

TREATMENT PERFORMANCE RESULTS

Premier Tech Aqua Ltd.
Quartertown Industrial Estate, Mallow, Co. Cork, Ireland

EN 12566-6
Results corresponding to EN 12566-6 and S.R. 66
PIA-SR66-1603-1042-6.02

ECOFLO Media filter

Nominal organic daily load	0.24 kg/d		
Nominal hydraulic daily load	0.75 m ³ /d		
Material	Polyethylene		
Watertightness	Pass		
Structural behaviour (Pit Test)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	84.2 %	57.7 mg/l
	BOD ₅	96.6 %	5.4 mg/l
	NH ₄ -N	87.6 %	10.5 mg/l
	SS	91.8 %	5.4 mg/l
Number of desludging	Not more than once		
Electrical consumption	0.1 kWh/d*		

*If operated in gravity flow conditions, the electrical consumption is 0 kWh/d.

Performance tested by:

**PIA – Prüfinstitut für
Abwassertechnik GmbH**
(PIA GmbH)
Hergenrather Weg 30
52074 Aachen, Germany

CSTB

Centre Scientifique et technique du Batiment
11, rue Henri Picherit
44323 Nantes cedex 3, France

This document replaces neither the declaration
of performance nor the CE marking.



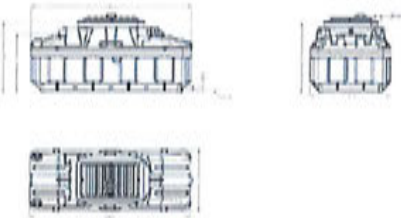
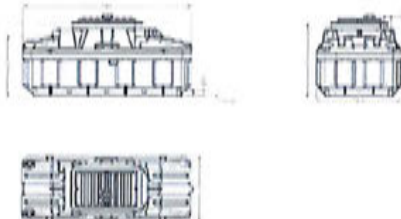
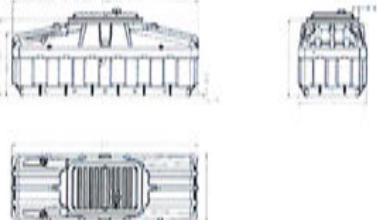
Notified Body
No.: 1739



Verschitz / Wermter

November 2019

ECOFLO range and its referring test reports:

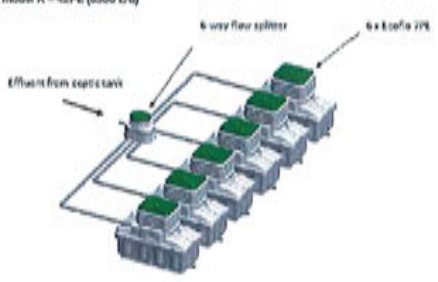
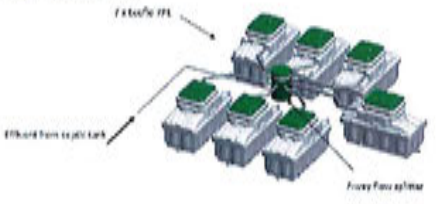
Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial Type Test (ITT) 5 750 l/d	<p>Model A (ITT) – 5PE (750 LA) ECOFLO® Serie 4-5PE</p> 	<p>Pass</p> <p>CAPE-AT-13-250</p>	<p>Pass</p> <p>CAPE AT 16-024-1 - V1 (EN 12566-3)</p>	<p>Pass</p> <p>For wet ground conditions also, 0.30 m installation depth from inlet invert</p>	<p>Pass</p> <p>CAPE-AT-14-143</p>
4 - 5 750 l/d	<p>Model A (ITT) – 5PE (750 LA) ECOFLO® Serie 4-5PE</p> 	<p>Pass</p> <p>CAPE-AT-13-250</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>For wet ground conditions also, 0.30 m installation depth from inlet invert</p>	<p>Pass</p> <p>CAPE-AT-14-143</p>
6 – 7 1,050 l/d	<p>Model B – 6-7PE (1050 LA) ECOFLO® Serie 6-7PE</p> 	<p>Pass</p> <p>CAPE-AT-13-250</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>PIA2015-ST-PIT-1412-1074.01</p> <p>For wet ground conditions also, 0.30 m installation depth from inlet invert</p>	<p>Pass</p> <p>CAPE-AT-14-143</p>

Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
10 1,500 l/d	<p>Model C – 10PE (1500 L/d)</p> <p>Effluent from septic tank</p> <p>2-way flow splitter</p> <p>2 x Ecoflo 5PE</p>	Pass CAPE-AT-13-250	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.30 m installation depth from inlet invert	Pass CAPE-AT-14-143
14 2,100 l/d	<p>Model D – 14PE (2100 L/d)</p> <p>Effluent from septic tank</p> <p>2-way flow splitter</p> <p>2 x Ecoflo 7PE</p>	Pass CAPE-AT-13-250	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.30 m installation depth from inlet invert	Pass CAPE-AT-14-143
15 2,250 l/d	<p>Model E – 15PE (2250 L/d)</p> <p>Effluent from septic tank</p> <p>3-way flow splitter</p> <p>3 x Ecoflo 5PE</p>	Pass CAPE-AT-13-250	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.30 m installation depth from inlet invert	Pass CAPE-AT-14-143
21 3,150 l/d	<p>Model F – 21PE (3150 L/d)</p> <p>Effluent from septic tank</p> <p>3-way flow splitter</p> <p>3 x Ecoflo 7PE</p>	Pass CAPE-AT-13-250	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.30 m installation depth from inlet invert	Pass CAPE-AT-14-143



Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
25 3,750 l/d	<p>Model G – 25PE (3750 L/d)</p> <p>5 x Ecoflo 5PE</p> <p>Effluent from septic tank</p> <p>5-way flow splitter</p>	Pass	Pass	Pass	Pass
28 4,200 l/d	<p>Model H – 28PE (4200 L/d)</p> <p>4-way flow splitter</p> <p>4 x Ecoflo 7PE</p> <p>Effluent from septic tank</p>	Pass	Pass	Pass	Pass
30 4,500 l/d	<p>Model I – 30PE (4500 L/d)</p> <p>6-way flow splitter</p> <p>6 x Ecoflo 5PE</p> <p>Effluent from septic tank</p>	Pass	Pass	Pass	Pass
35 5,250 l/d	<p>Model J – 35PE (5250 L/d)</p> <p>5 x Ecoflo 7PE</p> <p>Effluent from septic tank</p> <p>5-way flow splitter</p>	Pass	Pass	Pass	Pass



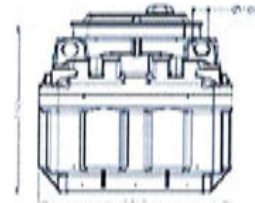
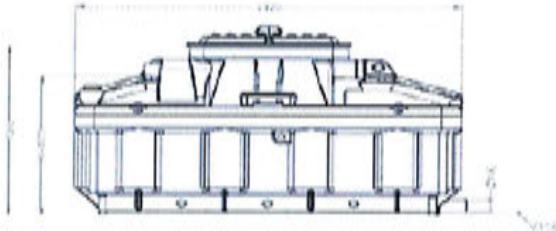
Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
<p>42 6,300 l/d</p>	<p>Model K - 42PE (6300 L/d)</p>  <p>Effluent from septic tank</p> <p>6 way flow splitter</p> <p>6 x 150x150 mm</p>	<p>Pass</p> <p>CAPE-AT-13-250</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>For wet ground conditions also, 0.30 m installation depth from inlet invert</p>	<p>Pass</p> <p>CAPE-AT-14-143</p>
<p>49 7,350 l/d</p>	<p>Model L - 49PE (7350 L/d)</p>  <p>Effluent from septic tank</p> <p>7 way flow splitter</p> <p>7 x 150x150 mm</p>	<p>Pass</p> <p>CAPE-AT-13-250</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>For wet ground conditions also, 0.30 m installation depth from inlet invert</p>	<p>Pass</p> <p>CAPE-AT-14-143</p>

