



TREATMENT PERFORMANCE RESULTS

Initial type test: **ATB Umwelttechnologien GmbH (now ATB WATER GmbH)**

Distributed by **CMD Environmental**

Südstr. 2, 32457 Porta Westfalica, Germany

EN 12566-3

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

PIA-SR66-2104-1019, shared itt

Aquamax

Sequence batch system from ATB (initial type test) in
combination with CMD concrete tanks

Nominal organic daily load	0.39 kg/d		
Nominal hydraulic daily load	1.20 m³/d		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	93.3 %	53 mg/l
	BOD ₅	96.7 %	11 mg/l
	NH ₄ -N	65.6 %	12 mg/l
	SS	93.0 %	24 mg/l
Number of desludging	Not more than once		
Electrical consumption	1.2 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 9001:2015



Martina Wermter

April 2021



TREATMENT PERFORMANCE RESULTS

Initial type test performed by **CMD Environmental Concrete Tanks**
No. 3 Farrell Street, A82 NX09, Kells, Co. Meath, Ireland

EN 12566-3 Annex A and C

Results corresponding to EN 12566-3 and S.R. 66
PIA-SR66-2104-1019, shared itt

CMD Environmental Concrete Tanks

CMD Environmental Concrete Tanks in combination with
ATB treatment kit Aquamax (sequence batch system)

Material	Concrete
Watertightness	Pass
Structural behaviour	Pass (also wet conditions)
Durability	Pass

Performance tested by:

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

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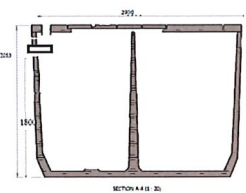
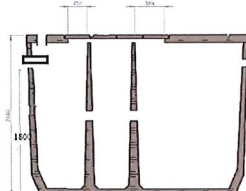
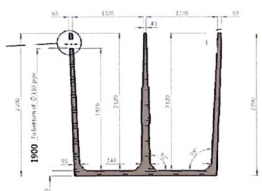
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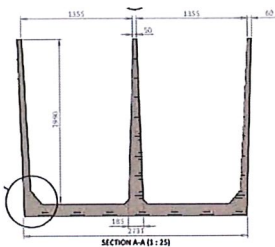
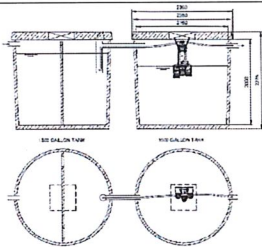
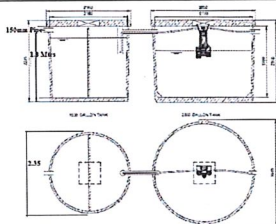


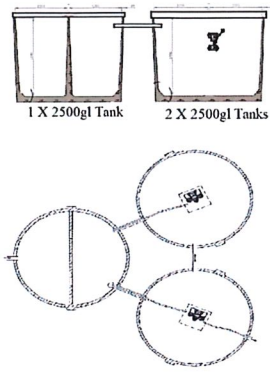
Daniela Schmitz

April 2021

Aquamax range shared ITT 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 PIA2017-287B21	not relevant	not relevant
Compared tank 8		Pass PIA2021-WD-2104-1019	Pass Shared ITT conformity check according to S.R. 66:2015	Pass For wet ground conditions also, installation depth 1.25 m from inlet invert	PIA2021-DH-2104-1019
6		Pass PIA2021-WD-2104-1019	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, installation depth 1.25 m from inlet invert	PIA2021-DH-2104-1019
11		Pass PIA2021-WD-2104-1019	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, installation depth 1.25 m from inlet invert	PIA2021-DH-2104-1019

