

# Ecoflo® Biofilters Fiberglass (Open bottom or with collecting bottom)

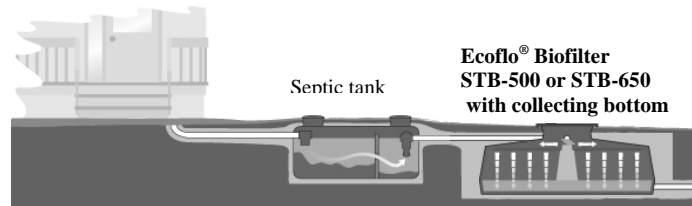
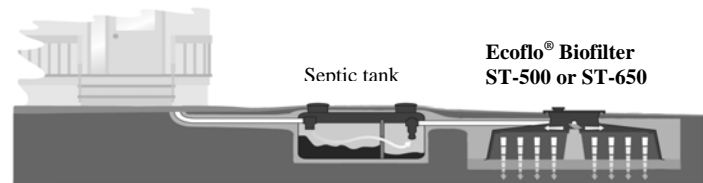
## Owner's Manual – USA Standard

*Congratulations on your purchase of an Ecoflo® Biofilter. In choosing the Ecoflo® Biofilter, you have wisely chosen to protect your health as well as the environment. This manual contains information on system operation and maintenance, guidelines for use and warranties for models ST-500/650, STB-500/650. For additional information, contact our customer service at 1 800 6 Ecoflo (1 800 632-6356)*

## Operating Principle

The Ecoflo® Biofilters ST-500, ST-650, STB-500 and STB-650 are made of a durable fiberglass shell enclosing a natural filtering media especially treated to purify the wastewater coming from a septic tank, before its discharge in the environment.

Your complete Ecoflo® Biofilter system includes a septic tank, one or more Biofilters and, depending on the type of installation, an effluent filter, a pumping station, a flow divider.



## Guidelines for Use

To ensure optimum treatment efficiency of operation of any septic installation (Ecoflo® Biofilter, Leach field, etc.), you should always:

**It is strongly recommended NOT to discharge any of the following substances into the sewer:**

- water softener backwash
- oil and grease (engine oil, cooking oil, etc.)
- wax and resin
- paint and solvent
- petroleum products
- pesticide of any kind
- any kind of septic tank additive
- toxic substance
- anything not easily biodegradable (e.g. coffee beans, cigarette butts, sanitary napkins, tampons, condoms).



## AND NEVER:

- **Never cover or bury the access lid of the Ecoflo® Biofilter**
- **Never open or enter the Ecoflo® Biofilter without prior authorization.**
- **Never plant trees within 10' of the Ecoflo® Biofilter.**
- **Never connect a drainage pipe, roof gutter or sump pump to the septic system.**
- **Never overload your septic installation with blown snow. The surcharge can cause damage to your system.**
- **use an automatic toilet bowl cleaner**
- **use a garbage disposal or sewage pump (upstream of the septic tank). (In this case, an Effluent Filter EFT-080 is mandatory. Call Premier Tech Environment's (PTE) customer service for information.)**

## What You Should Know

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### Keep heavy weights off your septic installation

Never drive vehicles or place objects weighing over 500 lb within 10' of your system's lid. If you are planning to do some landscaping or any other type of work, **make sure you advise those involved** so they do not damage your septic system.

**Do not shovel or blow snow that would accumulate on top of the septic system.** The overload could cause damage. Mark/indicate the location of your system's components.

### About your home

Your home must be equipped with a working air vent, and plumbing must conform to the local building Code. Any change in the use or function of your home, or any modification to your **Ecoflo® Biofilter system** must be authorized by the local authorities, and **Premier Tech Environment (PTE)** must be informed. The warranty for the **Ecoflo® Biofilter** will be void if this condition has not been fully respected.

## Maintenance

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### ECOFLO® BIOFILTER

The owner of a biofiltration system **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 representative, and **a copy of the contract must be filed with the local authorities** where the system is located.

Because annual maintenance is essential to the proper functioning of the **Ecoflo® Biofilter**, it comes with a *maintenance agreement* binding **PTE** to service the **Ecoflo® Biofilter**, free of charge once a year for the first eight (8) years following the date of installation (7 annual services). At the end of this 8 year contract, the filtering media of your **Ecoflo® Biofilter** will have to be replaced and the maintenance agreement renewed for a period and a cost to be determined by **PTE**. Every **Ecoflo® Biofilter** sold has to be serviced annually for the duration of its useful life.

