



TREATMENT PERFORMANCE RESULTS

PIA-SR66-2206-1037

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 Fortis Tank

Nominal organic daily load (influent)	0.42 kg BOD ₅ /d															
Nominal hydraulic daily load	1.2 m ³ /d															
Material	Polyethylene/ Glass reinforced plastic															
Watertightness	Pass															
Crushing resistance	Pass (Fortis: wet, Puraflo: dry)															
Durability	Pass															
Treatment efficiency (nominal sequences)	<table><thead><tr><th></th><th>Efficiency</th><th>Effluent</th></tr></thead><tbody><tr><td>COD</td><td>93.4 %</td><td>54 mg/l</td></tr><tr><td>BOD₅</td><td>96.9 %</td><td>11 mg/l</td></tr><tr><td>NH₄-N*</td><td>85.5 %</td><td>5.6 mg/l</td></tr><tr><td>SS</td><td>97.7 %</td><td>8 mg/l</td></tr></tbody></table>		Efficiency	Effluent	COD	93.4 %	54 mg/l	BOD ₅	96.9 %	11 mg/l	NH ₄ -N*	85.5 %	5.6 mg/l	SS	97.7 %	8 mg/l
	Efficiency	Effluent														
COD	93.4 %	54 mg/l														
BOD ₅	96.9 %	11 mg/l														
NH ₄ -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

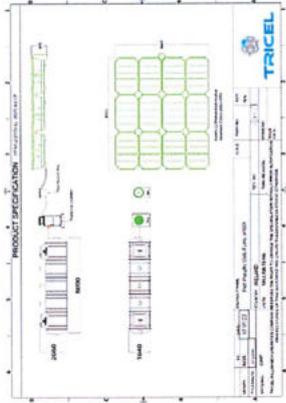
Coconut Fibre Puraflo Filter System with Fortis Tanks range and its referring test reports:

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
6 900 l/d		<p>Pass</p> <p>PIA2015-WD/NC-1404-1021.01</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>Fortis: For wet ground conditions also, 1.25 m installation depth from inlet invert</p> <p>Puraflo: PIA2010-ST-BT-0909-1057 For dry conditions only, 0.10 m installation depth from inlet invert</p>	<p>Pass</p> <p>PIA2015-DH-1504-1023.1</p> <p>PIA2016-DH-1604-1056.01</p>

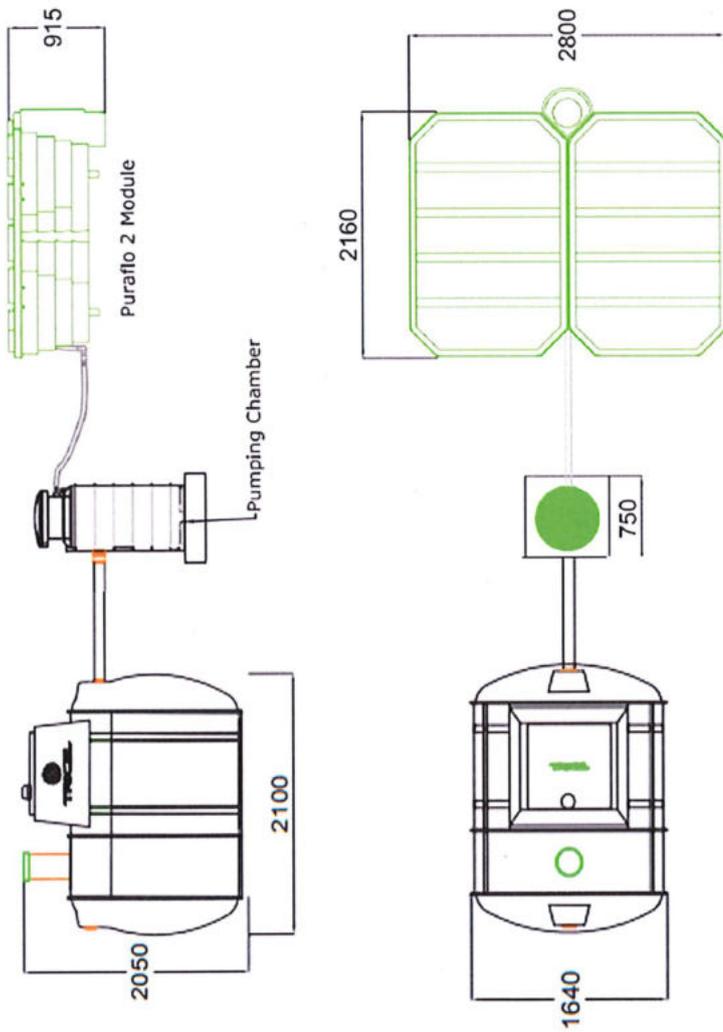
<p>Initial type test (ITT)</p> <p>8</p> <p>1,200 l/d</p>		<p>Pass</p> <p>PIA2015-WD/NC-1404-1021.01</p> <p>PIA2010-WD-0909-1057</p>	<p>Pass</p> <p>PIA2022-406B04</p>	<p>Pass</p> <p>Fortis: For wet ground conditions also, 1.25 m installation depth from inlet invert</p> <p>Puraflo: For dry conditions only, 0.10 m installation depth from inlet invert</p>	<p>Pass</p> <p>PIA2015-DH-1504-1023.1</p> <p>PIA2016-DH-1604-1056.01</p>
<p>12</p> <p>1,800 l/d</p>		<p>Pass</p> <p>PIA2015-WD/NC-1404-1021.01</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>Fortis: For wet ground conditions also, 1.25 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>PIA2015-DH-1504-1023.1</p> <p>PIA2016-DH-1604-1056.01</p>