ECOFLO® (EN 12566-6 systems)

Drawings

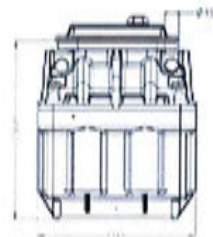
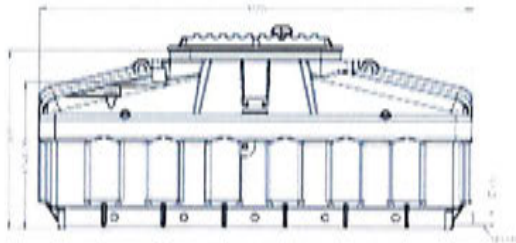
Model A (ITT) – 5PE (750 L/d)

ECOFLO® filter 4-5PE

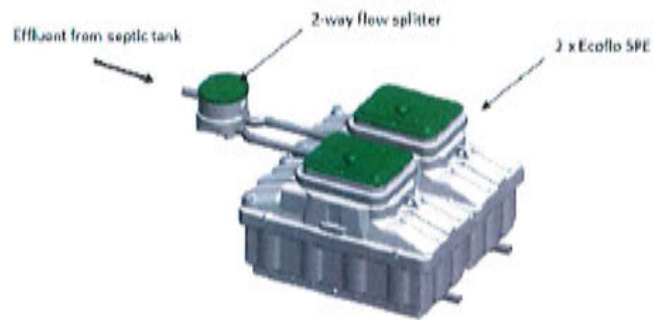


Model B – 6-7PE (1050 L/d)

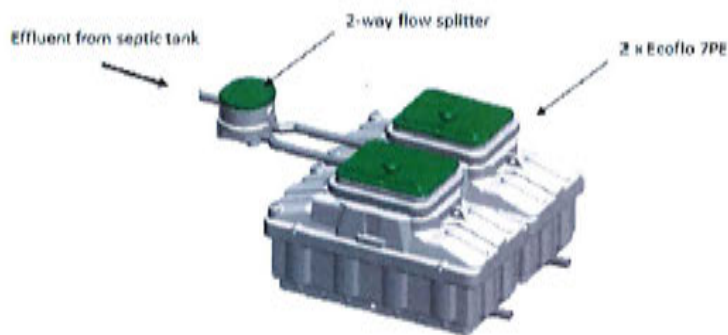
ECOFLO® filter 6-7PE



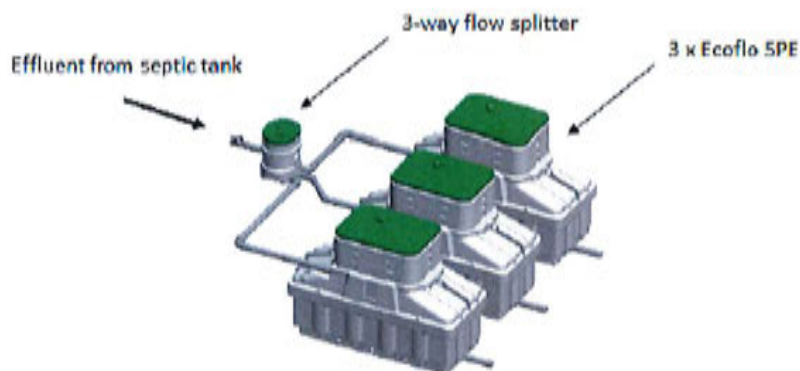
Model C – 10PE (1500 L/d)



