



# TREATMENT PERFORMANCE RESULTS

PIA-SR66-2206-1038

Tricel

Ballyspillane Industrial Est., Killarney, Co. Kerry, Ireland

EN 12566-3

Results corresponding to EN 12566-3 and S.R. 66

Coconut Fibre Puraflo Filter System with Vento Tank

Nominal organic daily load (influent)	0.42 kg BOD <sub>5</sub> /d		
Nominal hydraulic daily load	1.2 m <sup>3</sup> /d		
Material	Polyethylene		
Watertightness	Pass		
Crushing resistance	Pass (Vento: wet, Puraflo: dry)		
Durability	Pass		
Treatment efficiency (nominal sequences)	Efficiency	Effluent	
	COD	93.4 %	54 mg/l
	BOD <sub>5</sub>	96.9 %	11 mg/l
	NH <sub>4</sub> -N*	85.5 %	5.6 mg/l
	SS	97.7 %	8 mg/l
Electrical consumption	0.1 kWh/d		
Number of desludging	Not more than once		

\* determined for temperatures  $\geq 12^{\circ}$  C in the bioreactor

Tested by:

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

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



Notified Body  
No.: 1739

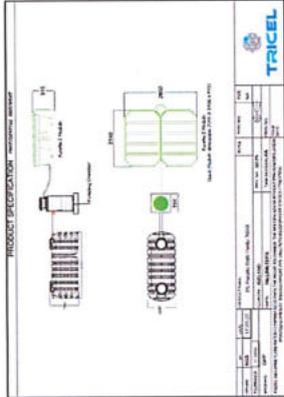


Certified according to  
ISO 9001:2015

M. Wermter / D. Schmitz

July 2022

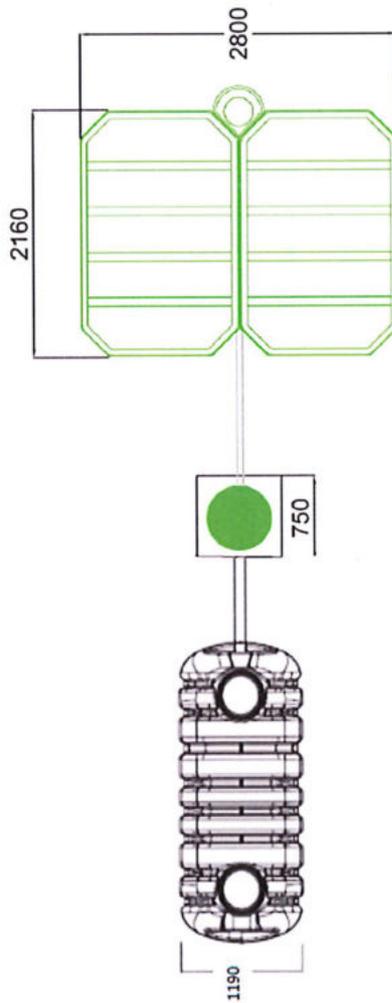
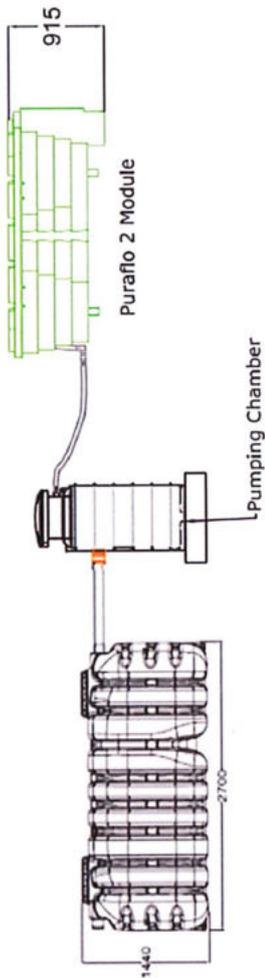
Coconut Fibre Puraflo Filter System with Vento Tanks range and its referring test reports:

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) 8	Not relevant	Not relevant	Pass  PIA2022-406B04	Not relevant	Not relevant
6  900 l/d		Pass  2013 CERIB 2392  PIA2010-WD-0909-1057	Pass  Range conformity check according to S.R. 66:2015	Pass  Vento: For wet ground conditions also, 0.77 m installation depth from inlet invert  Puraflo: PIA2010-ST-BT-0909-1057 For dry conditions only, 0.10 m installation depth from inlet invert	Pass  2013 CERIB 2392  PIA2016-DH-1604-1056.01

<p>Compared Tank</p> <p>8</p> <p>1,200 l/d</p>		<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2010-WD-0909-1057</p>	<p>Pass</p> <p>Range conformity check according to S.R. 66:2015</p>	<p>Pass</p> <p>Vento: For wet ground conditions also, 0.77 m installation depth from inlet invert</p> <p>Puraflo: For dry conditions only, 0.10 m installation depth from inlet invert</p>	<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2016-DH-1604-1056.01</p>
<p>12</p> <p>1,800 l/d</p>		<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2010-WD-0909-1057</p>	<p>Pass</p> <p>Range conformity check according to S.R. 66:2015</p>	<p>Pass</p> <p>Vento: For wet ground conditions also, 0.77 m installation depth from inlet invert</p> <p>Puraflo: For dry conditions only, 0.10 m installation depth from inlet invert</p>	<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2016-DH-1604-1056.01</p>

<p>16</p> <p>2,400 l/d</p>		<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2010-WD-0909-1057</p>	<p>Pass</p> <p>Range conformity check according to S.R. 66:2015</p>	<p>Pass</p> <p>Vento: For wet ground conditions also, 0.77 m installation depth from inlet invert</p> <p>Puraflo: For dry conditions only, 0.10 m installation depth from inlet invert</p>	<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2016-DH-1604-1056.01</p>
<p>24</p> <p>3,600 l/d</p>		<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2010-WD-0909-1057</p>	<p>Pass</p> <p>Range conformity check according to S.R. 66:2015</p>	<p>Pass</p> <p>Vento: 2013 CERIB 2392 For wet ground conditions also, 0.77 m installation depth from inlet invert</p> <p>Puraflo: For dry conditions only, 0.10 m installation depth from inlet invert</p>	<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2016-DH-1604-1056.01</p>

