

Prüfinstitut für
Abwassertechnik
GmbH

TREATMENT PERFORMANCE RESULTS

Initial type test performed by **Bokatec**

Distributed by **PPU Umwelttechnik GmbH + Biocell Ireland**

95448 Bayreuth, Germany / Galway, Ireland

EN 12566-3 Annex B

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

PIA-SR66-1604-1049, shared itt

Small wastewater treatment system Biocell-FBS

Fluidized bed process with throttle in final settlement chamber (initial type test) in combination with Shay Murtagh tanks

Nominal organic daily load	0.27 kg/d		
Nominal hydraulic daily load	0.75 m³/d		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	92.6 %	54 mg/l
	BOD ₅	96.5 %	12 mg/l
	NH ₄ -N	74.0 %	10 mg/l
	SS	96.8 %	11 mg/l
Number of desludging	Not more than once		
Electrical consumption	0.46 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



Deutsche
Akkreditierungsstelle
D-PL-17712-01-00

Prüfinstitut für Abwassertechnik GmbH
Geprüft - tested - teste

Elmar Lancé

November 2016

TREATMENT PERFORMANCE RESULTS

Initial type test performed by **Shay Murtagh**
 Distributed by **PPU Umwelttechnik GmbH + Biocell Ireland**

EN 12566-3 Annex A and C
 Results corresponding to EN 12566-3 and S.R. 66
 PIA-SR66-1604-1049, shared itt

Concrete tank
 Concrete tanks for Fluidized bed process with throttle in final settlement
 chamber in combination with Biocell-FBS kit

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

Performance tested by:

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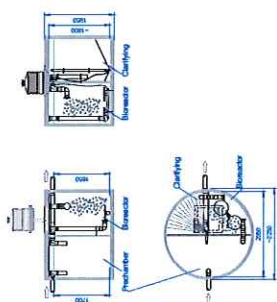
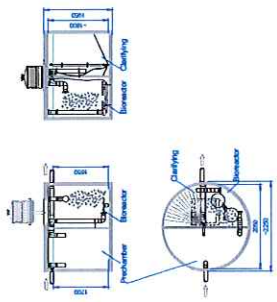
Prüfinstitut für Abwassertechnik GmbH

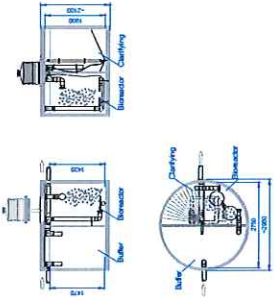
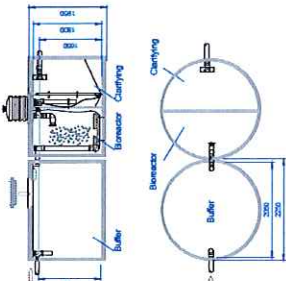
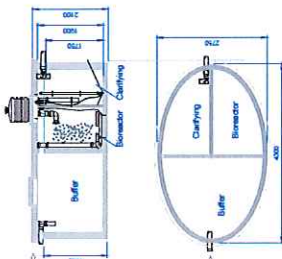
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FBS range shared ITT and its referring test reports:

Population equivalent (PE)	Drawing of model of the range	Water-tightness (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 PIA2013-199B10b.d.01	Not relevant	Not relevant
Compared Tank 5		Pass PIA2016-WD-1602-1025.01	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-1602-1025.01
8		Pass PIA2016-WD-1602-1025.01	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.70 m installation depth from inlet invert	Pass PIA2016-DH-1602-1025.01

12		Pass PIA2016-WD-1602-1025.01	Pass Range conformity according to S.R. 66:2015	Pass PIA2016-ST-BT-1602-1025B.01 For wet ground conditions also, 0.70 m installation depth from inlet invert	Pass PIA2016-DH-1602-1025.01
16		Pass PIA2016-WD-1602-1025.01	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.70 m installation depth from inlet invert	Pass PIA2016-DH-1602-1025.01
20		Pass PIA2016-WD-1602-1025.01	Pass Range conformity according to S.R. 66:2015	Pass PIA2016-ST-BT-1602-1025A.01 Pass For wet ground conditions also, 0.70 m installation depth from inlet invert	Pass PIA2016-DH-1602-1025.01



24		Pass PIA2016- WD-1602- 1025.01	Pass Range conformity according to S.R. 66:2015	Pass Pass For wet ground conditions also, 0.70 m installation depth from inlet invert	Pass PIA2016- DH- 1602- 1025.01
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