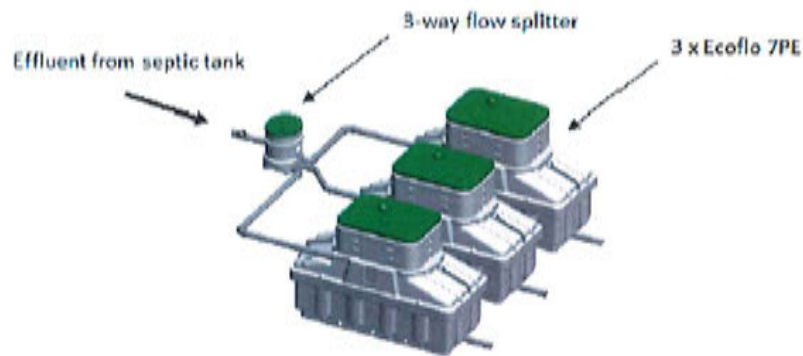
Model D – 14PE (2100 L/d)



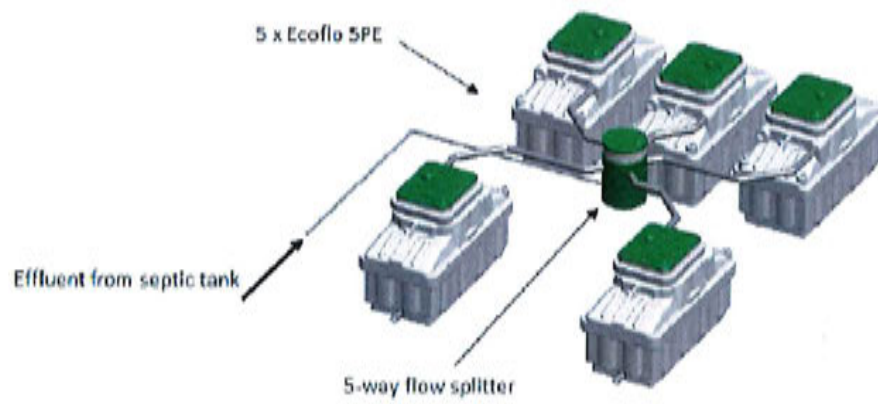
Model E – 15PE (2250 L/d)



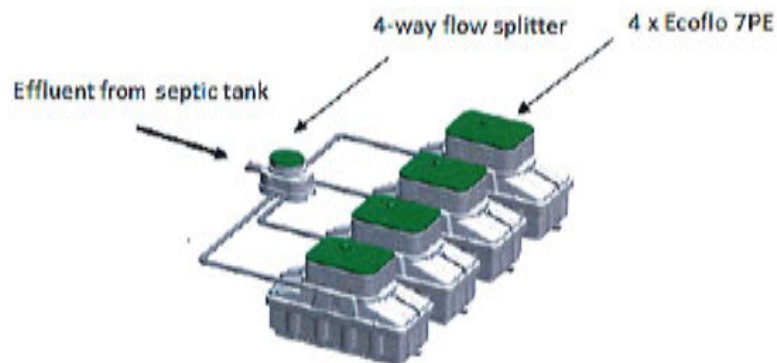
Model F - 21PE (3150 L/d)



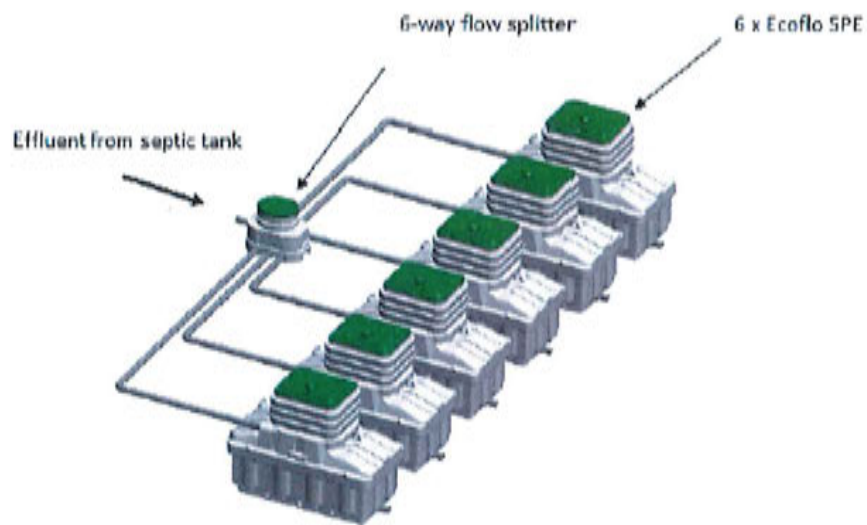
Model G - 25PE (3750 L/d)