<p>16 2,400 l/d</p>		<p>Pass</p> <p>PIA2015-WD/NC-1404-1021.01</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>Fortis: For wet ground conditions also, 1.25 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>PIA2015-DH-1504-1023.1</p> <p>PIA2016-DH-1604-1056.01</p>
<p>24 3,600 l/d</p>		<p>Pass</p> <p>PIA2015-WD/NC-1404-1021.01</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>Fortis: For wet ground conditions also, 1.25 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>PIA2015-DH-1504-1023.1</p> <p>PIA2016-DH-1604-1056.01</p>

<p>32 4,800 l/d</p>		<p>Pass PIA2015-WD/NC-1404-1021.01 PIA2010-WD-0909-1057</p>	<p>Pass Range conformity check according to S.R. 66:2015</p>	<p>Pass Fortis: For wet ground conditions also, 1.25 m installation depth from inlet invert Puraflo: For dry conditions only, 0.10 m installation depth from inlet invert</p>	<p>Pass PIA2015-DH-1504-1023.1 PIA2016-DH-1604-1056.01</p>
<p>40 6,000 l/d</p>		<p>Pass PIA2015-WD/NC-1404-1021.01 PIA2010-WD-0909-1057</p>	<p>Pass Range conformity check according to S.R. 66:2015</p>	<p>Pass Fortis: PIA2013-ST-PIT-1303-1018 For wet ground conditions also, 1.25 m installation depth from inlet invert Puraflo: For dry conditions only, 0.10 m installation depth from inlet invert</p>	<p>Pass PIA2015-DH-1504-1023.1 PIA2016-DH-1604-1056.01</p>

