



TREATMENT PERFORMANCE RESULTS

PIA-SR66-2206-1039

Tricel

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

EN 12566-6

Results corresponding to EN 12566-6 and S.R. 66

Coconut Fibre Puraflo Filter System

| | | | |
|---|-----------------------------|----------|----------|
| Nominal organic daily load (influent) | 0.19 kg BOD ₅ /d | | |
| Nominal hydraulic daily load | 1.2 m ³ /d | | |
| Material | Polyethylene | | |
| Watertightness | Pass | | |
| Crushing resistance | Pass (dry conditions) | | |
| Durability | Pass | | |
| Treatment efficiency (nominal sequences) | Efficiency | Effluent | |
| | COD | 84.6 % | 54 mg/l |
| | BOD ₅ | 93.1 % | 11 mg/l |
| | NH ₄ -N* | 85.0 % | 5.6 mg/l |
| | SS | 89.0 % | 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.

PIA – Sustainable Certification
M. Wermter
D. Schmitz
geprüft – tested – testé



Notified Body
No.: 1739

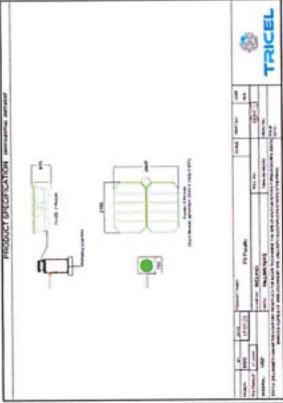
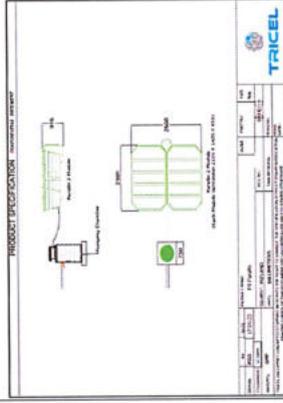


Certified according to
ISO 9001:2015

M. Wermter / D. Schmitz

July 2022

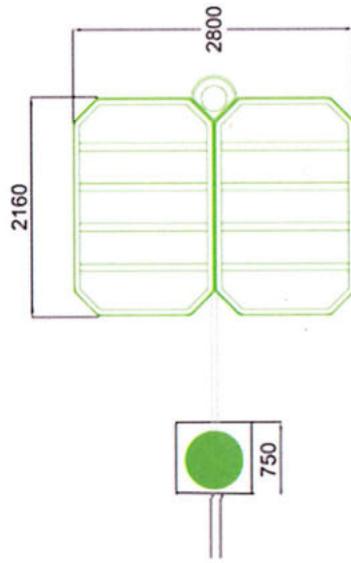
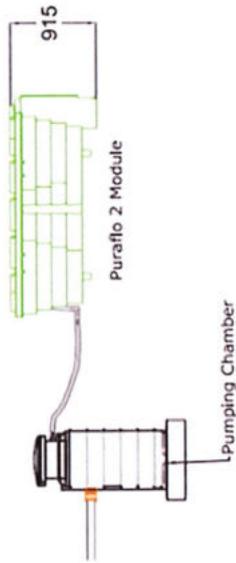
Coconut Fibre Puraflo range and its referring test reports:

| 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 |  | Pass PIA2010-WD-0909-1057 | Pass Range conformity check according to S.R. 66:2015 | Pass PIA2010-ST-BT-0909-1057 For dry conditions only, 0.10 m installation depth from inlet invert | Pass PIA2016-DH-1604-1056.01 |
| Initial type test (ITT) 8 1,200 l/d |  | Pass PIA2010-WD-0909-1057 | Pass PIA2022-406B04 | Pass For dry conditions only, 0.10 m installation depth from inlet invert | Pass PIA2016-DH-1604-1056.01 |

| | | | | | |
|-------------------------|--|--------------------------------------|--|--|---|
| <p>12 1,800 l/d</p> | | <p>Pass PIA2010-WD-0909-1057</p> | <p>Pass Range conformity check according to S.R. 66:2015</p> | <p>Pass For dry conditions only, 0.10 m installation depth from inlet invert</p> | <p>Pass PIA2016-DH-1604-1056.01</p> |
| <p>16 2,400 l/d</p> | | <p>Pass PIA2010-WD-0909-1057</p> | <p>Pass Range conformity check according to S.R. 66:2015</p> | <p>Pass For dry conditions only, 0.10 m installation depth from inlet invert</p> | <p>Pass PIA2016-DH-1604-1056.01</p> |
| <p>24 3,600 l/d</p> | | <p>Pass PIA2010-WD-0909-1057</p> | <p>Pass Range conformity check according to S.R. 66:2015</p> | <p>Pass For dry conditions only, 0.10 m installation depth from inlet invert</p> | <p>Pass PIA2016-DH-1604-1056.01</p> |

