



Douglas A. Ducey
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Misael Cabrera
Director

Notice of Proprietary Treatment Product Listing Pursuant to Arizona Administrative Code R18-9-A309(E) ADEQ File No. 20150133

1. Proprietary Treatment Product Name, Model, and Description

Product Name: Ecoflo Coco Filter EC7 Series

Models: 500, 600, 700, 850, 1050, 1200, 1350, and 1500

Description: The Coco Filter is a trickling natural fibrous filter media attached growth aerobic treatment of septic tank effluent. This listing is applicable for design flows up to 24,000 gpd.

2. Manufacturer Information

Name: Premier Tech Aqua

Address: 1 Avenue Premier

City/State/Zip: Riviere-du-coup, QC, G5R 6C1, Canada

Phone: (418) 867-8883

Fax: (418) 862-6642

Website: <http://www.premiertechaqua.com/>

3. Recognized Treatment Performance

Parameter	Averaging Time	Parameter Value for Averaging Time
5-Day Biochemical Oxygen Demand (BOD ₅), mg/l	30-day arithmetic mean	6
Total Suspended Solids (TSS), mg/l	30-day arithmetic mean	8
Total nitrogen as nitrogen(TN), mg/l	five-month arithmetic mean	53
Total coliform, colony forming units/100ml	95th percentile	100,000

4. Product Applicability and Limitations for Use for a Recognized General Permit Technology

Applicability: This listing is for only the Coco Filter and is listed as Peat Filter treatment technology specified in A.A.C. R18-9-E311. This product shall be used in conjunction with a septic tank for pretreatment.

Limitations:

- A. The product, including the pretreatment works, is subject to A.A.C. R18-9-A312(F)(2) through (4).
- B. The product shall only treat septic tank effluent or better quality.
- C. The maximum loading rate is 17.2 gallons per day per square foot
- D. The product shall conform the following:

Maximum Design Flow (gallons per day) per R18-9-A309(B)(3)	Manufacturer's Model Number
500	EC7 -500
600	EC7 -600
700	EC7 -700
850	EC7 -850
1050	EC7 -1050
1200	EC7 -1200
1350	EC7 -1350
1500	EC7 -1500

- E. This listing EXCLUDES appurtenances which are considered to be an alarm, control panel, control, switch, timer, wiring, other electrical devices, and installation components; which are subject to both the manufacturer specifications and any more restrictive requirement in 18 A.A.C. 9, Article 3.
- F. This listing is for residential strength wastewater.
- G. The manufacturer recommends inspection of the media around year 8 of service in addition to the routine maintenance.

5. Alternative Criteria and Exceptions for Use under the Recognized General Permit Technology

Alternative:	None
Exception:	The media loading rate shall not exceed 17.2 gallons per day per square foot of filter media.

6. Documents Used as the Basis for this Proprietary Treatment Product Listing Notice

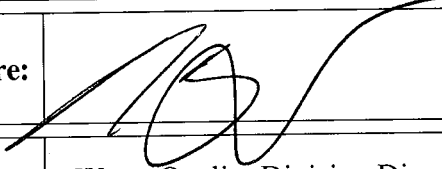
Application for Treatment Product Listing:	5/15/2015 (NOTE 1)
3 rd Party Test data:	NSF – Premier Tech Aqua Ecoflo Coco Filter, EC7 Model Series, October, 2015.
Installation Instructions:	Ecoflo Coco Filter, Installation Guide - USA, dated May 7 th , 2014.
Manufacturer's Warrantee:	Ecoflo Coco Filter, Residential Owner's Manual and Warrantee, dated April 30 th , 2014.
Manufacturer's Specifications:	Ecoflo Coco Filter, Product Technical Data Sheets, dated May 29 th , 2014.
Manufacturer's Design Calculations & Drawings:	Ecoflo Coco Filter, Product Technical Data Sheets, dated May 29 th , 2014.
Operation & Maintenance Manual:	Ecoflo Coco Filter, Residential Owner's Manual and Warrantee, dated April 30 th , 2014.

NOTE 1 – This document is an integral part of this Proprietary Treatment Product Listing Notice and is included in the Arizona Department of Environmental Quality website at:

<http://www.azdeq.gov/environ/water/engineering/product.html>

7. Terms and Conditions for this Proprietary Treatment Product Listing Notice

- A. This Notice of Proprietary Treatment Product Listing shall remain in effect until any of the following occurs:
- i. Applicable provisions of the Arizona Administrative Code, Title 18, Chapter 9, Article 3 are revised;
 - ii. Documents used for the basis of this listing are altered or modified;
 - iii. Manufacturer claims which are relied upon for this listing are later determined to contain an error or omission;
 - iv. The manufacturer requests termination of this listing;
 - v. A listing error or omission is identified; or
 - vi. The manufacturer and ADEQ mutually agree to reissue this notification to incorporate correction or update for any reason.
- B. This Notice of Proprietary Treatment Product Listing does not apply when the:
- i. Listed proprietary treatment product is modified or operated in a manner that conflicts with Arizona law or the documents used for the basis of this listing action in Section 6.
 - ii. Listed proprietary treatment products is used in a manner that cannot be achieved the performance in Section 3 above.
- C. This Notice of Proprietary Treatment Product Listing applies solely to the product specified in Section 1 above.
- D. The manufacturer is responsible for notifying the ADEQ of changes to contact information at the following address:
Attention: Product Listing Supervisor
Engineering Review Desk,
1110 West Washington Street
Phoenix, AZ 85007.
- E. The listing by ADEQ of any proprietary product or service is not an endorsement by ADEQ or the State of Arizona. ADEQ does not endorse, represent, guarantee, warranty or defend the use of any product which is authorized for use pursuant to A.A.C. R18-9-A309(E). Product providers are a direct source unrelated to ADEQ or the State of Arizona. Use of any listed product is at the user's risk and the State assumes no liability.

Signature:		Date Signed:	12-14-15
Title:	Water Quality Division Director		