



# TREATMENT PERFORMANCE RESULTS

PIA-SR66-1603-1042-3.03

**Premier Tech Water & Environment**

2 Whitehouse Way, South West Industrial Estate, Peterlee, Co. Durham, SR8 2RA, UK

**EN 12566-3**

Results corresponding to EN 12566-3 and SR 66

**ECOFLO**

Media filter

Nominal organic daily load (influent)	0.24 kg BOD <sub>5</sub> /d		
Nominal hydraulic daily load	0.75 m <sup>3</sup> /d		
Material	Polyethylene		
Watertightness	Pass		
Crushing resistance (Pit Test)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	92.2 %	57.7 mg/l
	BOD <sub>5</sub>	98.2 %	5.4 mg/l
	NH <sub>4</sub> -N	89.3 %	10.5 mg/l
	SS	98.5 %	5.4 mg/l
Electrical consumption	0.1 kWh/d*		
Number of desludging	Not more than once		

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

Performance tested by

PIA – Prüfinstitut für Abwassertechnik GmbH

CERTIPRO – Service de certification et de contrôle

CSTB – Centre Scientifique et technique du Batiment

CERIB – Centre d'Etudes et de Recherche de l'Industrie du Béton

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



Notified Body  
No.: 1739



Certified according to  
ISO 9001:2015

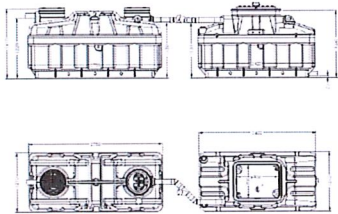
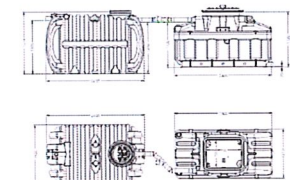
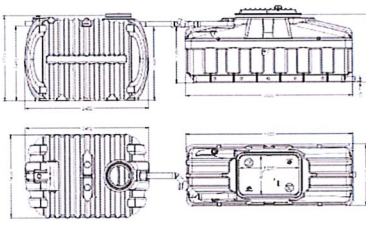
PIA – Sustainable Certification  
*D. Schmitz*

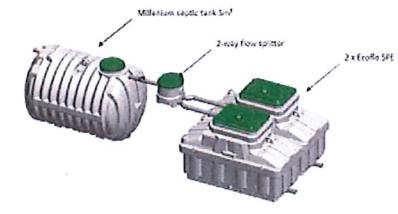
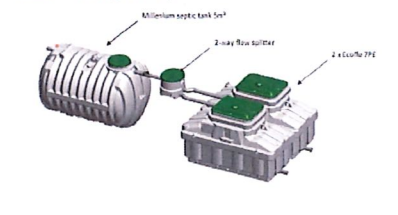
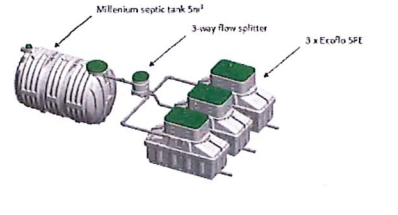
*G. Schatzki*  
geprüft – tested – teste

G. Schatzki / D. Schmitz

November 2023

ECOFLO range and its referring test reports:

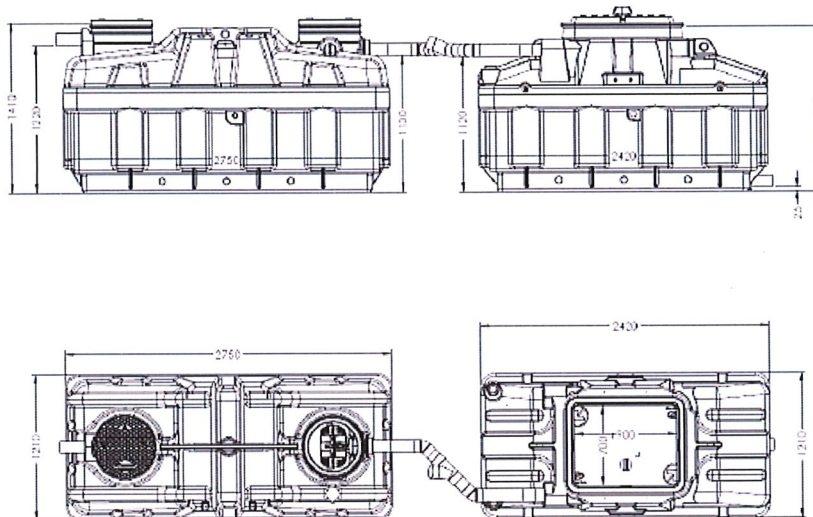
Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial Type Test (ITT) 5	<p>Model A (ITT) – 5PE (750 L/d)</p> 	<p>Pass</p> <p>CAPE-AT-13-250</p>	<p>Pass</p> <p>CAPE AT 16-024-1 -V1 (EN 12566-3)</p>	<p>Pass</p> <p>For wet ground conditions also, 0.51 m installation depth from inlet invert</p>	<p>Pass</p> <p>CAPE-AT-14-143</p>
5	<p>Model B – 5PE (750 L/d)</p> 	<p>Pass</p> <p>CAPE-AT-13-250</p> <p>BES/N9902/PP/pp/04.235</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>For wet ground conditions also, 0.51 m installation depth from inlet invert</p>	<p>Pass</p> <p>CAPE-AT-14-143</p>
7	<p>Model C – 7PE (1050 L/d)</p> 	<p>Pass</p> <p>CAPE-AT-13-250</p> <p>BES/N9902/PP/pp/04.235</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>BES/N9902/PP/pp/04.235</p> <p>PIA2015-ST-PIT-1412-1074.01</p> <p>For wet ground conditions also, 0.51 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	<p>Model D – 10PE (1500 L/d)</p> 	<p>Pass</p> <p>CAPE-AT-13-250</p> <p>BES/N9902/PP/pp /04.235</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>For wet ground conditions also, 0.51 m installation depth from inlet invert</p>	<p>Pass</p> <p>CAPE-AT-14-143</p>
14	<p>Model E – 14PE (2100 L/d)</p> 	<p>Pass</p> <p>CAPE-AT-13-250</p> <p>BES/N9902/PP/pp /04.235</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>For wet ground conditions also, 0.51 m installation depth from inlet invert</p>	<p>Pass</p> <p>CAPE-AT-14-143</p>
15	<p>Model F – 15PE (2250 L/d)</p> 	<p>Pass</p> <p>CAPE-AT-13-250</p> <p>BES/N9902/PP/pp /04.235</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>For wet ground conditions also, 0.51 m installation depth from inlet invert</p>	<p>Pass</p> <p>CAPE-AT-14-143</p>

ECOFLO® (EN 12566-3 systems)

Drawings

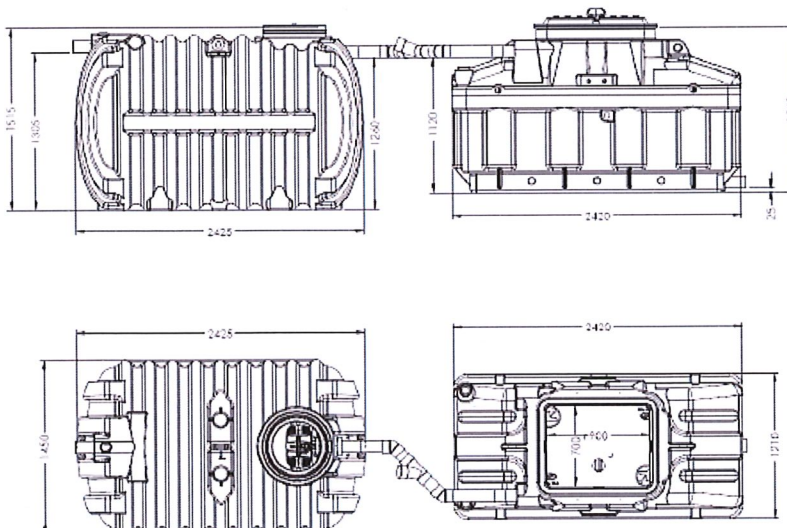
Model A (ITT) – 5PE (750 L/d)