| | | | | | |
|-------------------------|--|--------------------------------------|--|--|---|
| <p>32 4,800 l/d</p> | | <p>Pass PIA2010-WD-0909-1057</p> | <p>Pass Range conformity check according to S.R. 66:2015</p> | <p>Pass For dry conditions only, 0.10 m installation depth from inlet invert</p> | <p>Pass PIA2016-DH-1604-1056.01</p> |
| <p>40 6,000 l/d</p> | | <p>Pass PIA2010-WD-0909-1057</p> | <p>Pass Range conformity check according to S.R. 66:2015</p> | <p>Pass For dry conditions only, 0.10 m installation depth from inlet invert</p> | <p>Pass PIA2016-DH-1604-1056.01</p> |
| <p>48 7,200 l/d</p> | | <p>Pass PIA2010-WD-0909-1057</p> | <p>Pass Range conformity check according to S.R. 66:2015</p> | <p>Pass For dry conditions only, 0.10 m installation depth from inlet invert</p> | <p>Pass PIA2016-DH-1604-1056.01</p> |

PRODUCT SPECIFICATION *CONFIDENTIAL DOCUMENT*



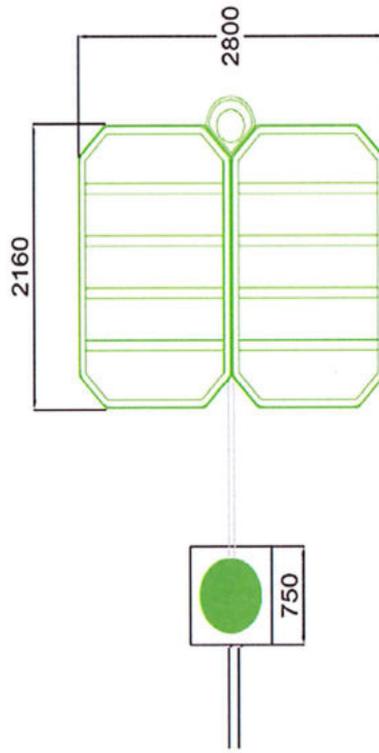
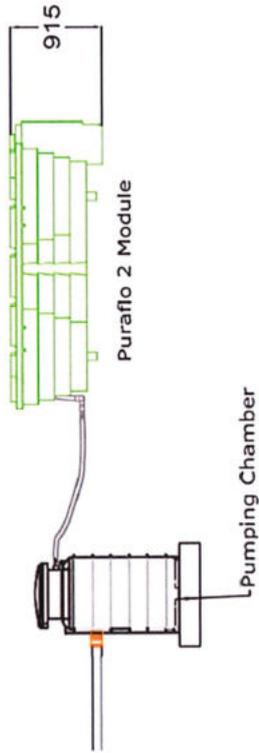
Puraflo 2 Module
(Each Module dimension 2160 X 1400 X 855)

| | | | | | | | |
|---|--|----------------|--------------------------|--|----------------|----------|-----------|
| DRAWN: KGS | | DATE: 17/05/22 | PRODUCT NAME: P6 Puraflo | | SCALE: | PART NO: | SIZE: N/A |
| TOLERANCE: +/- 10mm | | | COUNTRY: IRELAND | | REV. NO. | | |
| MATERIAL: GRP | | | UNITS: MILLIMETERS | | TANK REVISION: | DRWG NO: | |
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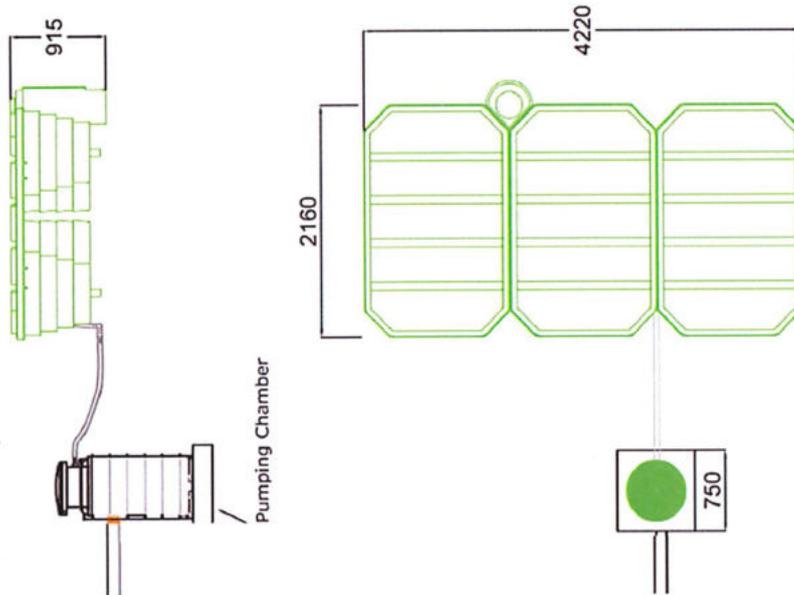


