropriate disposal area. Electro-mechanical components are included in this system.

### 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 so it can be heard when it is activated.

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 team using the number written 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). Rechargeable batteries are 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.

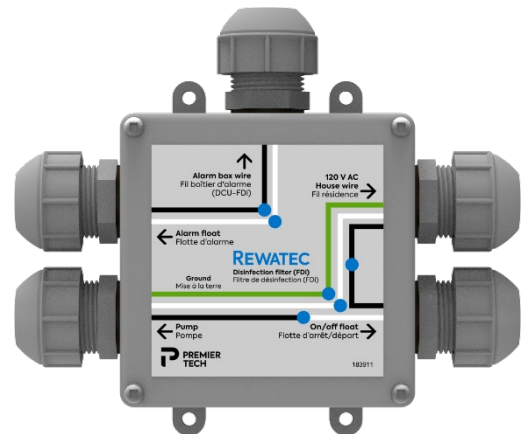
### 4.2 Electrical connections

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 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 applications, refer to your Premier Tech 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 team 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 team.

### 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 team.

### 5.4 Backflow



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

### 5.5 Odours



All septic systems can 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 team for help identifying the problem.

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



#### PT Water and Environment

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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 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 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 entitled to exercise the same rights as the Customer under the law.

For a commercial, community, institutional or municipal installation, please refer to your treatment system warranty provided by your Premier Tech's 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 for EC, EC5, EC7, ST, and STB model series (except ST and STB models with a 100% peat filtering medium 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 medium of the Ecoflo biofilter shall function properly – including treatment performance and the absence of clogging and excess sludge that could negatively affect system performance 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 three (3) years (parts and labor), 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 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, 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 for the ongoing, 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 medium 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.

#### 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

The Ecoflo biofilter can be found in different model series, which are ST, STB, EC, EC5, and EC7. 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

<b>STB</b>	-	<b>570</b>	<b>PR</b>																						
<p><b>Shell and pump:</b>                  Not mentioned = Fiberglass shell                  B = Concrete shell with gravity discharge                  BA = Concrete shell with gravity discharge &amp; ready to use                  BR = Concrete shell with pump                  BRA = Concrete shell with pump &amp; ready to use                  P = Polyethylene shell ready to use                  PR = Polyethylene shell with pump &amp; ready to use</p>																									
<p><b>Capacity:</b></p>		<table border="1"> <thead> <tr> <th></th> <th>Demand dosed</th> <th>Time dosed</th> </tr> </thead> <tbody> <tr> <td>500 = 450 US gal/d</td> <td>1,600 L/d or 2,000 L/d</td> <td></td> </tr> <tr> <td><b>570 = 520 US gal/d</b></td> <td><b>1,755 L/d or 2,200 L/d</b></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> <tr> <td>840 = 780 US gal/d</td> <td>2,600 L/d or 3,250 L/d</td> <td></td> </tr> </tbody> </table>		Demand dosed	Time dosed	500 = 450 US gal/d	1,600 L/d or 2,000 L/d		<b>570 = 520 US gal/d</b>	<b>1,755 L/d or 2,200 L/d</b>		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		840 = 780 US gal/d	2,600 L/d or 3,250 L/d		<p>USA</p>	<p>Canada</p>
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<p><b>Discharge method:</b>                  ST = Open or perforated bottom (infiltration under the <u>biofilter</u>)                  STB = Watertight bottom (gravity or pumped discharge)</p>				<p><b>Example:</b>                  STB-570PR refers to a polyethylene, ready-to-use Ecoflo with a watertight bottom. This model is designed for 1,260 litres per day (L/d) or three bedrooms.</p>																					

