

TREATMENT PERFORMANCE RESULTS

Tricel (Killarney)
Ballyspillane Industrial Est., Killarney, Co. Kerry, Ireland

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

PIA-SR66-1612-1134

Puraflo + Vento
Peat filter system

Nominal organic daily load	0.33 kg/d		
Nominal hydraulic daily load	0.90 m ³ /d		
Material	Glass reinforced plastic		
Watertightness	Pass		
Structural behaviour (crushing resistance)	Pass (Vento: wet, Puraflo: dry)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
		COD	95.4 % 31 mg/l
		BOD ₅	98.2 % 6 mg/l
		NH ₄ -N	96.9 % 1.1 mg/l
		SS	97.7 % 8 mg/l
Number of desludging	Not more than once		
Electrical consumption	0.06 kWh/d		

Performance 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 9001:2008

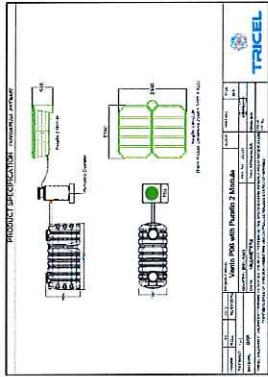


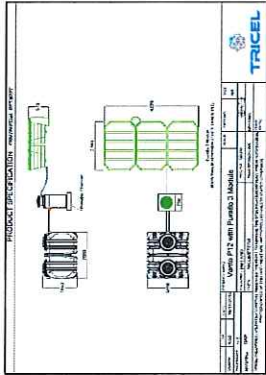
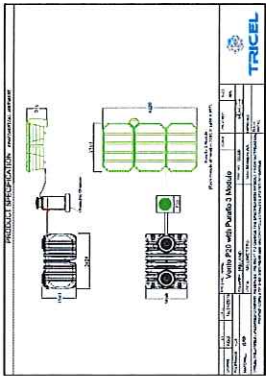
Prüfinstitut für Abwassertechnik GmbH
Elmar Lancé
geprüft - tested - testé

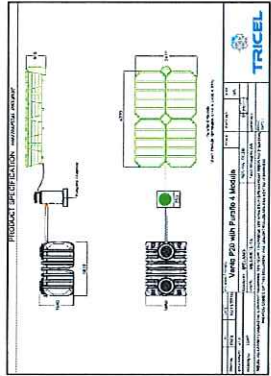
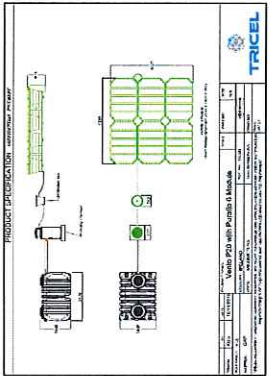
Elmar Lancé

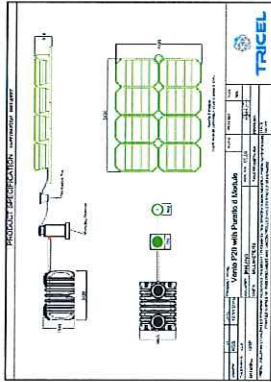
December 2016

Puraflo + Vento range and its referring test reports:

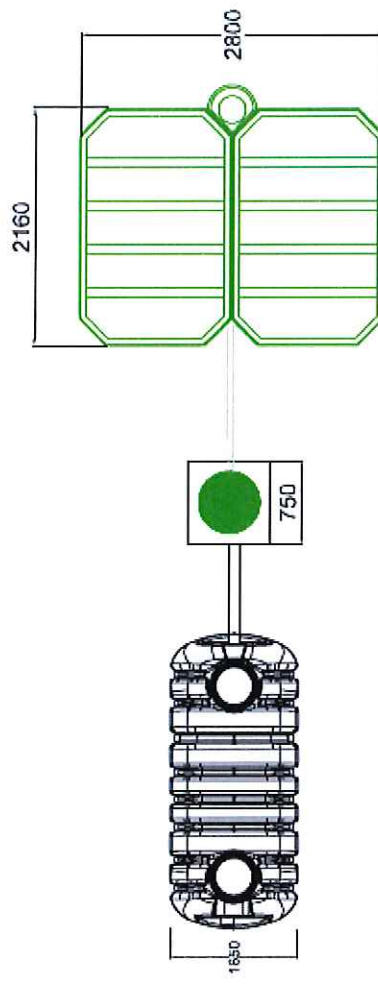
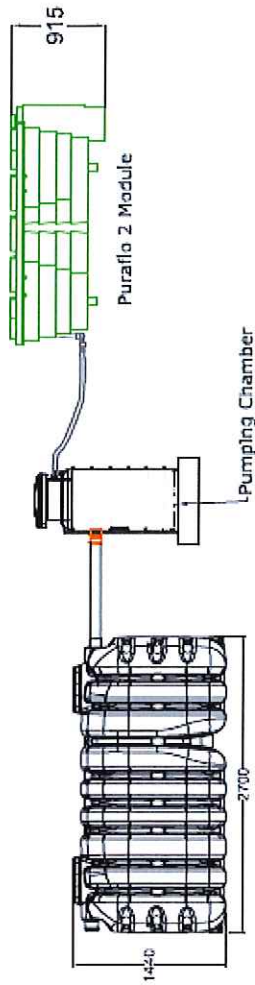
Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial Type Test (ITT) 6	not relevant	not relevant	Pass PIA2013-166B33	not relevant	not relevant
Compared model/tanks 6		Pass 2013 CERIB 2392 PIA2010-WD-0909-1057	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.77 m installation depth from inlet invert For dry ground conditions only, 0.10 m installation depth from inlet invert	Pass 2013 CERIB 2392 PIA2016-DH-1604-1056.01

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
7		Pass 2013 CERIB 2392 PIA2010-WD-0909-1057	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.77 m installation depth from inlet invert For dry ground conditions only, 0.10 m installation depth from inlet invert	Pass 2013 CERIB 2392 PIA2016-DH-1604-1056.01
9		Pass 2013 CERIB 2392 PIA2010-WD-0909-1057	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.77 m installation depth from inlet invert For dry ground conditions only, 0.10 m installation depth from inlet invert	Pass 2013 CERIB 2392 PIA2016-DH-1604-1056.01

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
11		<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2010-WD-0909-1057</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>For wet ground conditions also, 0.77 m installation depth from inlet invert</p> <p>For dry ground 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>
15		<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2010-WD-0909-1057</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>For wet ground conditions also, 0.77 m installation depth from inlet invert</p> <p>For dry ground 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>

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
18		<p>Pass</p> <p>2013 CERIB 2392</p> <p>PIA2010-WD-0909-1057</p>	<p>Pass</p> <p>Range conformity according to S.R. 66:2015</p>	<p>Pass</p> <p>2013 CERIB 2392</p> <p>For wet ground conditions also, 0.77 m installation depth from inlet invert</p> <p>PIA2010-ST-BT-0909-1057</p> <p>For dry ground 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

