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_5/d		
Nominal hydraulic daily load	0.75 m^3/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_5	98.2 %	5.4 mg/l
	NH_4-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

Sustainable Certific

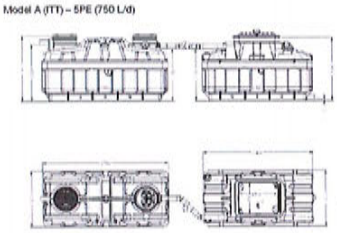
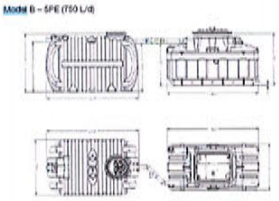
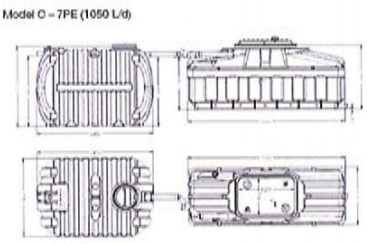
This document replaces neither the declaration of performance nor the CE marking.

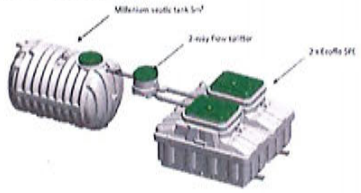
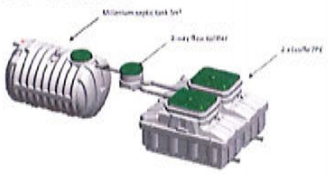
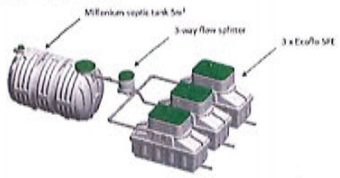
Notified Body No.: 1739

Certified according to ISO 9001:2015

G. Schatzki / D. Schmitz November 2023

ECOFLO range and its referring test reports:

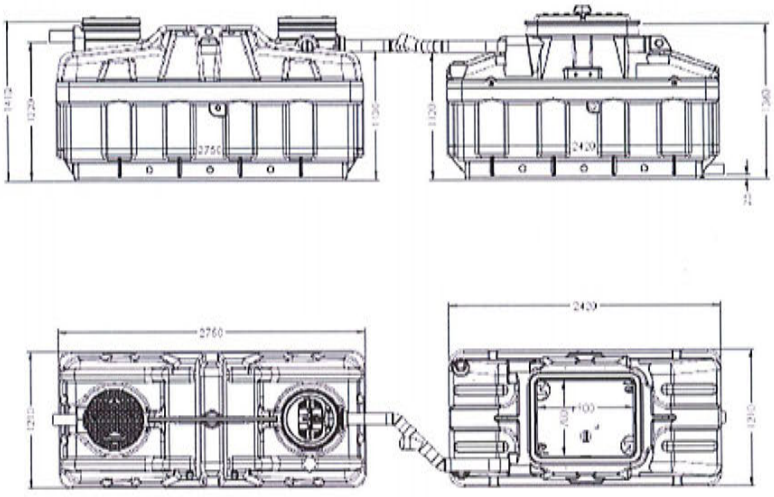
Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial Type Test (ITT) 5		Pass CAPE-AT-13-250	Pass CAPE AT 16-024-1 -V1 (EN 12566-3)	Pass For wet ground conditions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

ECOFLO® (EN 12566-3 systems)

