



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 LTF #69646

1. Proprietary Treatment Product Name, Model, and Description

Product Name: Ecoflo Coco Filter EC7 Series Stand-Alone or Pack

Models: 500, 600, 700, 750, 850, 1050, 1200, 1350, and 1500

Description: The Coco Filter is a trickling natural fibrous filter media attached growth aerobic treatment of primary treated effluent from a monobloc configuration (Pack unit) or independent septic tank (stand-alone). This listing is applicable for design flows up to 24,000 gpd.

2. Manufacturer Information

Name: Premier Tech Aqua

Address: 1881 West North Temple

City/State/Zip: Salt Lake City, UT, 84116

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	8
Total Suspended Solids (TSS), mg/l	30-day arithmetic mean	6
Total nitrogen as nitrogen(TN), mg/l	five-month arithmetic mean	53
Total coliform, colony forming units/100ml	95th percentile	100,000

Main Office

1110 West Washington Street • Phoenix, AZ 85007
(602) 771-2300

Southern Regional Office

400 West Congress Street • Suite 433 • Tucson, AZ 85701
(520) 628-6733

www.azdeq.gov

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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 in either a pack unit or as a stand-alone unit.

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 primary or septic tank effluent or better quality offering a minimum holding capacity of 1.5 day.
- C. The maximum loading rate is 17.2 gallons per day per square foot
- D. The product shall conform to the following:

Maximum Design Flow (gallons per day) per R18-9-A309(B)(3)	Manufacturer's Model Number (Stand-alone polyethylene or concrete containment) Pump or Gravity Disposal	Manufacturer's Model Number (Pack Unit) Pump or Gravity Disposal
500	EC7 -500	EC7 -500
600	EC7 -600	EC7 -600
750		EC7-750
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.
- H. The requirement of R18-9-A312(B)(4)(e) has been met by providing twenty four hour emergency storage of wastewater within the unit itself.
- I. An open bottom discharge is excluded.

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

Alternative:	None
Exception:	<p>a. The media loading rate shall not exceed 17.2 gallons per day per square foot of filter media.</p> <p>b. When the wastewater does not meet the definition of typical sewage as defined in R18-9-101(42), a Manufacturer’s Design Review Report shall be submitted for review and approval along with the Notice of Intent to Discharge. This Design Review Report shall specify component capacities, control settings, and supplemental installation & operational practices.</p>

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

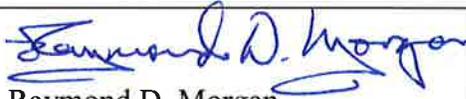
Application for Treatment Product Listing:	12/18/2017 (NOTE 1)
3 rd Party Test data:	NSF – Premier Tech Aqua Ecoflo Coco Filter, EC7 Model Series, October, 2015.
Installation Instructions:	Ecoflo Coco Pack Installation Guide - USA, dated 02/05/2017, Ecoflo Coco Filter, Installation Guides Polyethylene (04/24/2017 and Concrete Units (09/03/2016) – USA.
Manufacturer’s Warrantee:	Ecoflo Biofilter, Residential Owner’s Manual and Warrantee, dated 03/01/2018
Manufacturer’s Specifications:	Ecoflo Coco Filter – Polyethylene -Pack, Product Technical Data Sheets, dated 04/08/2016. Ecoflo Coco Filter – Polyethylene Product Technical Data Sheets, dated 08/12/2015. Ecoflo Coco Filter – Concrete Product Technical Data Sheets, dated 09/03/2016.
Manufacturer’s Design Calculations & Drawings:	Ecoflo Coco Filter – Polyethylene -Pack, Product Technical Data Sheets, dated 04/08/2016 Ecoflo Coco Filter - Polyethylene Product Technical Data Sheets, dated 08/12/2015. Ecoflo Coco Filter - Concrete Product Technical Data Sheets, dated 03/29/2016.
Operation & Maintenance Manual:	Ecoflo Coco Filter, Maintenance, Sampling and Troubleshooting Guide, dated 04/07/2016.

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:

[Proprietary Product List](#)

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 are used in a manner that cannot achieve 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 ADEQ of changes to the 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:	 Raymond D. Morgan	Date Signed:	2/13/18
Title:	Environmental Engineer		

ADEQ LTF # - 69646
Reviewer: Raymond Morgan