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
16		Pass PIA2021-WD-2104-1019	Pass Range conformity according to S.R. 66:2015	Pass PIA2021-ST-BT-2104-1019 For wet ground conditions also, installation depth 1.25 m from inlet invert	PIA2021-DH-2104-1019
22		Pass PIA2021-WD-2104-1019	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, installation depth 1.25 m from inlet invert	PIA2021-DH-2104-1019
36		Pass PIA2021-WD-2104-1019	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, installation depth 1.25 m from inlet invert	PIA2021-DH-2104-1019

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
50		Pass PIA2021-WD-2104-1019	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, installation depth 1.25 m from inlet invert	PIA2021-DH-2104-1019

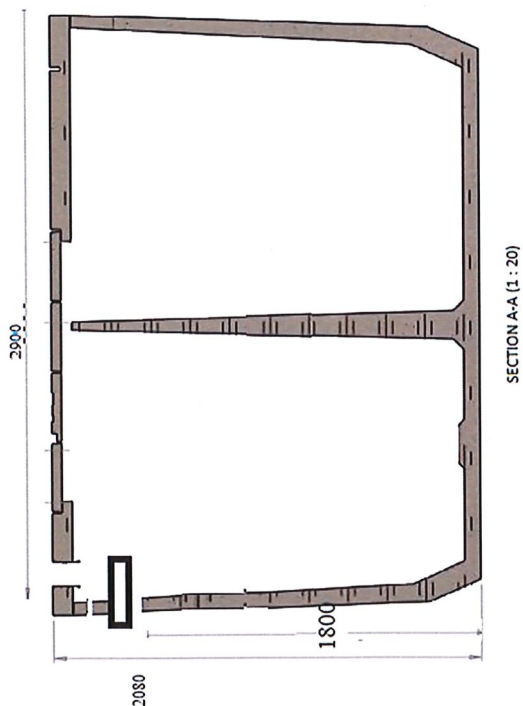
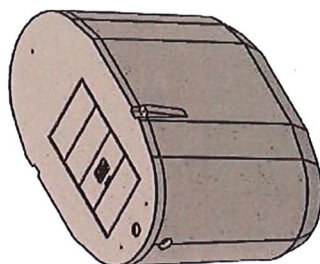
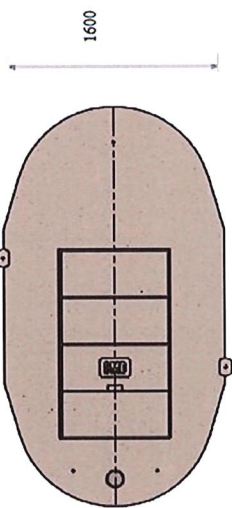
Compared tank