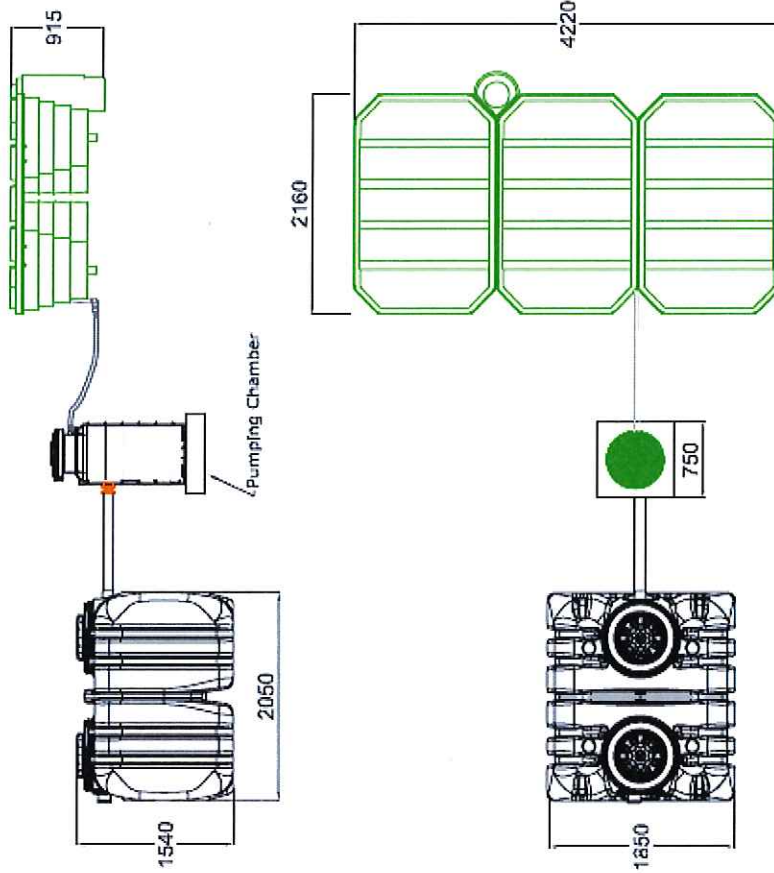


Puraflo 2 Module
(Each Module dimension 2160 X 1400 X 855)

BY		DATE		PRODUCT NAME		SCALE		PART NO:		SIZE	
KGS		16/11/2016		Vento P06 with Puraflo 2 Module						N/A	
TOLERANCE: +/-5				COUNTRY: IRELAND		REV. NO. 00.00		TANK REVISION: AA		DRAWING NO:	
MATERIAL: GRP				UNITS: MILLIMETERS						ISSUE DATE:	
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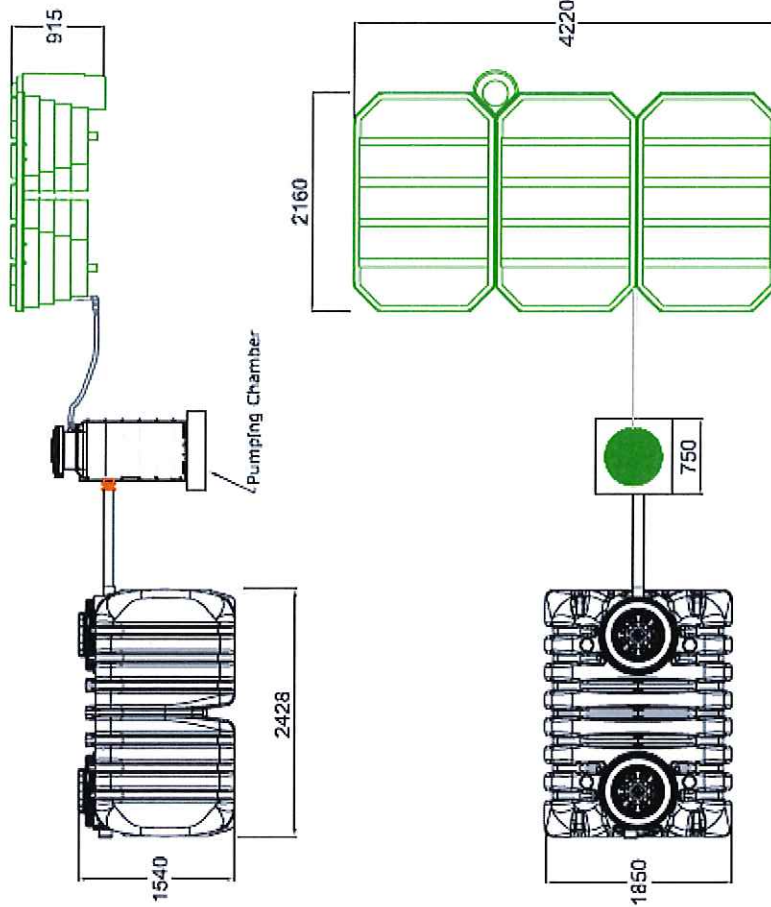