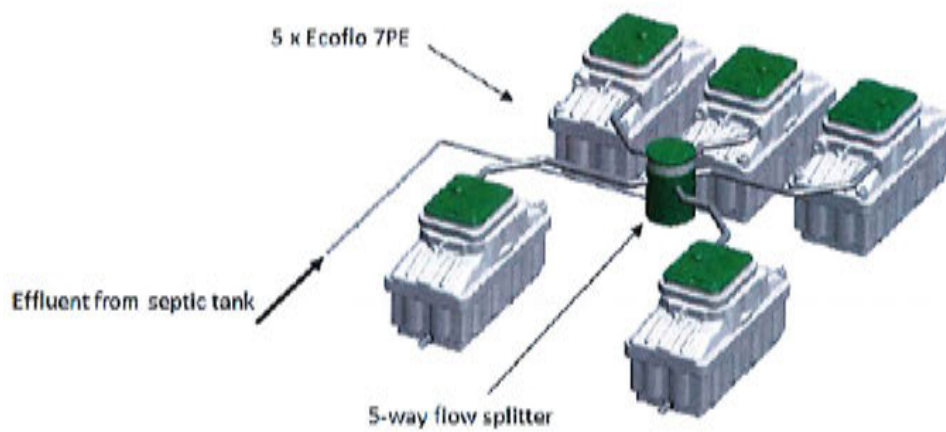
Model H - 28PE (4200 L/d)



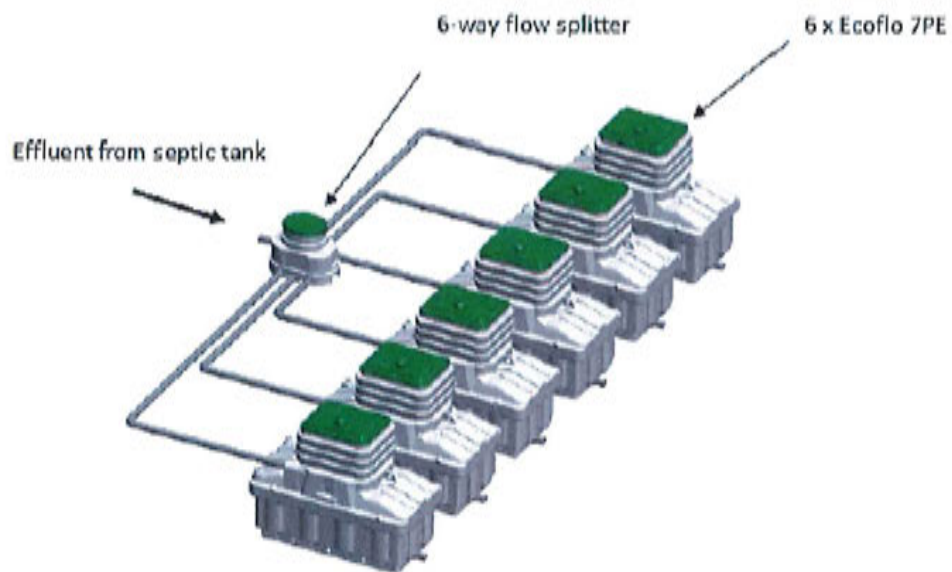
Model I – 30PE (4500 L/d)



Model J – 35PE (5250 L/d)



Model K – 42PE (6300 L/d)



Model L – 49PE (7350 L/d)