8PE Concrete Tank

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AQUA^{max}

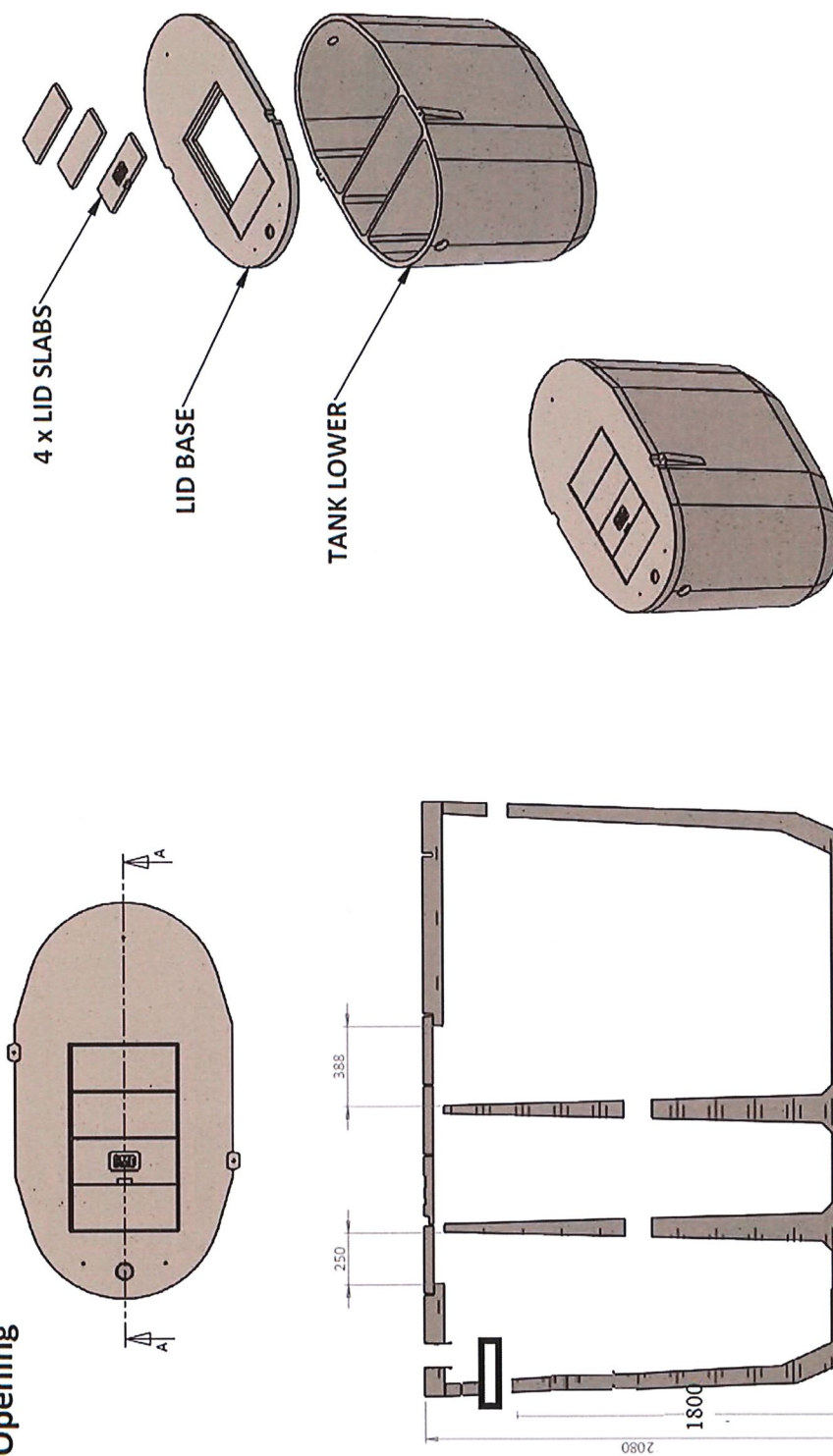
Total Weight: 5010kg

4 Slab Opening