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|--|--|--------------------|--------------------------|----------------|----------|----------|-----------|
| BY: KGS | | DATE: 17/05/22 | PRODUCT NAME: P8 Puraflo | | SCALE: | PART NO: | SIZE: N/A |
| TOLERANCE: +/- 10mm | | COUNTRY: IRELAND | | REV. NO.: | | | |
| MATERIAL: GRP | | UNITS: MILLIMETERS | | TANK REVISION: | DRWG NO: | | |
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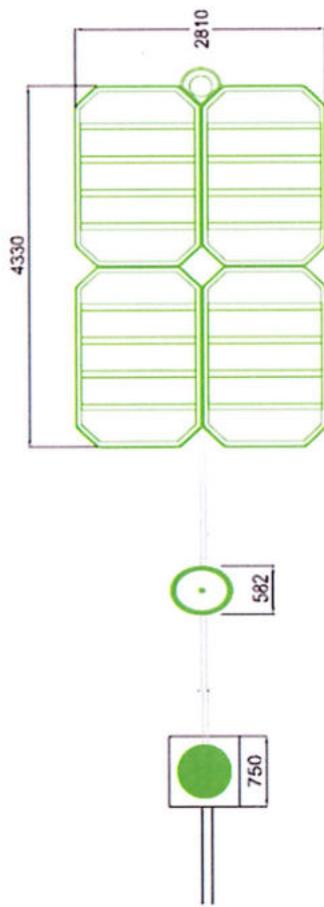
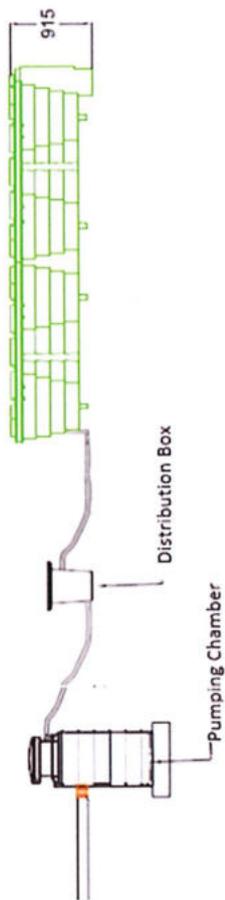
Puraflo 3 Module
(Each Module dimension 2160 X 1400 X 855)