Annual maintenance is carried out by **PTE** or an authorized agent. This service includes a visual inspection of all components and raking of the **Biofilter** to ensure the system is functioning properly. **Easy access to your system's lid is essential for maintenance and for filtering media replacement purposes.** You will be given a maintenance record after each inspection, which you shall keep with this manual in a safe place.



**The filtering media must be replaced** when it can no longer assure its filtering performances, as determined by one of **PTE's** specialists, depending on use and compliance with the above guidelines. The filtering media is easily pumped out with a regular sewage disposal truck. The new filtering media must be installed by an authorized agent. Easy access to the lid is essential for maintenance purposes.

### SEPTIC TANK

Emptying your septic tank as instructed helps to keep your septic system in proper working order. We recommend that you keep proof of pumping (invoice) with this owner's manual so as to keep a record of complete system maintenance. The pumping standards of the septic tank prescribed by local authorities must be respected.

## What to do in Case of...

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### **Flooding**

Certain sites are prone to flooding or high groundwater level, which can cause malfunctioning of the **Ecoflo® Biofilter** or any other septic system. If this happens, contact **Premier Tech Environment**.

### **Backflow**

Backflow rarely occurs in homes. It is generally caused by the septic tank. Your septic system installer or septic tank pumper can usually take care of the situation.

### **Odours**

The positioning of the air vent, as well as other factors unrelated to the **Ecoflo® Biofilter** can prevent proper dispersion of septic gases and lead to odours. If this happens, contact **Premier Tech Environment** for solutions.

**FOR ANY PROBLEM, QUESTION OR COMMENT,  
DO NOT HESITATE TO CONTACT  
OUR CUSTOMER SERVICE AT 1-800-632-6356**

For further information or comment, please contact our customer service:



**Premier Tech  
Environment**

1, avenue Premier, Rivière-du-Loup (Québec) G5R 6C1 CANADA

☎ 1.800.632.6356 / 418.867.8883

☎ 418.862.6642

@ PTE@PREMIERTECH.COM

🌐 WWW.PTEENV.COM

The content of this guide is based upon the latest information available at the time of printing and is aimed at providing a general introduction to Premier Tech's products. No warranty or representation is hereby made by Premier Tech as to the accuracy of said information. Premier Tech is continually updating and improving its products and reserves the right to amend, discontinue, alter or change specifications and prices without prior notice.

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# Certificate of Warranty for the Ecoflo® Biofilters

## ST-500, ST-650, STB-500 AND STB-650

### 1. PREAMBLE

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

For the purposes of this warranty, "Customer" shall mean the person who has acquired (hereinafter called "Initial Purchaser") an **Ecoflo® Biofilter** ST-500, ST-650, STB-500 or STB-650 as well as any Subsequent Purchaser (hereinafter called "Subsequent Purchaser(s)"), according to the dispositions of paragraph 8 of this present warranty. "Successor" shall mean any other person entitled to exercise Customer's rights under the law.

### 2. NATURE OF THE WARRANTY

Premier Tech warrants to the Customer that the filtering media of the **Ecoflo® Biofilters** ST-500, ST-650, STB-500 and STB-650 will function properly for a period of eight (8) years starting on the date of purchase by the Initial Purchaser.

Premier Tech also warrants the performances of the fibreglass and other components of the **Ecoflo® Biofilters** ST-500, ST-650, STB-500 and STB-650 against any manufacturing defects for a period of ten (10) years starting on the date of purchase by the Initial Purchaser.

This warranty of effectiveness, sound manufacture and durability is given by Premier Tech to the Customer in addition to the legal warranties or other Customer's rights in accordance to any applicable law, but does not alter them in any way.

The conventional warranty of Premier Tech is expressly limited to the text of this certificate and is valid if the Biofilter installation has been made 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** ST-500, ST-650, STB-500 or STB-650.

Such notice must be given by mail 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 such notice, Premier Tech will examine the situation and, if necessary, take appropriate corrective measures in accordance with the terms of the present 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, earthquake, flood, hurricane, landslide, explosion or dynamiting;

(b) Any damage or problem caused by the fault or act of a third party;

(c) Any damage or problem arising from a defective installation carried out by a person authorized by Premier Tech, or any installation, modification, correction or addition carried out by a person not authorized by Premier Tech;

(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** ST-500, ST-650, STB-500 or STB-650 without Premier Tech's prior written approval;

(e) Any damage or problem caused by the use of a septic tank which does not comply with the applicable regulations and/or with Premier Tech's specifications, as described in this owner's manual;;

(f) Any damage or problem, if it is demonstrated that the **Ecoflo® Biofilter** ST-500, ST-650, STB-500 or STB-650 was not used in accordance with the instructions and guidelines contained in the owner's manual;

(g) Any damage or problem, if the maintenance of the **Ecoflo® Biofilter** ST-500, ST-650, STB-500 or STB-650 has not been executed by a person authorized by Premier Tech in accordance with the maintenance agreement;

(h) Any damage or problem caused by the fault or action 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 has modified or changed the use of the property served by the **Ecoflo® Biofilter(s)** 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 during the works performed in order to access to the **Ecoflo® Biofilter** ST-500, ST-650, STB-500 or STB-650, including, without limiting the generality of the foregoing, excavation, snow-removal or demolition.