<p>48</p> <p>7,200 l/d</p>		<p>Pass</p> <p>PIA2015-WD/NC-1404-1021.01</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>Fortis: For wet ground conditions also, 1.25 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>PIA2015-DH-1504-1023.1</p> <p>PIA2016-DH-1604-1056.01</p>
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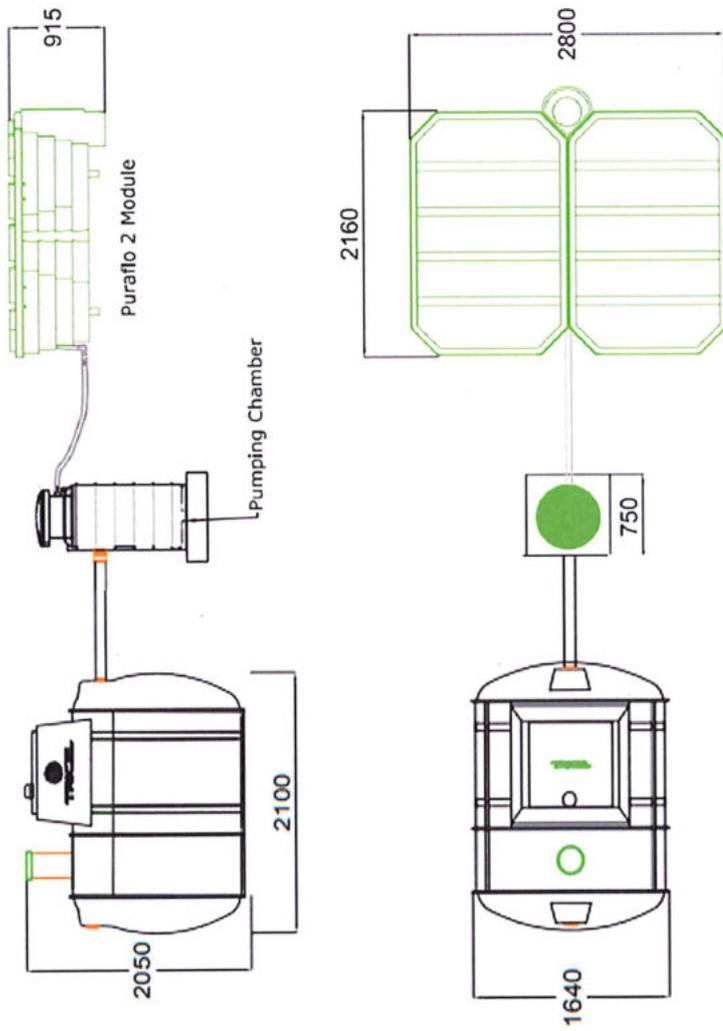
PRODUCT SPECIFICATION CONFIDENTIAL DOCUMENT



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

BY: KGS		DATE: 17/05/22	PRODUCT NAME: P6 Puraflo With Fortis 3200I		SCALE:	PART NO:	SIZE: N/A
DRAWN: KGS		TOLERANCE: +/- 10mm	REV. NO.		TANK REVISION:	DRWG NO:	ISSUE DATE:
MATERIAL: GRP		COUNTRY: IRELAND		UNLIMITED COMPANY RESERVES THE RIGHT TO CHANGE THE SPECIFICATION WITHOUT PRIOR NOTIFICATION. PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED UNLESS STATED OTHERWISE			
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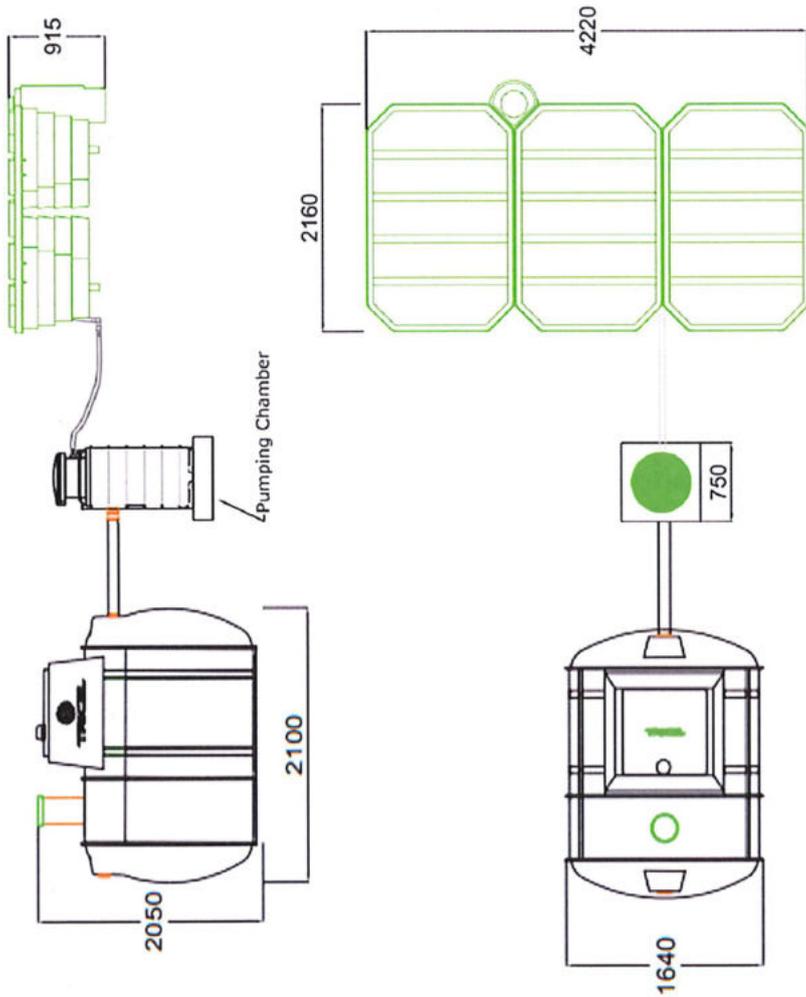
Puraflo 2 Module
(Each Module dimension 2160 X 1400 X 855)