**PRODUCT SPECIFICATION** CONFIDENTIAL DOCUMENT

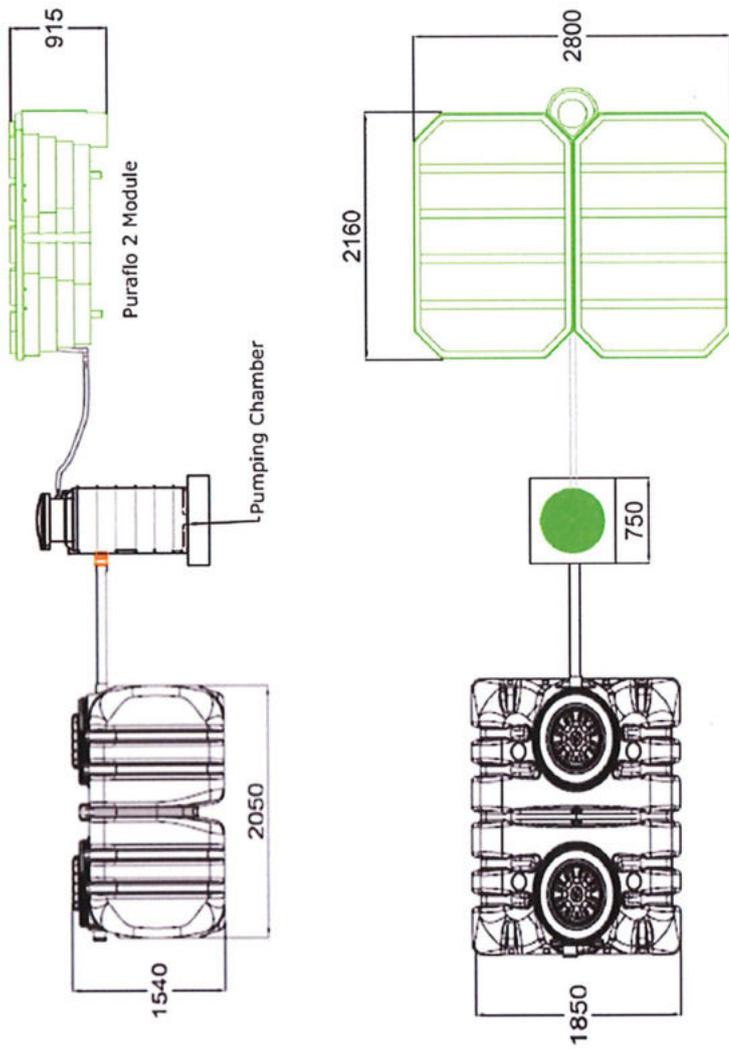


Puraflo 2 Module  
(Each Module dimension 2160 X 1400 X 855)

BY:		DATE:		PRODUCT NAME:		SCALE:		PART NO:		SIZE:	
DRAWN:		17/05/22		P6 Puraflo With Vento 3000I						N/A	
TOLERANCE:		+/- 10mm		COUNTRY : IRELAND		REV. NO. 00.00		TANK REVISION: AA			
MATERIAL:		GRP		UNITS: MILLIMETERS		TANK REVISION: AA		DRWG NO:		ISSUE DATE:	
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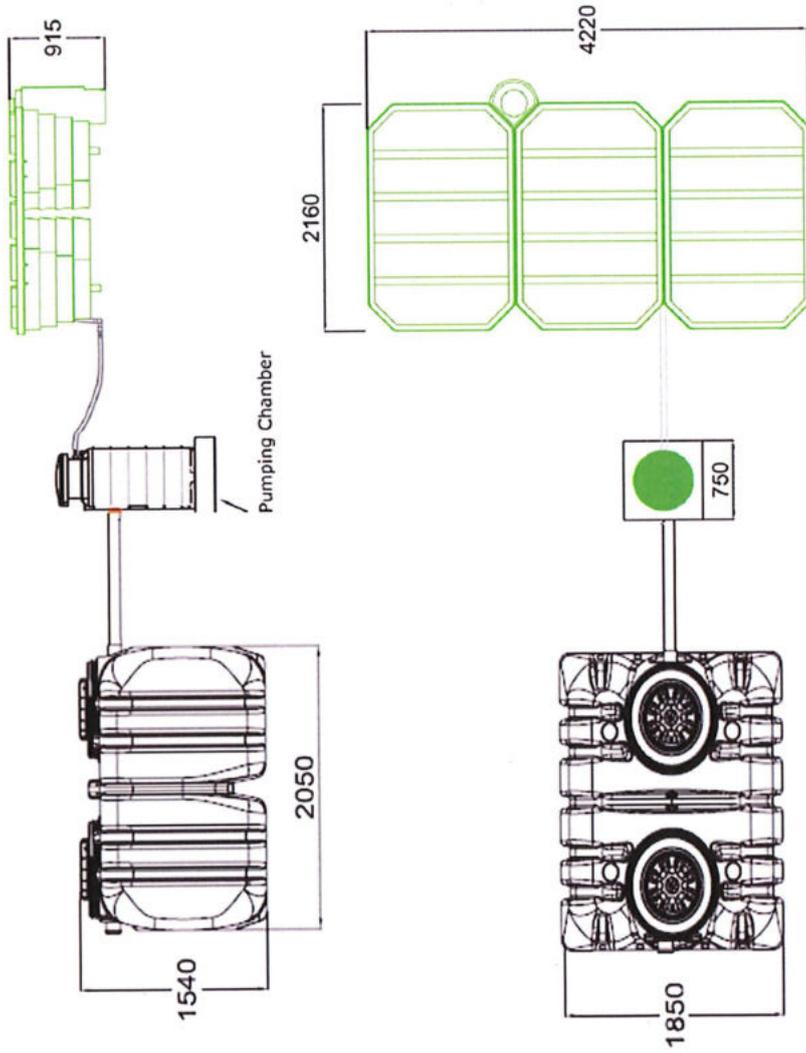


