



SUSTAINABLE WASTEWATER TREATMENT SOLUTION FOR SMALL COMMUNITIES

ECOFLO[®]

Biofilters with coconut husks fragments

25
year
OF SUSTAINABLE
DEVELOPMENT

POLYETHYLENE
25 TO 200 PE



ECOFLO[®]

From
25
PE

to
200
PE

READY-TO-INSTALL SOLUTION

1

MILLENNIUM SEPTIC TANK

Primary treatment

2

COCONUT FRAGMENTS FILTER

Secondary treatment

Pre-filtrer
PF525

Filter
lids

Internal
flow
distributor

 Installation at
groundwater
level
Height of water table
to filter inlet

Tipping
bucket

Distribution
plates

Coconut fragments



Natural and
vegetal filtration



Experience
and research



Excellent
treatment
performance



Filter medium
renewable and
recyclable



Replacement of
medium filtering
without excavation work

TREATMENT PERFORMANCE

PARAMETERS	Discharge requirements		
	CONCENTRATION	MINIMUM PERFORMANCE	TREATED EFFLUENT
BOD ₅	25 mg O ₂ /L	70-90 %	10 mg O ₂ /L (97 %)
COD	125 mg O ₂ /L	75 %	85 mg O ₂ /L (88 %)
TSS	35 mg/L	75 %	13 mg/L (96 %)

Tests carried out in the laboratory on raw water at 361 mg/L of TSS, 310 mg/L of BOD₅ and 706 mg/L of COD. Average concentrations of 26 assessments carried out according to the requirements of EN 12 566-3.

 **PREMIER
TECH**

undertakes to comply
with the legal
requirements in force.



Adapts to seasonality

Thanks to the unique characteristics of the coconut husk filter medium



Adapts to load variations



Ease of operation

Easy access for assembly and adjustments



No electricity

Passive treatment without electricity



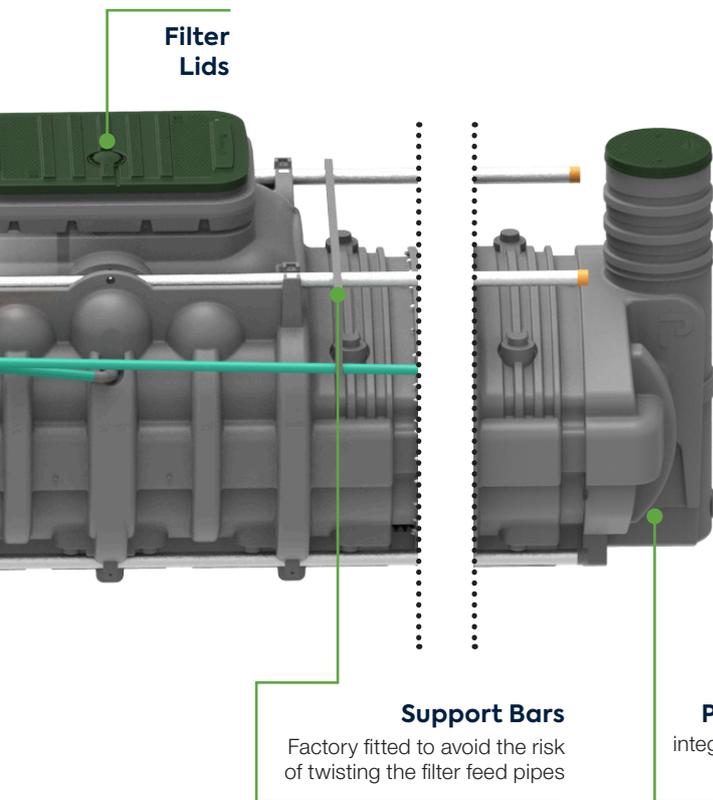
Easy to install

Low weight, delivered ready to install



Compact

Surface deployment relatively low in comparison with other compact technologies



Filter Lids

Support Bars

Factory fitted to avoid the risk of twisting the filter feed pipes

Pump station

integrated in the filter (pump optional)

Internal flow distribution

Factory fitted to each filter:

- Easy to clean
- Easy access (large removable lid), intuitive, tool-free adjustment



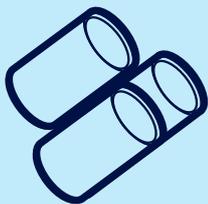
Ventilation integrated in the lid



Lid

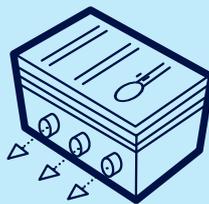
Wide access (1200 x 800) for easy maintenance

SUPPLIED WITH EACH FILTER

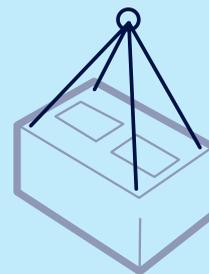


PVC PIPES PN16

Power supply to buckets
Supplied and installed



INTERNAL FLOW DISTRIBUTOR



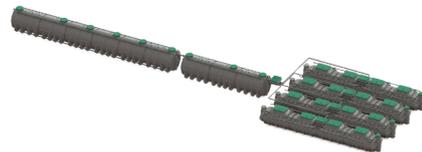
LIFTING STRAPS

EAN13	CAPACITY	SEPTIC TANK	DISTRIBUTION BOX	ECOFLO BIOFILTERS
5600379811945	26 PE	1 x 12 m ³	—	1 x 26 PE
5600379811952	38 PE	1 x 20 m ³	—	1 x 38 PE
5600379811969	50 PE	1 x 25 m ³	—	1 x 50 PE
5600379812553	52 PE	1 x 25 m ³	1 x 2-way	2 x 26 PE
5600379811976	76 PE	1 x 35 m ³	1 x 2-way	2 x 38 PE
5600379812560	78 PE	1 x 35 m ³	1 x 3-way	3 x 26 PE
5600379811983	100 PE	1 x 45 m ³	1 x 2-way	2 x 50 PE
5600379812577	104 PE	1 x 45 m ³	1 x 4-way	4 x 26 PE
5600379811990	114 PE	1 x 55 m ³	1 x 3-way	3 x 38 PE
5600379812003	150 PE	1 x 50 m ³ + 1 x 20 m ³	1 x 3-way	3 x 50 PE
5600379812584	152 PE	1 x 50 m ³ + 1 x 20 m ³	1 x 4-way	4 x 38 PE
5600379812010	200 PE	1 x 50 m ³ + 1 x 40 m ³	1 x 4-way	4 x 50 PE

Consult us for other configurations.



ECOFLO BIOFILTER 26 PE



ECOFLO BIOFILTER 200 PE

MAKING A DIFFERENCE FOR WATER AND THE ENVIRONMENT

At Premier Tech, People and Technologies connect in lasting, transformative ways, giving life to products and services that help feed, protect, and improve our world.

Our teams of specialists are constantly innovating, redefining the limits of the possible through effective, efficient, and sustainable solutions. Driven by a shared passion, we are committed to protecting our resources for the future.



PT Water and Environment

Rua da Cerâmica – Broega
2870-502 MONTIJO PORTUGAL
+351 21 192 67 20
info.ptwe.po@premiertech.com
PT-WaterEnvironment.pt



The information contained in this document was current and consistent with the information available at the time of publication. Premier Tech Water and Environment Unipessoal Lda makes no warranties or representations as to its accuracy. Due to its policy of continuous improvement, Premier Tech Water and Environment Unipessoal Lda reserves the right to alter and/or discontinue manufacture of any product and/or to modify technical data and prices, for any reason and at its sole discretion, without further notice and without liability to anyone in this regard. ECOFLO®, PREMIER TECH® and PREMIER TECH & DESIGN™ are trademarks of Premier Tech Ltd. or its affiliates. Ecoflo® is protected by patents: CA2499637; US7097768; ES2285173; EP1539325 (BE, FR). Notice issued on 2019-01-11. For current information on all applications and patents for this product or any part of it, see patentmarking.premiertech.com (reference: 3685).

© 2022 Premier Tech Ltd. All rights reserved.
Printed in Portugal

Portugal
20220721