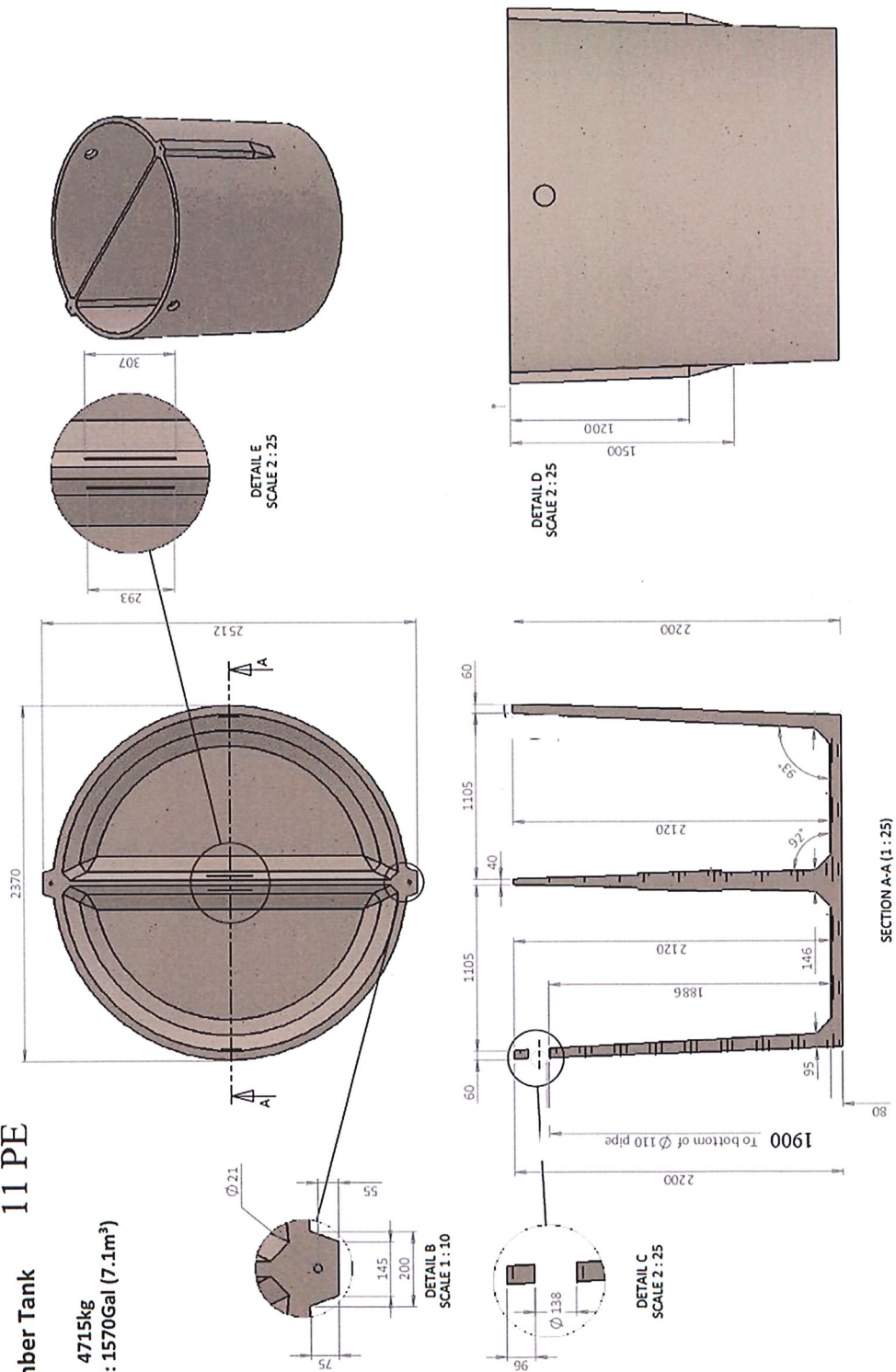
Cmd Environmental Ltd
AQUAmax
6PE Tank
4 Slab Opening

Total Weight: 5010kg



2 Chamber Tank 11 PE

Weight: 4715kg
Capacity: 1570Gal (7.1m³)