| | | | | | |
|---|----------|--------------------|----------------|----------|-------------|
| BY: | DATE: | PRODUCT NAME: | SCALE: | PART NO: | SIZE: |
| DRAWN: | 17/05/22 | P12 Puraflo | | | N/A |
| TOLERANCE: | | COUNTRY: IRELAND | REV. NO. | | |
| MATERIAL: | | UNITS: MILLIMETERS | TANK REVISION: | DRWG NO: | ISSUE DATE: |
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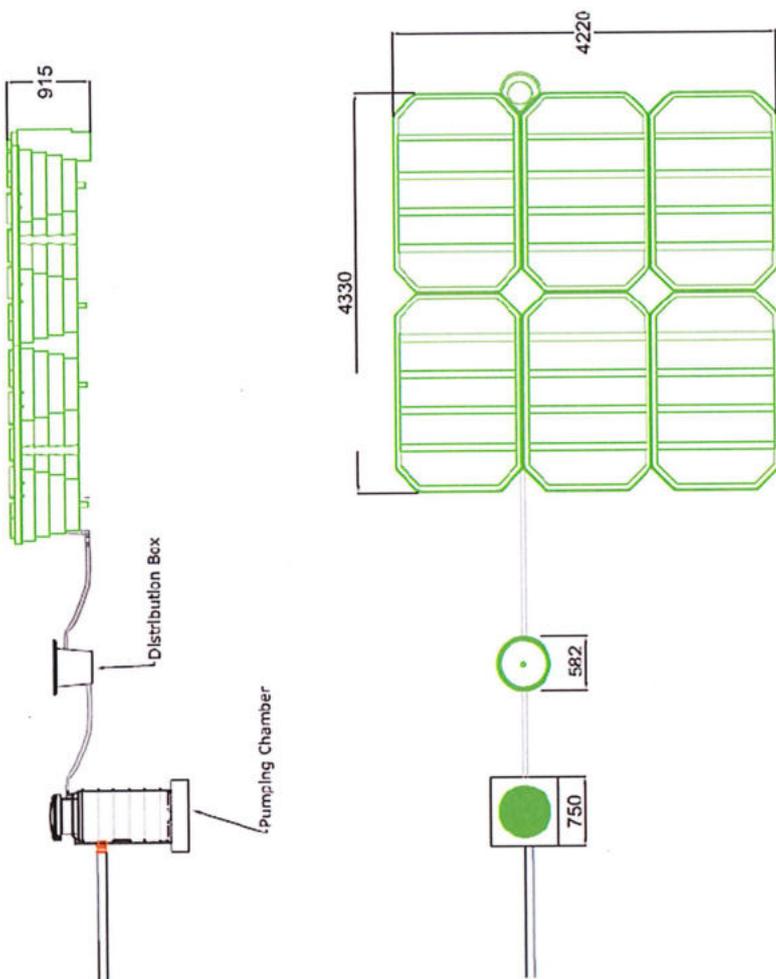
Puraflo 4 Module
(Each Module dimension 2160 X 1400 X 855)

| | | | | | | | | | | | |
|--|--|-----------|--|--------------------|--|----------|--|----------------|--|--------------|--|
| BY: | | DATE: | | PRODUCT NAME: | | SCALE: | | PART NO: | | SIZE: | |
| DRAWN: | | 17/05/202 | | P16 Puraflo | | | | | | N/A | |
| TOLERANCE: | | +/- 10mm | | COUNTRY: IRELAND | | REV. NO. | | TANK REVISION: | | DRWG NO: | |
| MATERIAL: | | GRP | | UNITS: MILLIMETERS | | | | | | ISSUE DATE:: | |
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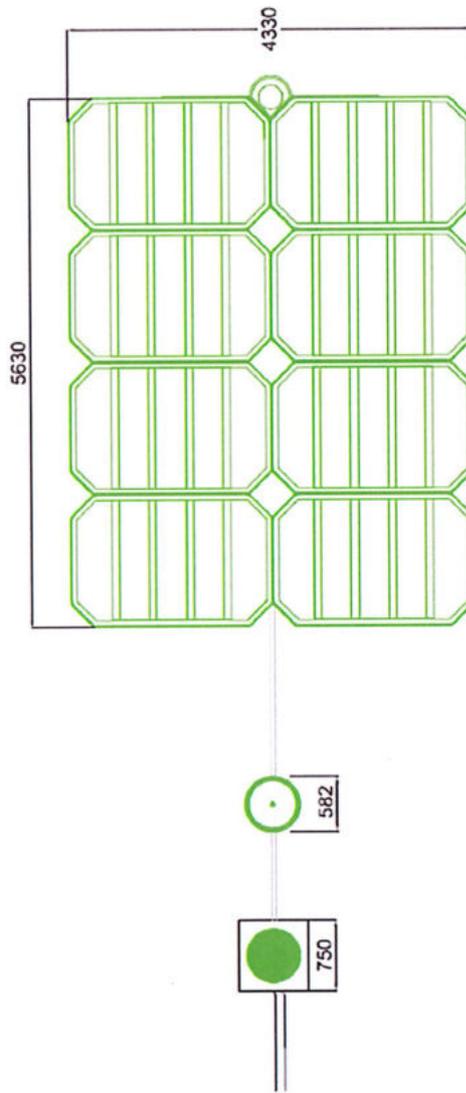
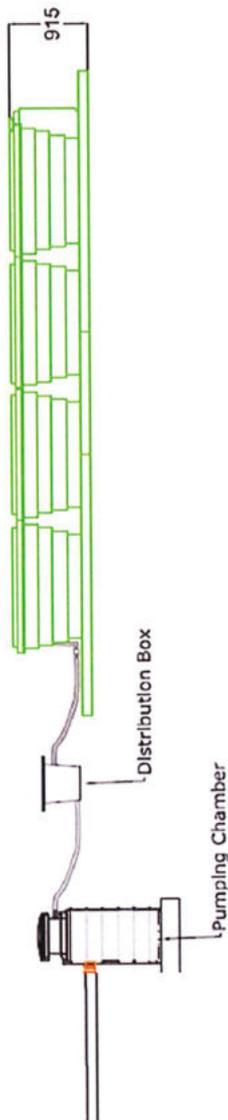
PRODUCT SPECIFICATION CONFIDENTIAL DOCUMENT