## EC5 model series (maximum applicable HLR 500 L/m<sup>2</sup> per day or 12.25 US gal/ft<sup>2</sup> per day)

<b>EC</b>	<b>C</b>	-	<b>500</b>	-	<b>P</b>	<b>DV</b>	-	<b>PACK</b>	-	<b>USA</b>
<p><b>Territory:</b>                  CAN = Canada: flow in L/d                  USA = United States: flow in US gal/d</p>										
<p><b>Configuration:</b>                  PACK = One piece monobloc configuration                  No mention = Stand alone biofilter</p>										
<p><b>Discharge method:</b>                  G = Gravity                  O = Open bottom (perforated)                  P = With integrated pump</p>										
<p><b>Capacity:</b>                  370 US gal/d or 1400 L/d                  400 US gal/d or 1500 L/d                  450 US gal/d or 1700 L/d  <b>500 US gal/d or 2050 L/d</b>                  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><b>Shell:</b>                  C = Concrete                  F = Fibreglass                  P = Polyethylene</p>										
<p>EC = Ecoflo Coco</p>										
<p><b>Example:</b>                  ECC-500-P (PACK) refers to an Ecoflo system with a filtering medium made of coconut husk fragments. The shell is made of polyethylene, the daily flow capacity is 500 US gal/d, there is an integrated pump, the bottom of the unit is watertight, and the primary/septic tank and biofilter are combined in one monobloc configuration.</p>										

## EC7 model series (maximum applicable HLR 700 L/m<sup>2</sup>d or 17.2 gal/ft<sup>2</sup>d)

EC7 - 600 - P - P - DV - PACK - USA

**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

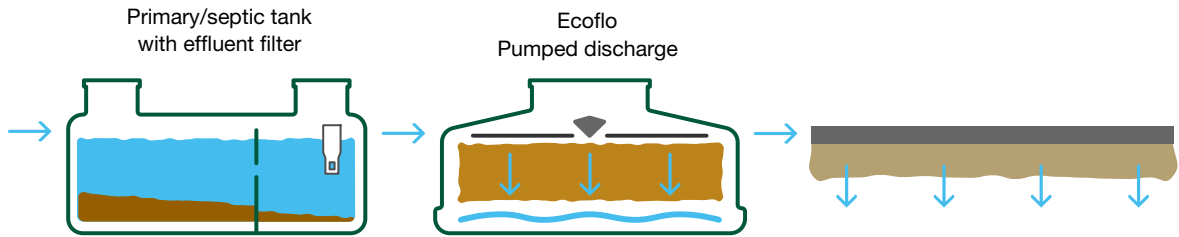
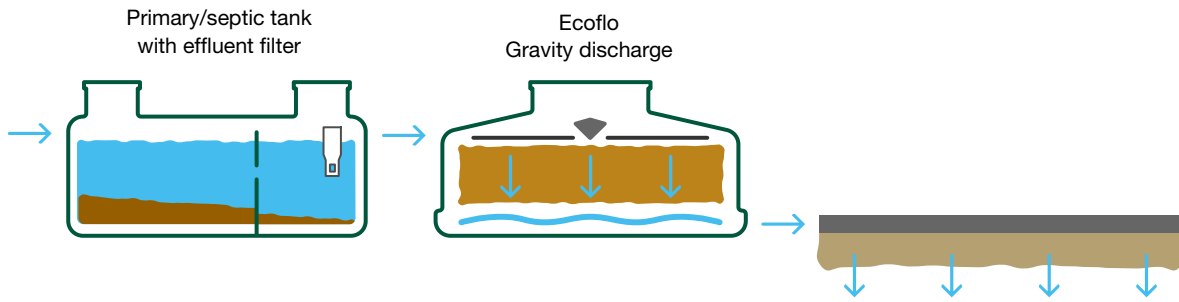
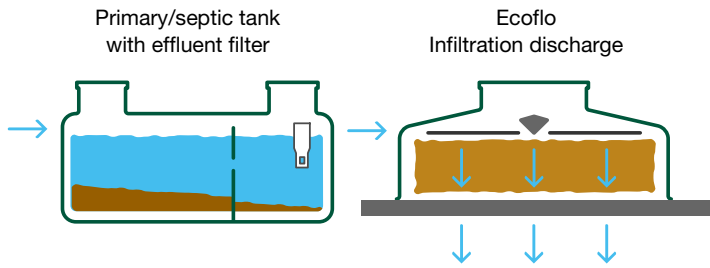
1350 US gal/d or 5000 L/d

EC = Ecoflo Coco

**Example:**

EC7-600-P-P-PACK refers to an Ecoflo system with a filtering medium made of coconut husk fragments. The shell is made of polyethylene, the daily flow capacity is 600 US gal/d, there is an integrated pump, the bottom of the unit is watertight, and the primary/septic tank and biofilter are combined in one monobloc configuration.

## Appendix 2 – Installation diagrams



# 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  
[warranty.ptwe.na@premiertech.com](mailto:warranty.ptwe.na@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 31<sup>st</sup> of every year) to benefit from the protections of the product's warranty and ensure compliance of my system.

\_\_\_\_\_  
Signature Date