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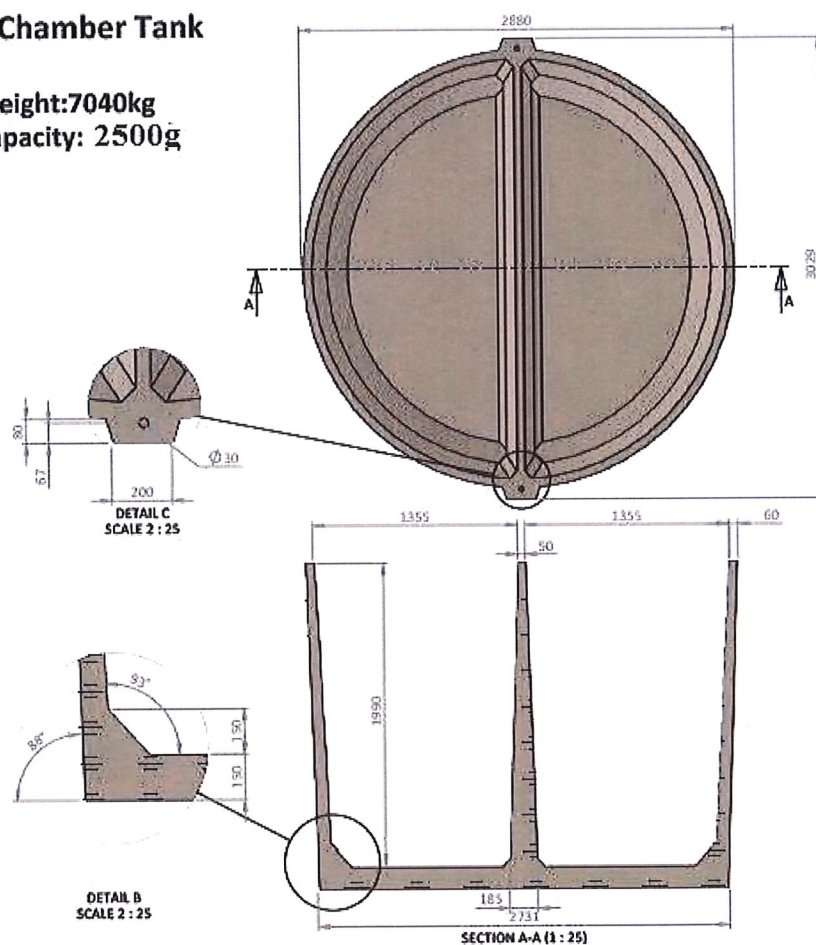
16PE