Puraflo 3 Module
(Each Module dimension 2160 X 1400 X 955)

BY:	KGS	DATE:	16/11/2016	PRODUCT NAME:	Vento P12 with Puraflo 3 Module		SCALE:	PART NO.:	SIZE:
DRAWN:	KGS			COUNTRY:	IRELAND	REV. NO.:	00.00		N/A
TOLERANCE:	+/-5			UNITS:	MILLIMETERS	TANK REVISION:	AA	DRWG NO.:	
MATERIAL:	GRP			TRICEL (KILLARNEY) UNLIMITED COMPANY RESERVES THE RIGHT TO CHANGE THE SPECIFICATION WITHOUT PRIOR NOTIFICATION. ISSUE DATE:					
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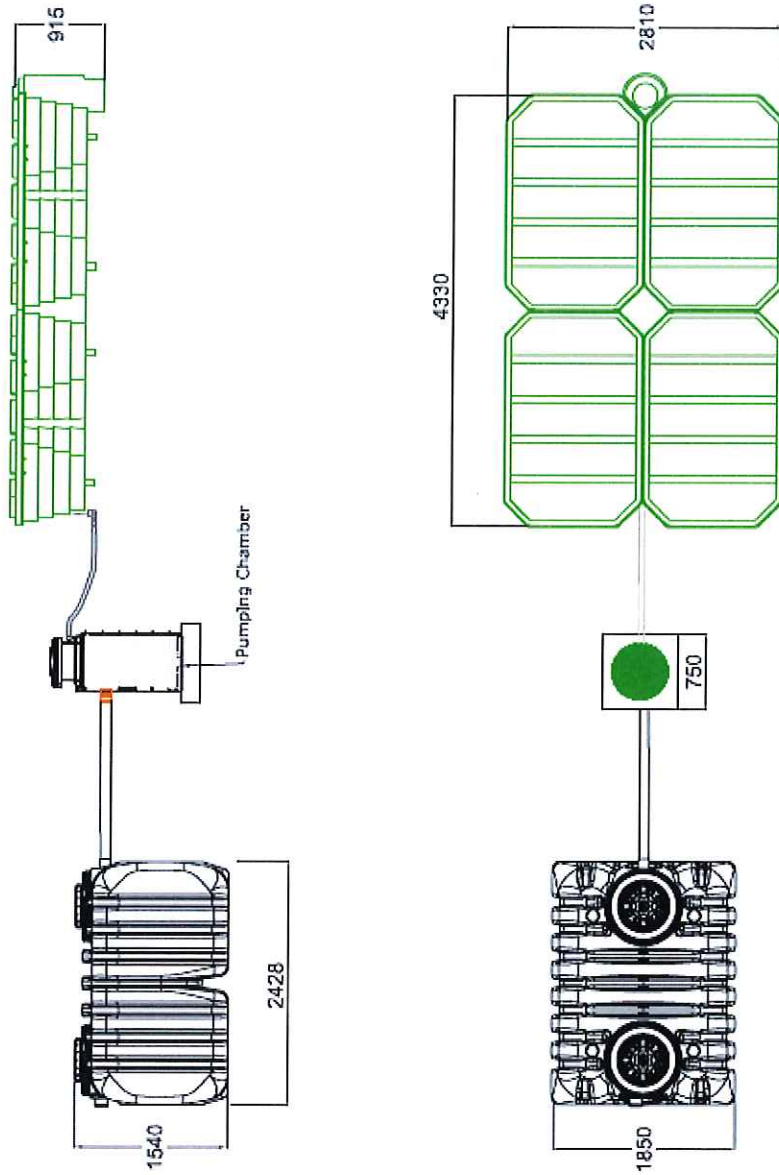


Puraflor 3 Module
(Each Module dimension 2160 X 1400 X 955)