BY: KGS		DATE: 17/05/22	PRODUCT NAME: P8 Puraflo With Fortis 3200I		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 3 Module
(Each Module dimension 2160 X 1400 X 855)

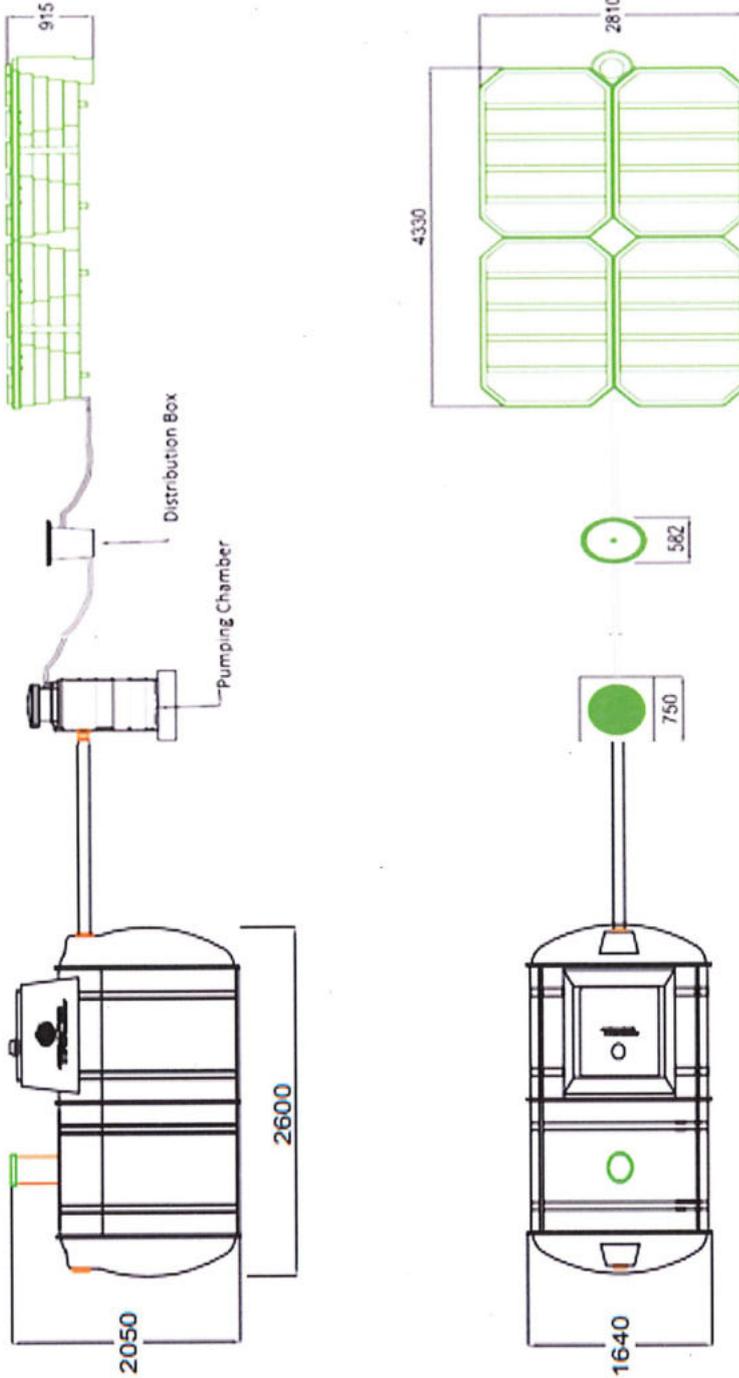
DRAWN: KGS		DATE: 17/05/22	PRODUCT NAME: P12 Puraflo With Fortis 3200I	SCALE:	PART NO:	SIZE: N/A