Drawings

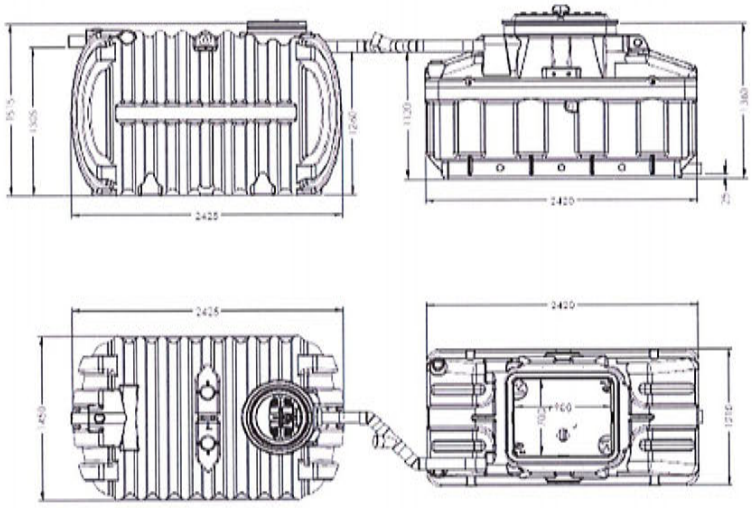
Model A (ITT) – 5PE (750 L/d)



ECOFLO® (EN 12566-3 systems)

Drawings

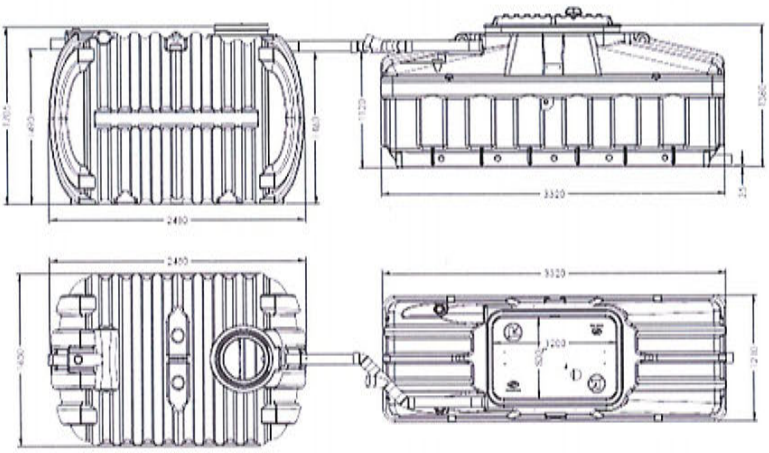
Model B – 5PE (750 L/d)



ECOFLO® (EN 12566-3 systems)

Drawings

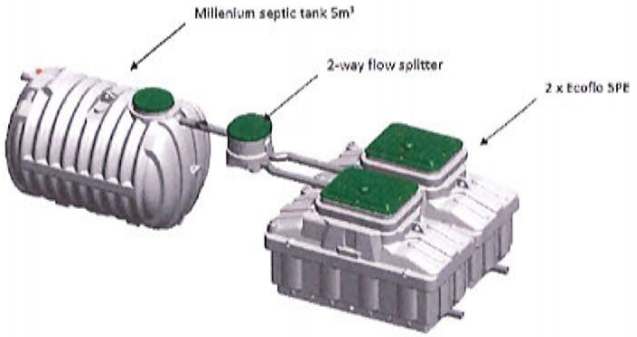
Model C – 7PE (1050 L/d)



ECOFLO® (EN 12566-3 systems)

Drawings

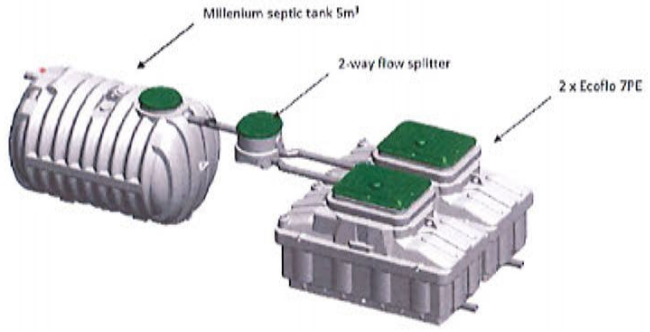
Model D – 10PE (1500 L/d)



ECOFLO® (EN 12566-3 systems)

Drawings

Model E – 14PE (2100 L/d)



ECOFLO® (EN 12566-3 systems)

Drawings

Model F – 15PE (2250 L/d)