(k) Any damage or problem arisen from site and/or soil prior condition not reported or not properly reported to Premier Tech by the Customer or the person performing 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** ST-500, ST-650, STB-500 or STB-650 sold, or attempt to carry out any work whatsoever to apply any corrective measures whatsoever to said work, before notifying Premier Tech in accordance with the provisions of

# **Certificate of Warranty for the Ecoflo® Biofilters**

## **ST-500, ST-650, STB-500 AND STB-650**

section 3 of this warranty and before Premier Tech has visited the site, within a reasonable time following receipt of said notice.

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** ST-500, ST-650, STB-500 or STB-650 sold, 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**

Premier Tech's liability and obligations under this warranty shall be in any event limited to the replacement of the filtering media and/or of one or several components of the **Ecoflo® Biofilter** ST-500, ST-650, STB-500 or STB-650 as well as the supply of the required labor, if applicable in accordance with sections 3 and 4.

### **7. LIMITATION OF LIABILITY**

Premier Tech may in no way be held liable for any other damage sustained by the Customer. Premier Tech's compensation or indemnification obligation shall be limited to the provisions of section 6 of this warranty.

### **8. TRANSFER OF OWNERSHIP**

In the event of transfer of ownership, sale, assignment or any other type of disposition of Customer's property to a third party, this warranty shall continue to apply only if the Subsequent Purchaser or its Successor confirms, by transmitting to Premier Tech the attached "Notice of Warranty Transfer", 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 warranty certificate and accepts its terms and conditions.

The person proceeding to the transfer of the property, sale, assignment or any other type of disposition, undertakes to

hand over to the Subsequent Purchaser or its Successor, the warranty certificate remitted upon completion of the work, as well as the owner's manual and the maintenance and environmental monitoring program for the **Ecoflo® Biofilter** ST-500, ST-650, STB-500 or STB-650.

Default to respect the conditions of the present Section 8 may cause, at Premier Tech's discretion, abandonment or rejection of the present warranty.

### **9. INSPECTION**

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

If the Customer or the Customer's Successors requests to Premier Tech under this warranty and that it is found after inspection and verification that the **Ecoflo® Biofilter** ST-500, ST-650, STB-500 or STB-650 is performing in accordance with the standards and specifications of Premier Tech, a minimum charge of \$ 150.00 USD plus direct expenses shall be paid by the Customer and/or the Customer's Successors for the cost of such inspection. Otherwise, no charge shall be billed by Premier Tech.

### **10. PRIORITY OF THE CERTIFICATE OF WARRANTY**

This warranty supersedes any contracts or understandings, written or verbal, entered into between the Customer and Premier Tech.

In case of contradiction between this warranty and any other documents and/or contracts entered into between the Customer and Premier Tech, this warranty shall prevail.

### **11. SUBSEQUENT PURCHASER AND SUCCESSORS**

Subject to the provisions of this warranty and of section 8 in particular, this warranty shall continue to apply to the Subsequent Purchasers and Customer's Successors and shall continue to have full effect until the end of the agreed warranty period provided for in section 2 of this certificate.

**Notice of Warranty Transfer**

Name of the previous Owner : \_\_\_\_\_

I, the undersigned \_\_\_\_\_ hereby declare that I have acquired the property located at

\_\_\_\_\_

*number street*

*City*

*Province*

\_\_\_\_\_

*Postal code*

(\_\_\_\_) \_\_\_\_\_

*Phone number*

I have read and I understand the warranty provided by Premier Tech Technologies Ltd for the Ecoflo® Biofilter. I wish to benefit from this warranty for the remaining period, if any, and from the date of the transfer of ownership, that is \_\_\_\_\_; I accept to be bound by this warranty and by any and all of the clauses, undertakings and conditions set forth therein; I have had the opportunity to examine the Ecoflo® Biofilter and declare myself satisfied with it at the time of this transfer. I ask Premier Tech Technologies Ltd to take note of this transfer of ownership.

Signature : \_\_\_\_\_

Date : \_\_\_\_\_

Name of new owner: (print) \_\_\_\_\_

Language preference:  english  french

New owner's E-mail address: \_\_\_\_\_  
(if available)