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

| | | | | |
|---|----------------|---|----------|------|
| | | SCALE | FART NO: | SIZE |
| PRODUCT NAME: P24 Puraflo | | REV. NO. | | N/A |
| COUNTRY : IRELAND UNITS: MILLIMETERS | | TANK REVISION: | DRWG NO: | |
| DRAWN: KGS TOLERANCE: +/-10mm MATERIAL: GRP | DATE: 17/05/22 | TRICEL (KILLARNEY) UNLIMITED COMPANY RESERVES THE RIGHT TO CHANGE THE SPECIFICATION WITHOUT PRIOR NOTIFICATION, ISSUE DATE: PRINTED COPIES OF THIS DOCUMENT ARE UNCONTROLLED UNLESS STATED OTHERWISE | | |

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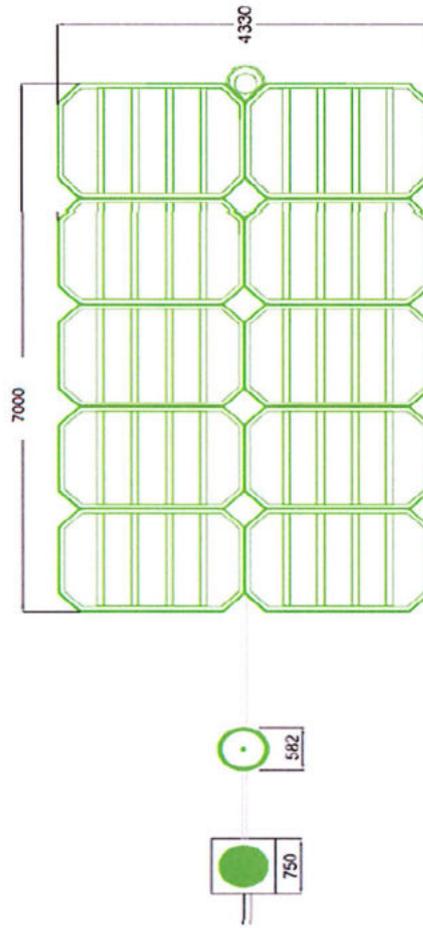
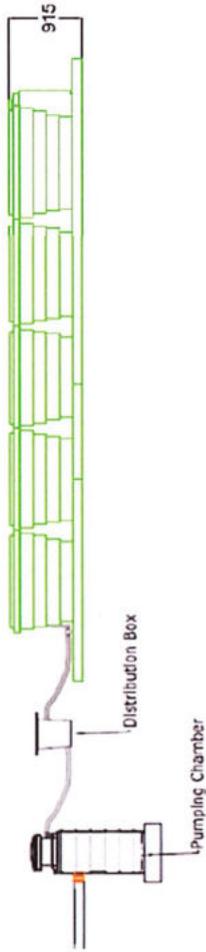
Puraflo 8 Module
(Each Module dimension 2160 X 1400 X 855)