TOLERANCE: +/- 10mm			REV. NO.			
MATERIAL: GRP		COUNTRY: IRELAND	TANK REVISION:		DRWG NO:	
		UNITS: MILLIMETERS	PRIOR NOTIFICATION		ISSUE DATE:	
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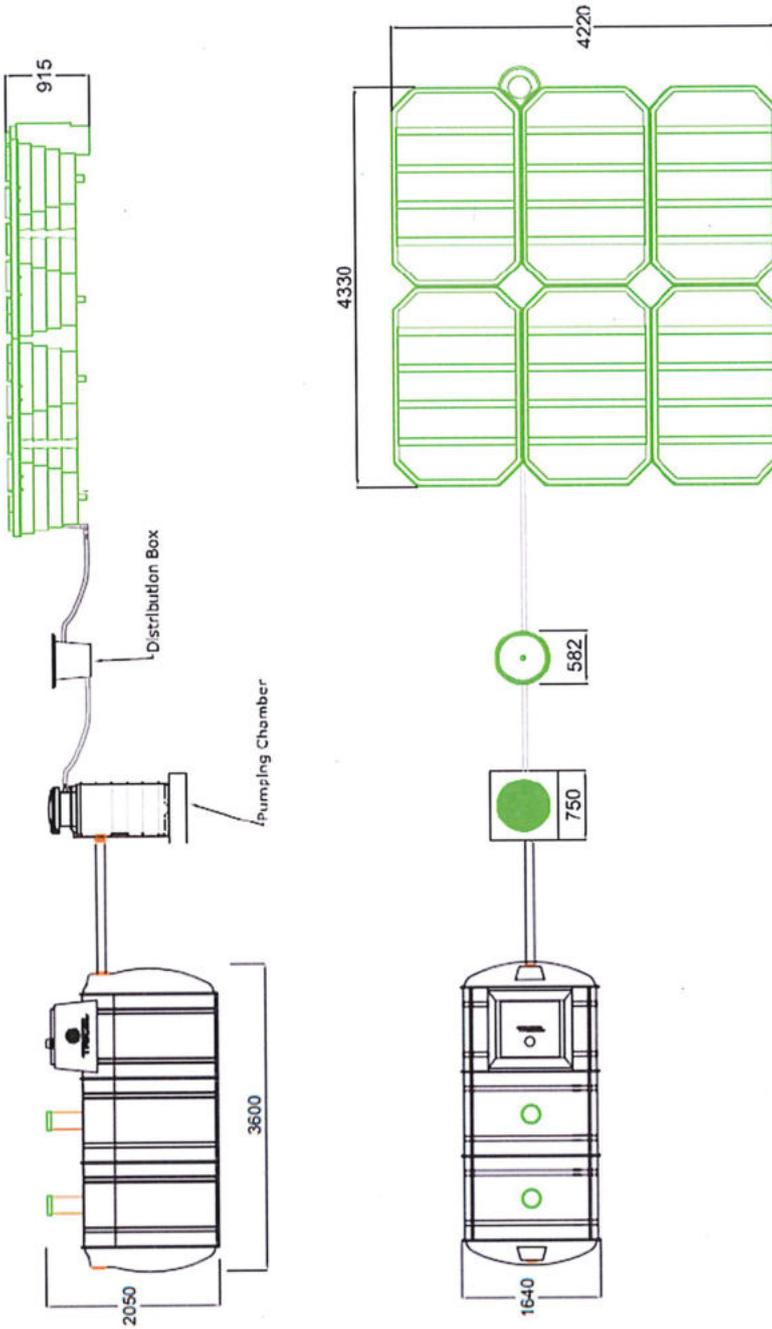