Puraflo 2 Module  
(Each Module dimension 2160 X 1400 X 855)

DRAWN: KGS		DATE: 17/05/22	PRODUCT NAME: P8 Puraflo With Vento 4000i		SCALE:	PART NO:	SIZE: N/A
TOLERANCE: +/- 10mm			REV. NO.				
MATERIAL: GRP			TANK REVISION:			DRWG NO:	ISSUE DATE:
COUNTRY: IRELAND			UNITS: MILLIMETERS				

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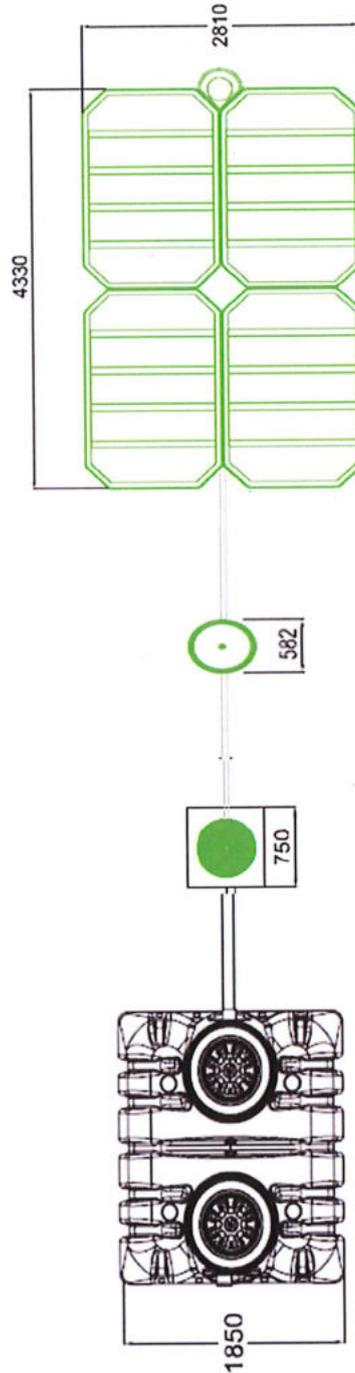
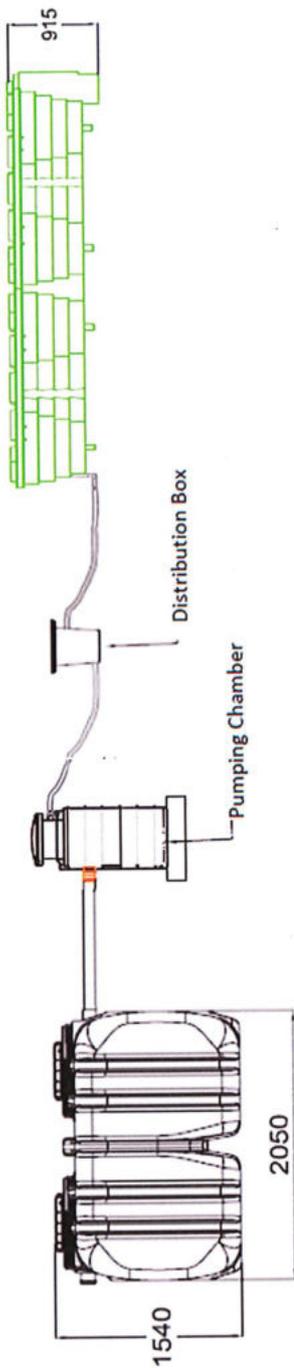
Purafla 3 Module  
(Each Module dimension 2160 X 1400 X 855)

BY: KGS		DATE: 17/05/22		PRODUCT NAME: P12 Purafla With Vento 4000i		SCALE:		PART NO:		SIZE: N/A	
DRAWN:		TOLERANCE: +/- 10mm		COUNTRY: IRELAND		REV. NO.		TANK REVISION: /		DRWG NO:	
MATERIAL: GRP		UNITS: MILLIMETERS		ISSUE DATE:		DATE:					



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Puraflo 4 Module  
(Each Module dimension 2160 X 1400 X 855)