DRAWING: KGS		DATE: 16/11/2016	PRODUCT NAME: Vento P20 with Puraflor 3 Module		SCALE:	PART NO:	SIZE:
TOLERANCE: +/-5			COUNTRY: IRELAND	REV. NO. 00.00			N/A
MATERIAL: GRP			UNITS: MILLIMETERS	TANK REVISION: AA		DRWG NO:	
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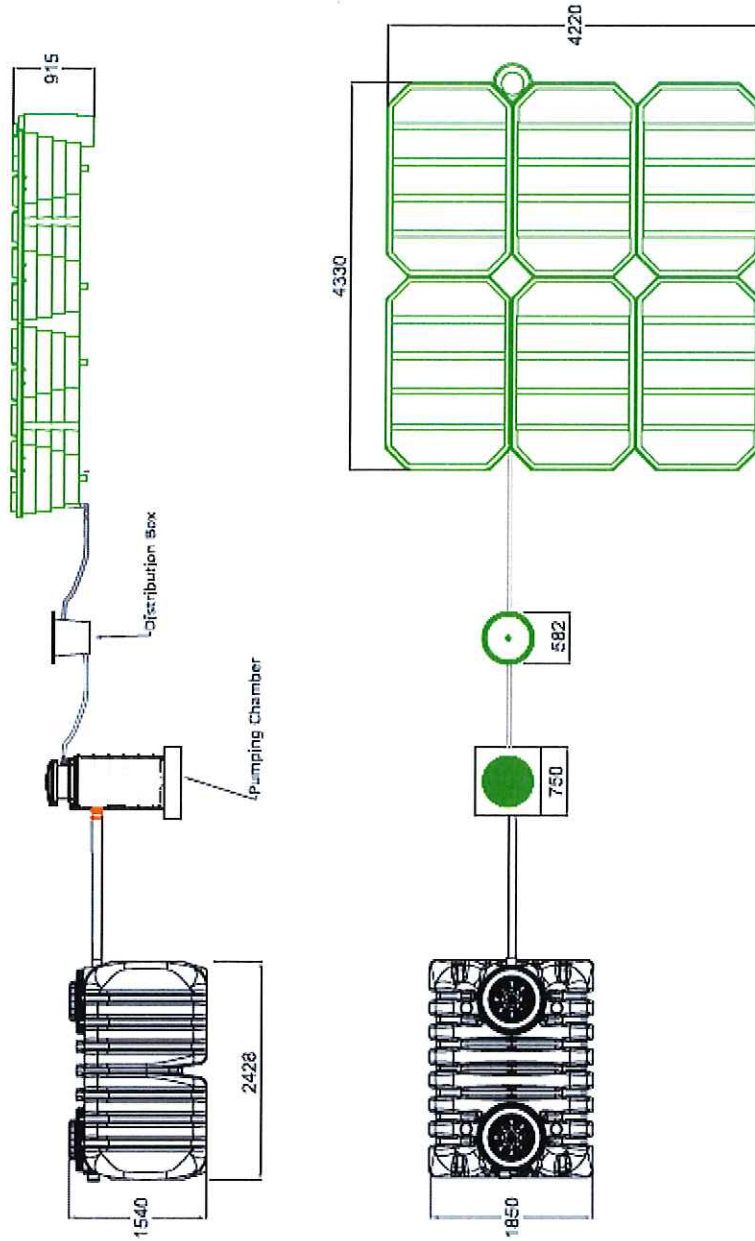


Puraflor 4 Module
(Each Module dimension 2160 X 1400 X 855)