BY	DATE	PRODUCT NAME:	SCALE	PART NO:	SIZE
KGS	17/05/222 6	P16 Puraflo With Fortis 4050I			N/A
TOLERANCE		REV. NO.			
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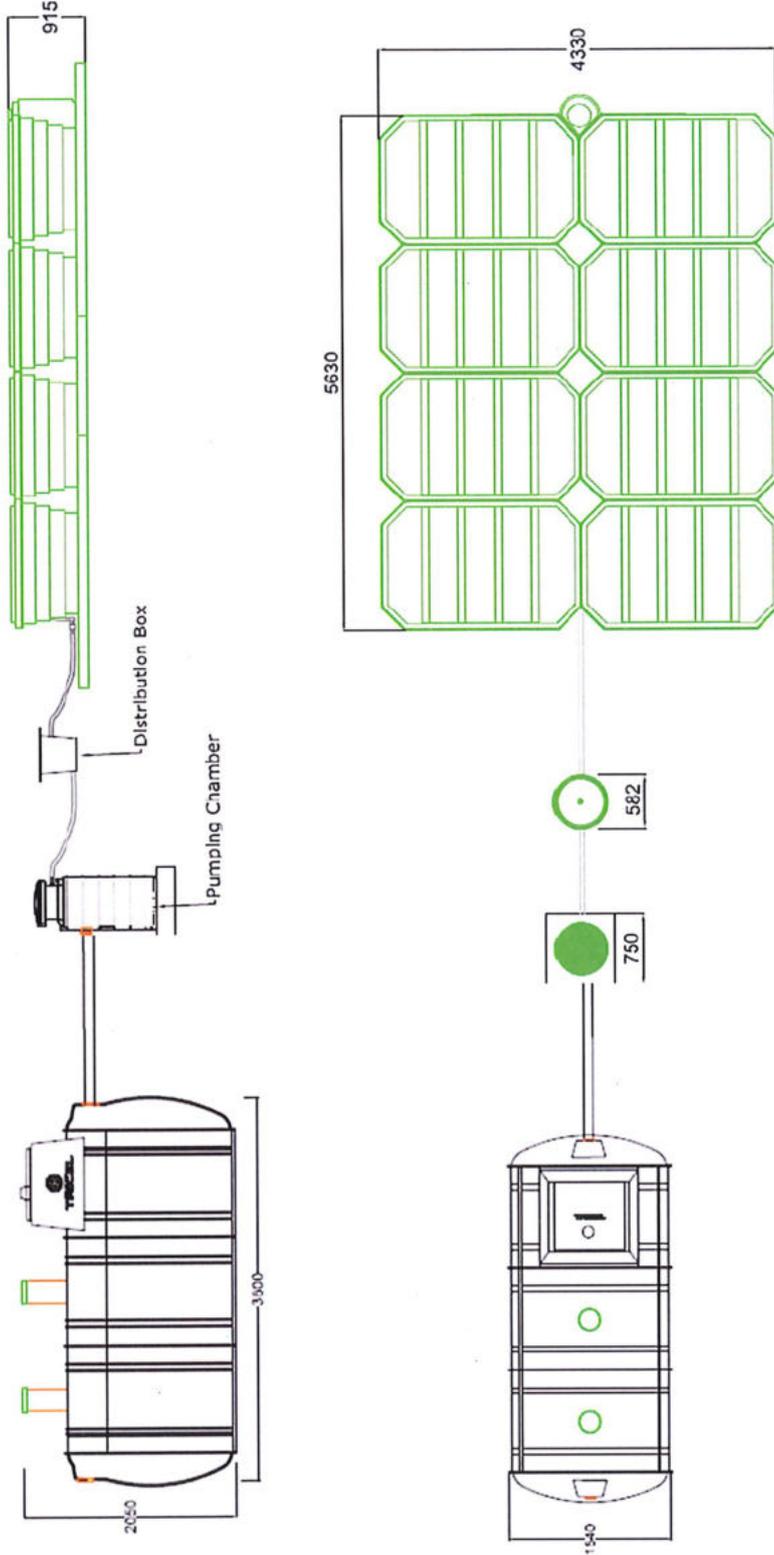
Puraflo 6 Module
(Each Module dimension 2160 X 1400 X 855)