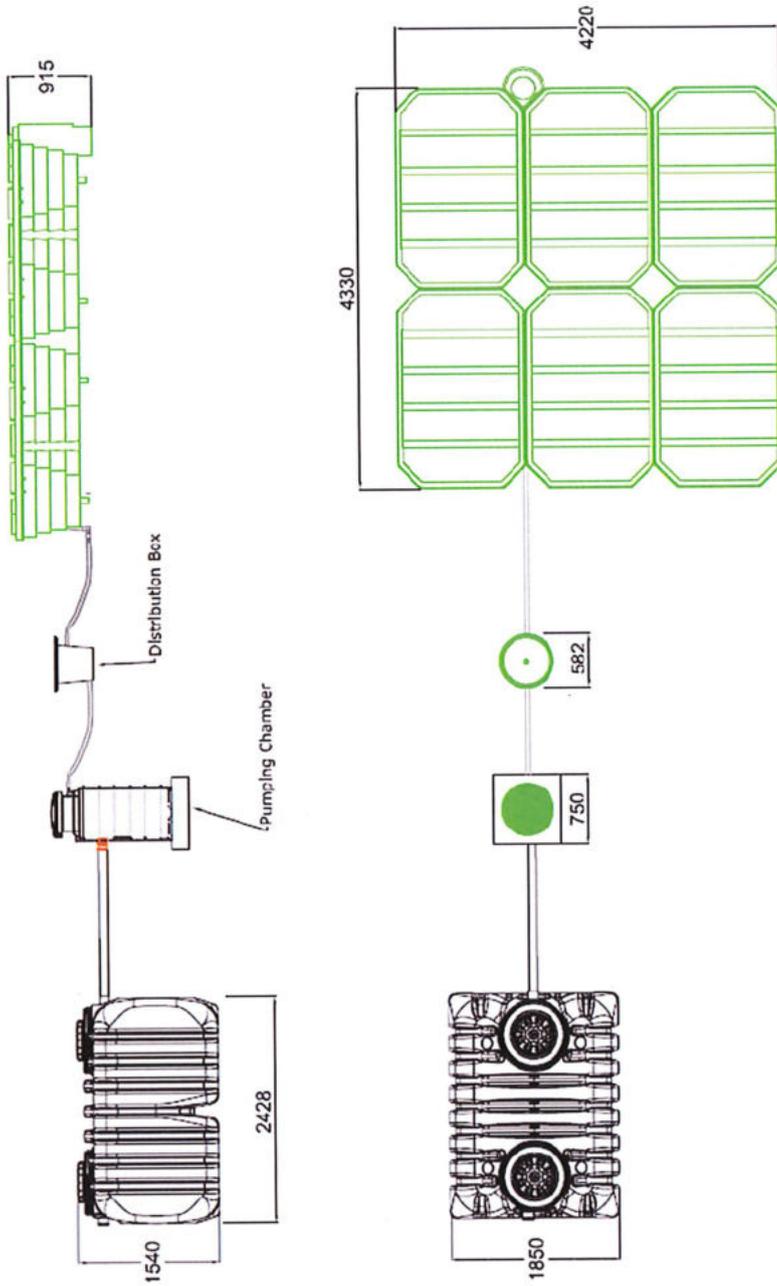
DRAWN: KGS		DATE: 17/05/222	PRODUCT NAME: P16 Puraflo with 4000l Vento		SCALE:	PART NO:	SIZE: N/A
TOLERANCE: +/-10mm			COUNTRY: IRELAND				
MATERIAL: GRP			UNITS: MILLIMETERS				
			REV. NO.				
			TANK REVISION:				
			DRWG NO:				
			ISSUE DATE:				



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Puraflo 6 Module  
(Each Module dimension 2160 X 1400 X 855)

BY: KGS		DATE: 17/05/22	PRODUCT NAME: P24 Puraflo With Vento 50001		SCALE:	PART NO:	SIZE: N/A
DRAWN:		TOLERANCE: +/-10mm	COUNTRY: IRELAND		REV. NO.		
MATERIAL: GRP		UNITS: MILLIMETERS		TANK REVISION	DRAWG NO:		
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