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| | | | | | |
|--|----------|--|----------------|----------|------|
| BY | DATE | PRODUCT NAME: | SCALE | PART NO: | SIZE |
| KGS | 17/05/22 | P32 Puraflo | | | N/A |
| DRAWN: | | COUNTRY : IRELAND | REV. NO. | | |
| TOLERANCE: | +/-10mm | UNITS: MILLIMETERS | TANK REVISION: | DRWG NO: | |
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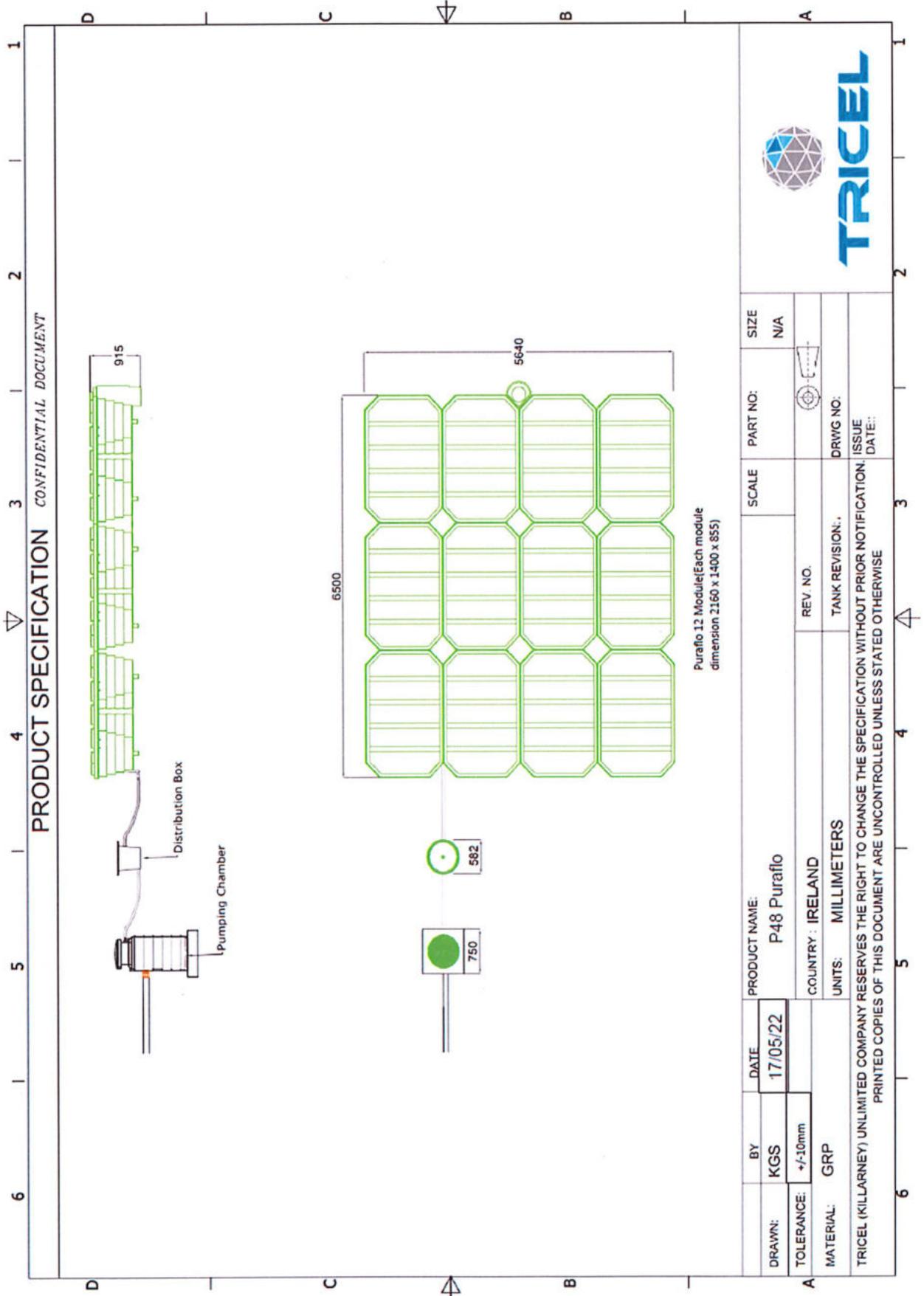


Puraflo 10 Module (Each module dimension 2160 x 1400 x 855)

| | | | | | | | | | |
|------------|---------|-------|----------|---|-------------|-------------------------|----------|-------|-----|
| BY: | KGS | DATE: | 17/05/22 | PRODUCT NAME: | P40 Puraflo | SCALE: | PART NO: | SIZE: | N/A |
| DRAWN: | | | | COUNTRY: | IRELAND | REV. NO.: | | | |
| TOLERANCE: | +/-10mm | | | UNITS: | MILLIMETERS | TANK REVISION: | | | |
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| | | | | | |
|------------|----------|---|----------------|----------|------|
| BY | DATE | PRODUCT NAME: | SCALE | PART NO: | SIZE |
| KGS | 17/05/22 | P48 Puraflo | | | N/A |
| TOLERANCE: | | COUNTRY : IRELAND | REV. NO. | | |
| +/-10mm | | UNITS: MILLIMETERS | TANK REVISION: | DRWG NO: | |
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