AQUAmax

2 Chamber Tank

Weight: 7040kg

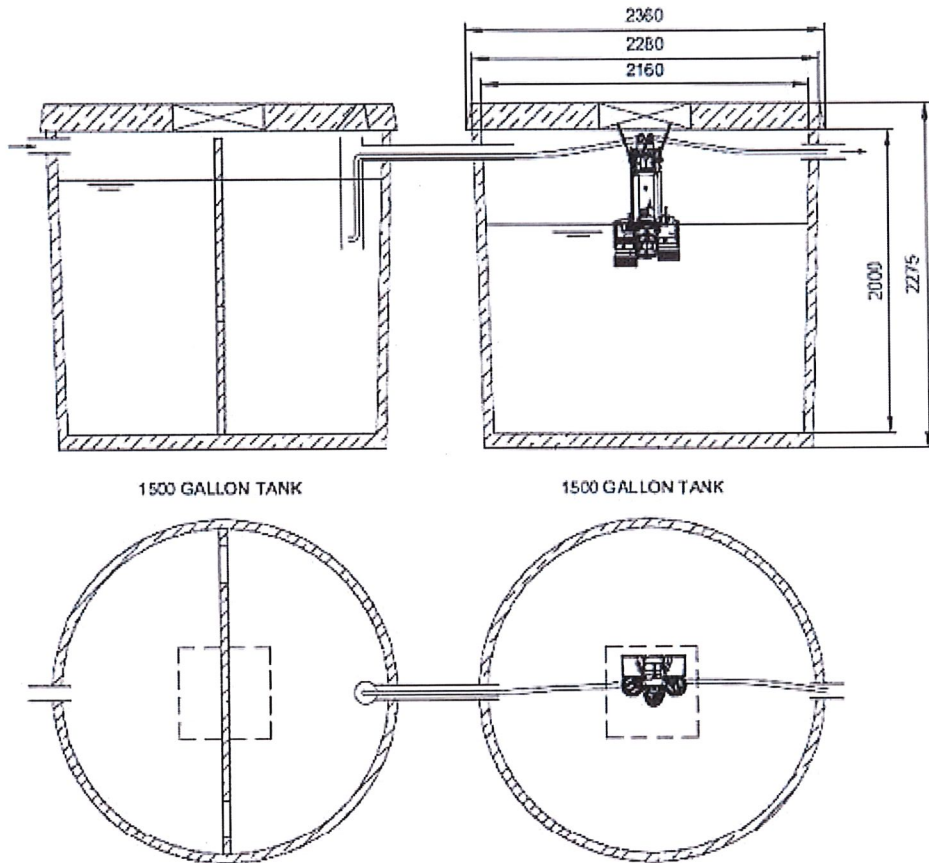
Capacity: 2500g



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22 PE

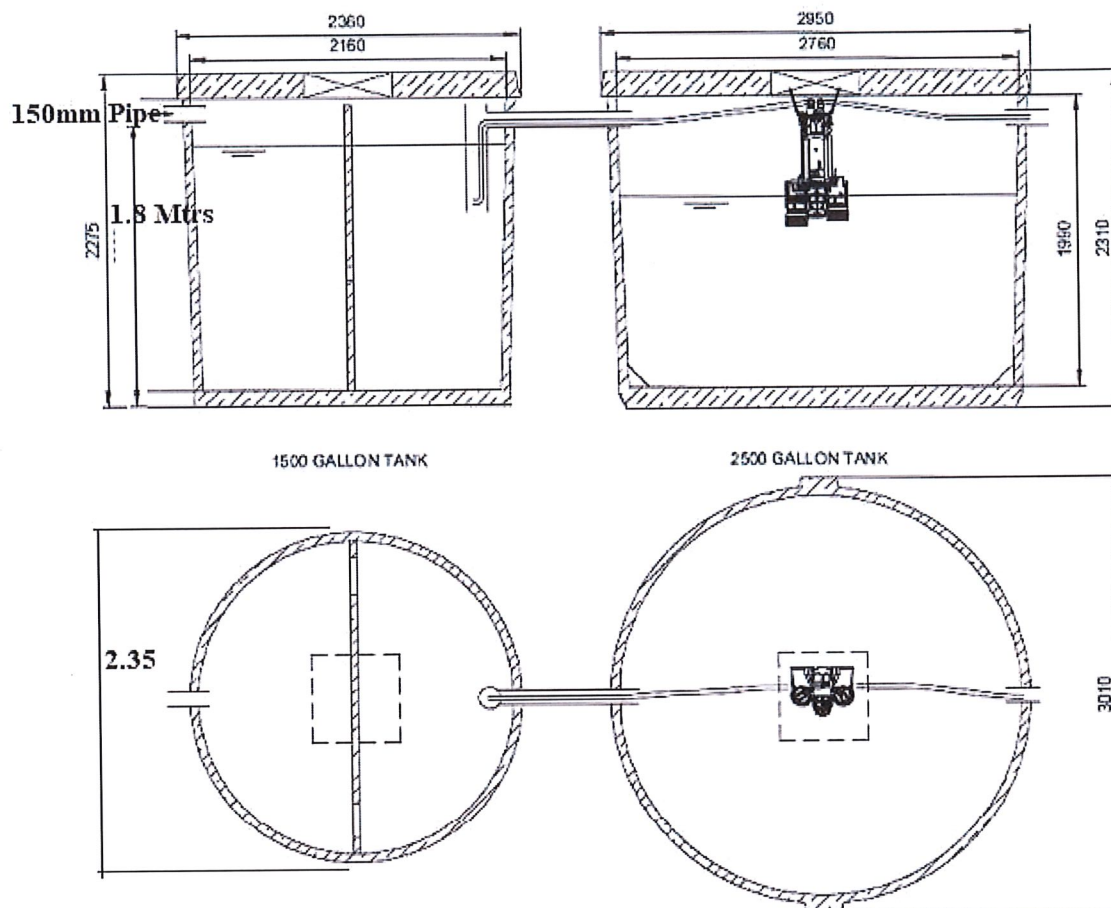
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36 PE

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50PE

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