BY:	DATE:	PRODUCT NAME:	SCALE:	PART NO:	SIZE:
DRAWN:	17/05/22	P24 Puraflo With Fortis 5750I			N/A
TOLERANCE:		COUNTRY: IRELAND			
MATERIAL:		UNITS: MILLIMETERS			
		TANK REVISION:		DRWG NO:	
		REV. NO.		ISSUE DATE:	
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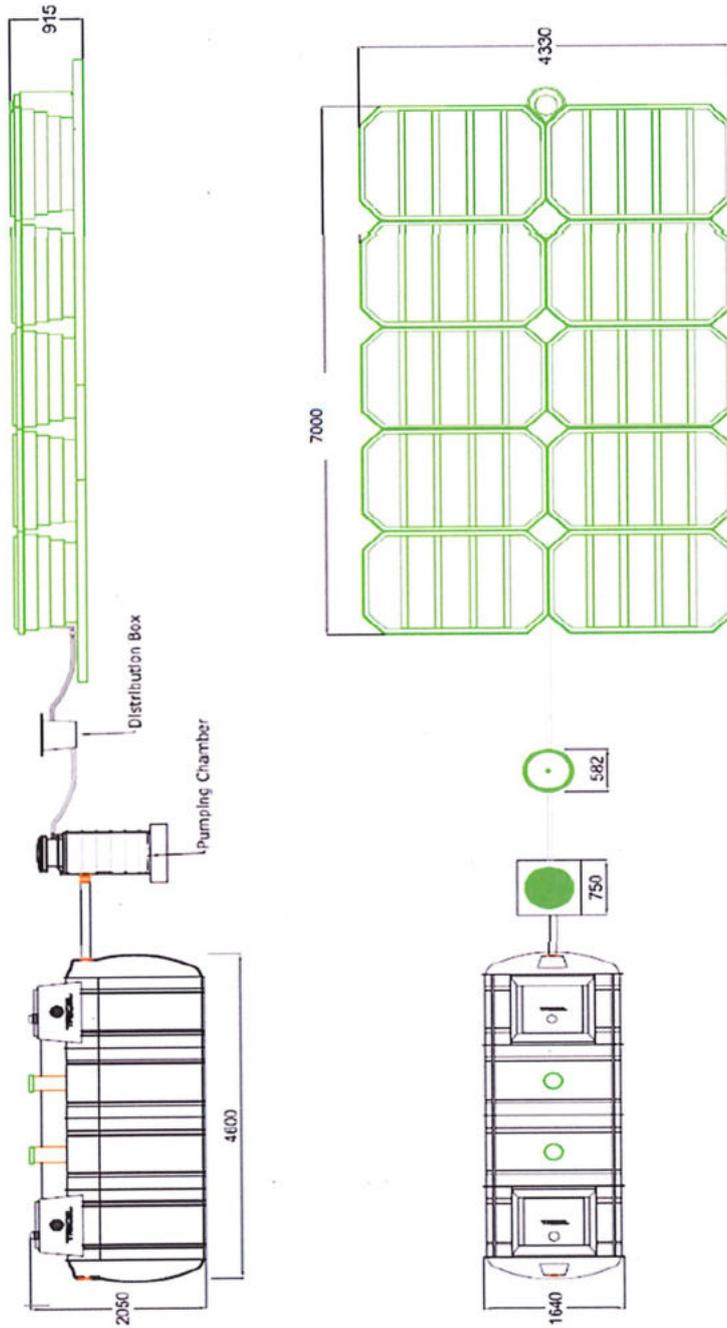
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BY: KGS		DATE: 17/05/22	PRODUCT NAME: P32 Puraflo With Fortis 5750I		SCALE:	PART NO:	SIZE: N/A
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MATERIAL: GRP		UNITS: MILLIMETERS		TANK REVISION:	DRWG NO:	ISSUE DATE:	
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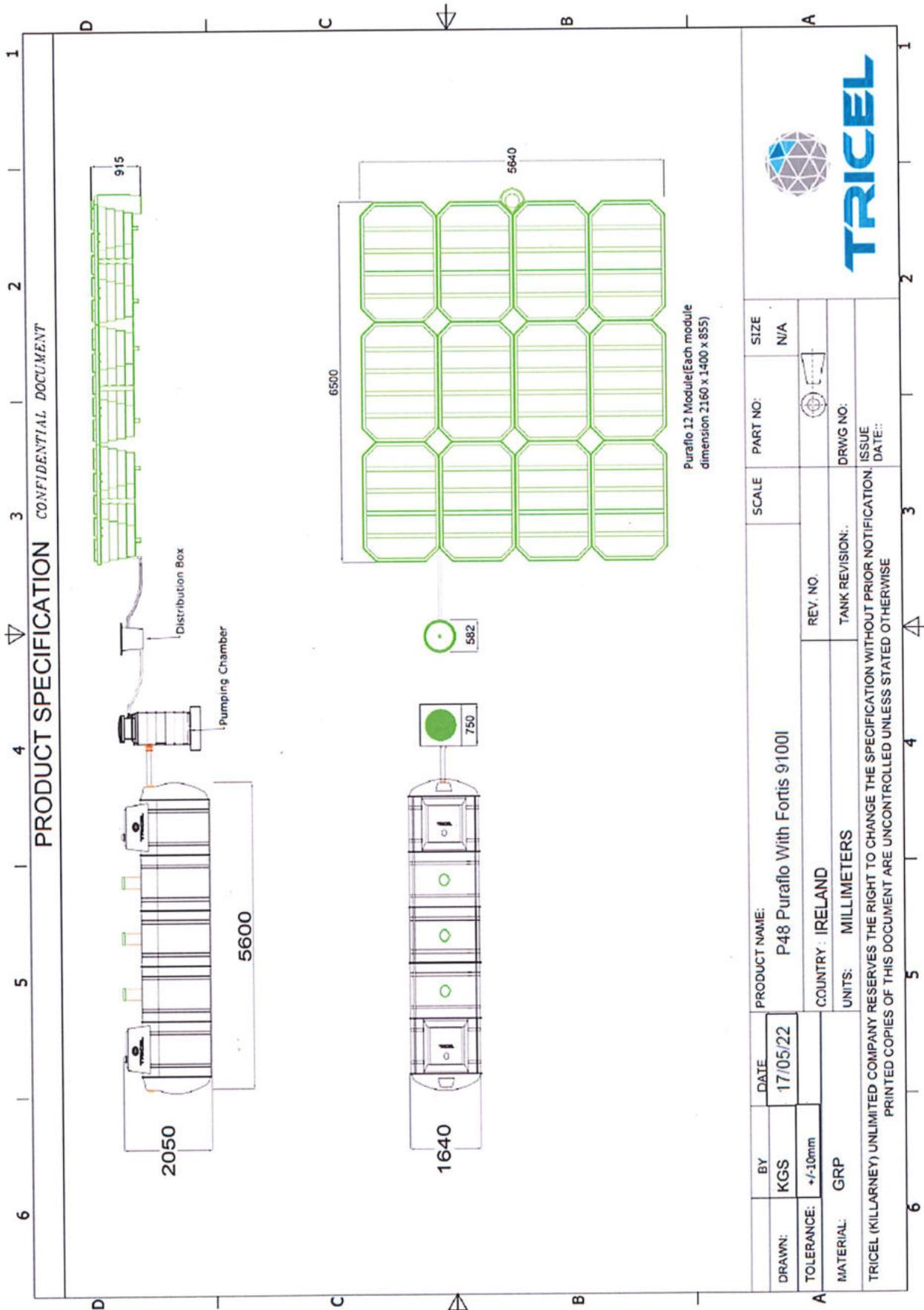
PRODUCT SPECIFICATION CONFIDENTIAL DOCUMENT



Puraflo 10 Module (Each module dimension 2160 x 1400 x 855)

DRAWN: KGS		BY: KGS	DATE: 17/05/22	PRODUCT NAME: P40 Puraflo With Fortis 7400I		SCALE:	PART NO:	SIZE: N/A
TOLERANCE: +/-10mm		MATERIAL: GRP		COUNTRY: IRELAND	UNITS: MILLIMETERS	REV. NO.:	TANK REVISION:	DRWG NO:
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DRAWN: KGS		DATE: 17/05/22		PRODUCT NAME: P48 Puraflo With Fortis 9100I		SCALE: N/A		PART NO:		SIZE: N/A	
TOLERANCE: +/-10mm		MATERIAL: GRP		COUNTRY: IRELAND		UNITS: MILLIMETERS		REV. NO.		TANK REVISION:	
								DRWG NO:		ISSUE DATE:	

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