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Drawings

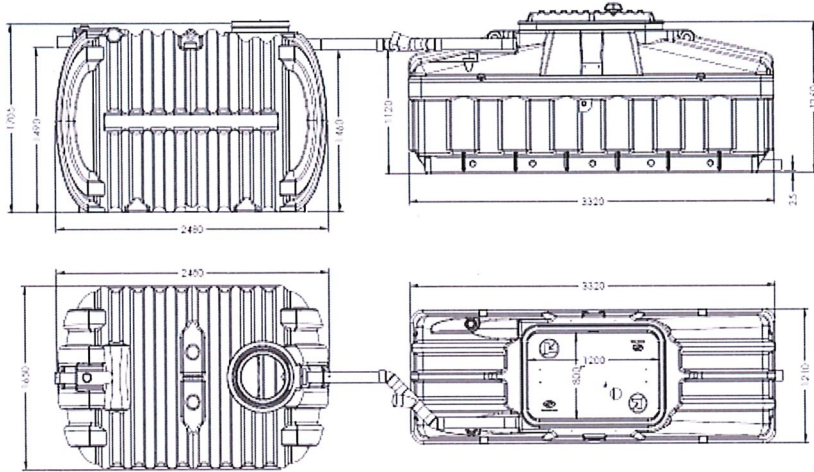
Model B – 5PE (750 L/d)



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Drawings

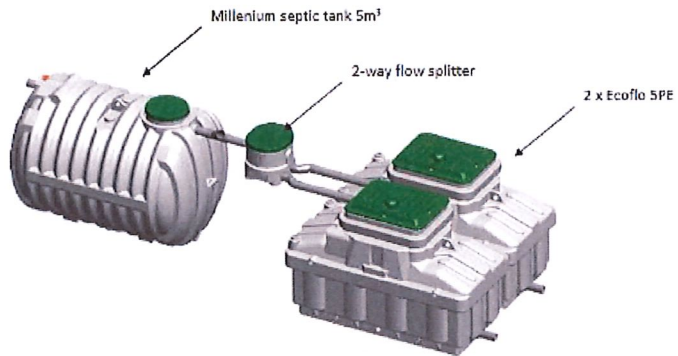
Model C – 7PE (1050 L/d)



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Drawings

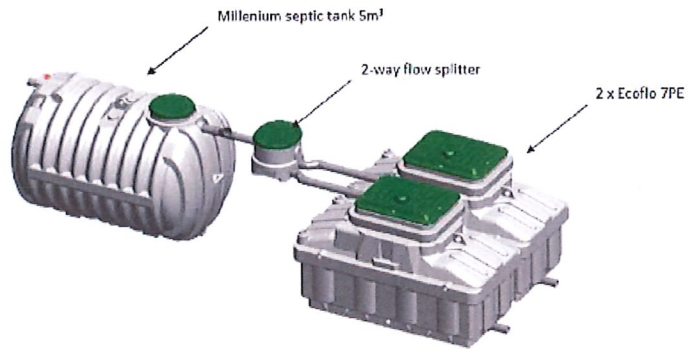
Model D – 10PE (1500 L/d)



ECOFLO® (EN 12566-3 systems)

Drawings

Model E – 14PE (2100 L/d)



ECOFLO® (EN 12566-3 systems)

Drawings

Model F – 15PE (2250 L/d)