DRAWN: KGS		DATE: 16/11/2016	PRODUCT NAME: Vento P20 with Puraflor 4 Module		SCALE:	PART NO:	SIZE: N/A
TOLERANCE: +/-5			COUNTRY: IRELAND	REV. NO. 00.00			
MATERIAL: GRP			UNITS: MILLIMETERS	TANK REVISION: AA		DRWG NO:	
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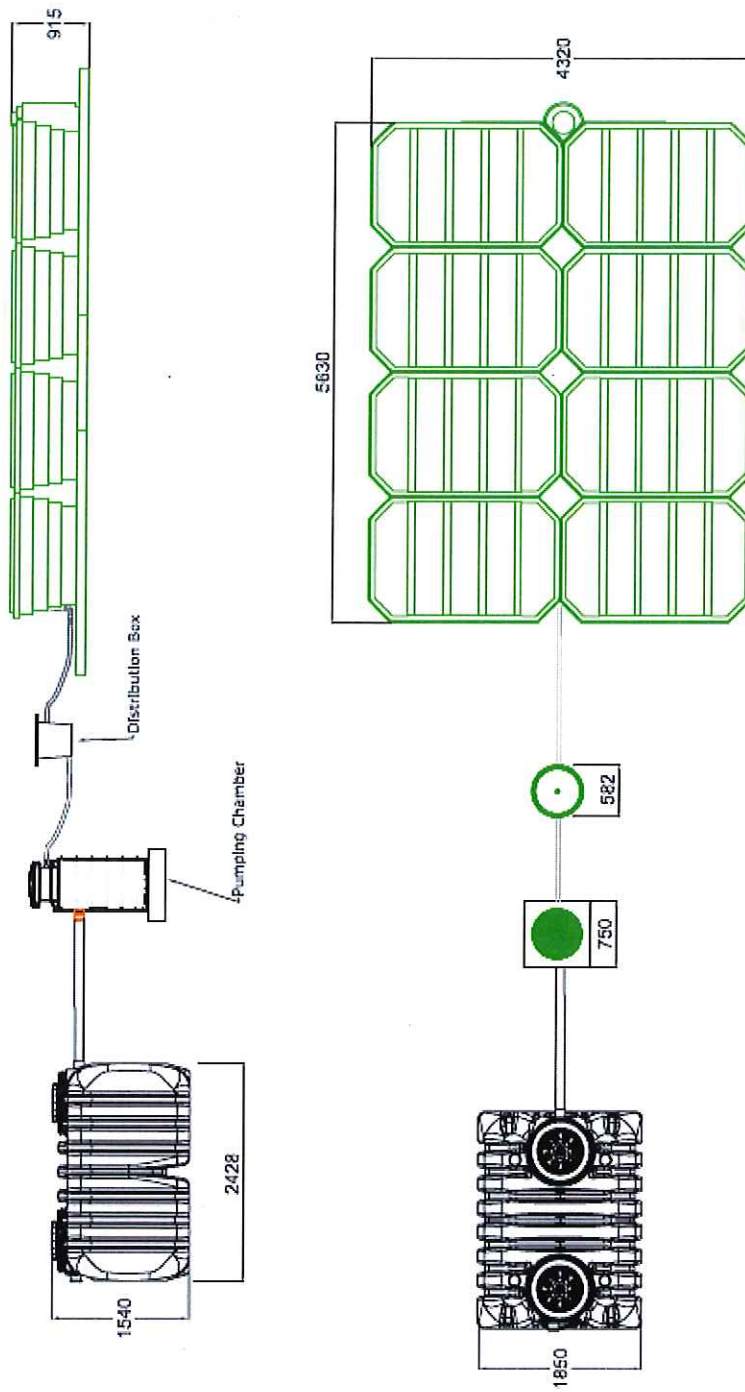


Puraflo 5 Module
(Each Module dimension 2150 X 1400 X 555)

BY	DATE	PRODUCT NAME:	SCALE	PART NO:	SIZE
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TOLERANCE		COUNTRY: IRELAND	REV. NO. 00.00		
MATERIAL		UNITS: MILLIMETERS	TANK REVISION: AA		
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BY:	KGS	DATE:	16/11/2016	PRODUCT NAME:	Vento P20 with Puraflo 8 Module		SCALE:	PART NO.:	SIZE:
TOLERANCE:	+/-5			COUNTRY:	IRELAND	REV. NO.	00.00		N/A
MATERIAL:	GRP			UNITS:	MILLIMETERS	TANK REVISION:	AA	DRWG NO.:	
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