

TREATMENT PERFORMANCE RESULTS

Initial type test performed by **Kordes KLD GmbH**
Distributed by **Klärtechnik Reinhardt GmbH**
Albert-Einstein-Str. 20, 23701 Eutin, Germany

EN 12566-3 Annex B

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

PIA-SR66-1606-1069

Small wastewater treatment system Klärmax Ideal

One-chamber SBR system in PE tank with additional sludge storage (initial type test) in combination with Turley Bros tanks

Nominal organic daily load	0.25 kg/d		
Nominal hydraulic daily load	0.75 m ³ /d		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
		COD	96.3 % 25 mg/l
		BOD ₅	99.0 % 3 mg/l
		NH ₄ -N	98.4 % 0.7 mg/l
		SS	98.8 % 4 mg/l
Number of desludging	Not more than once		
Electrical consumption	0.69 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
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geprüft - tested - testé

Elmar Lancé

November 2016

TREATMENT PERFORMANCE RESULTS

Turley Bros
7 Corcreechy Road, Newry, Co. Down, Northern Ireland

EN 12566-3 Annex A, C
Results corresponding to EN 12566-3 and S.R. 66
PIA-SR66-1606-1069

Turley Bros Treatment Tank
Concrete tanks for one-chamber SBR process with additional sludge storage
in combination with Klärtechnik Reinhardt treatment kit

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

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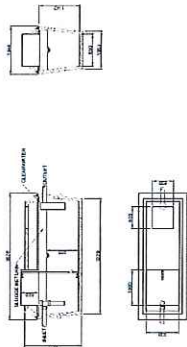
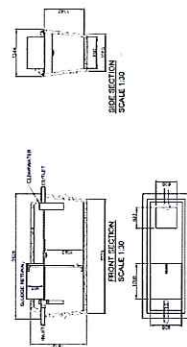


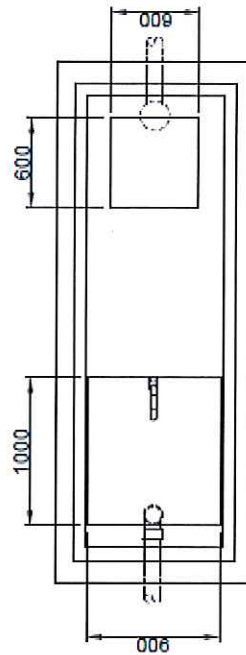
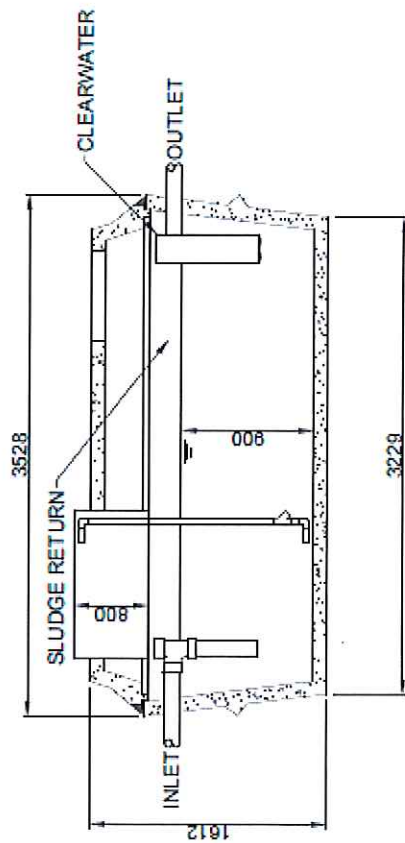
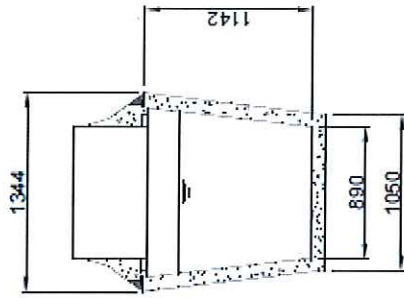
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geprüft - tested - teste

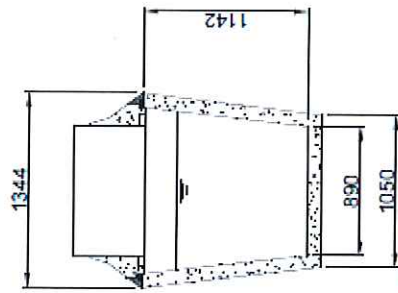
Elmar Lancé

November 2016

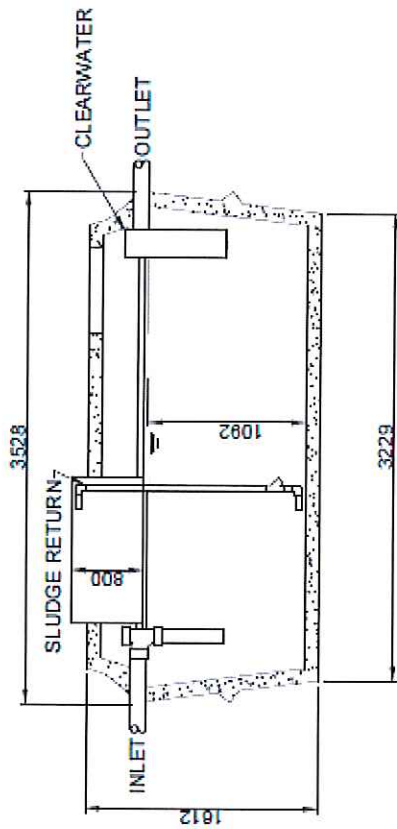
Klärmax range shared ITT and its referring test reports:

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) 5	Not relevant	Not relevant	Pass PIA2014-192B26.02 Pass	Not relevant	Not relevant
Compared Tank 5		Pass PIA2014-WD/NC-1403-1015.02SC	Pass Shared itt conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 0.70 m installation depth from inlet invert	Pass PIA2016-DH-1606-1069.01
8		Pass PIA2014-WD/NC-1403-1015.02SC	Pass Range conformity check according to S.R. 66:2015	Pass PIA2014-ST-BT-1403-1015.02/SC For wet ground conditions also, 0.70 m installation depth from inlet invert	Pass PIA2016-DH-1606-1069.01





SIDE SECTION
SCALE 1:30



FRONT SECTION
SCALE 1:30

