



Prüfinstitut für
Abwassertechnik
GmbH

TREATMENT PERFORMANCE RESULTS

Initial type test performed by **Ingenieurbüro 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-SR66-1609-1111, shared itt

Small wastewater treatment system Biocell-QuickONE+

Completely aerated SBR treatment process in a one chamber tank (initial type test) in
combination with aquaplast tanks

Nominal organic daily load	0.23 kg/d		
Nominal hydraulic daily load	0.75 m³/d		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	93.7 %	48 mg/l
	BOD ₅	98.1 %	6 mg/l
	NH ₄ -N	99.4 %	0.2 mg/l
	SS	95.8 %	17 mg/l
Number of desludging	Not more than once		
Electrical consumption	0.52 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 **aquaplast**
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-SR66-1609-1111, shared itt

PE-Tank

PE tanks for completely aerated SBR treatment process in one
chamber in combination with Biocell-QuickONE+ Kit

Material	Polyethylene (PE)
Watertightness	Pass
Structural behaviour (PIT Test)	Pass (also wet conditions)
Durability	Pass

Performance tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH
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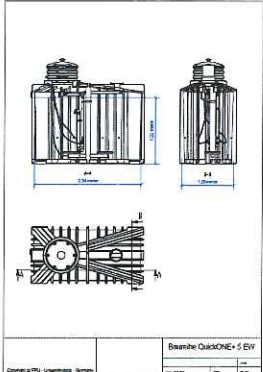
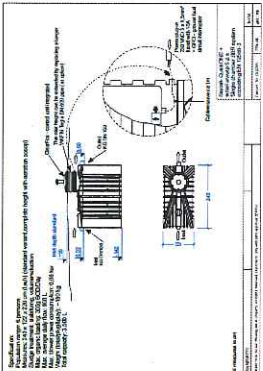
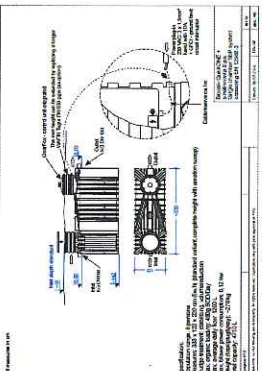
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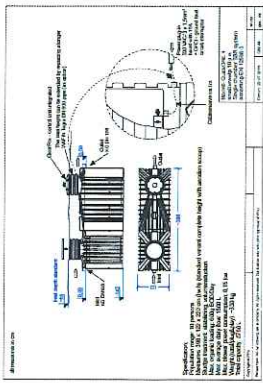
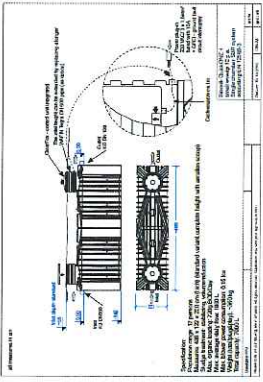
Prüfinstitut für Abwassertechnik GmbH
geprüft - tested - teste

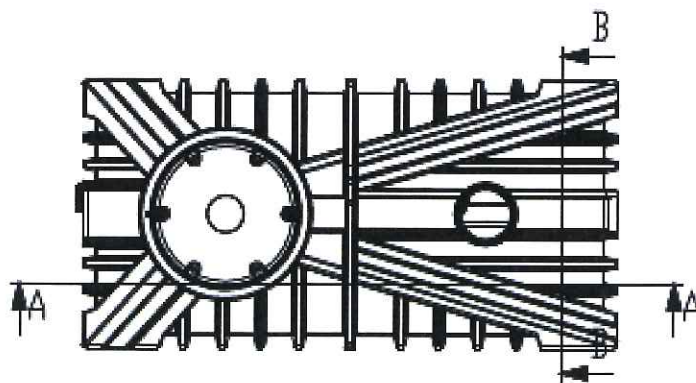
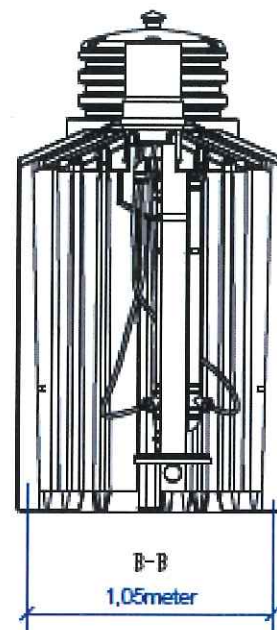
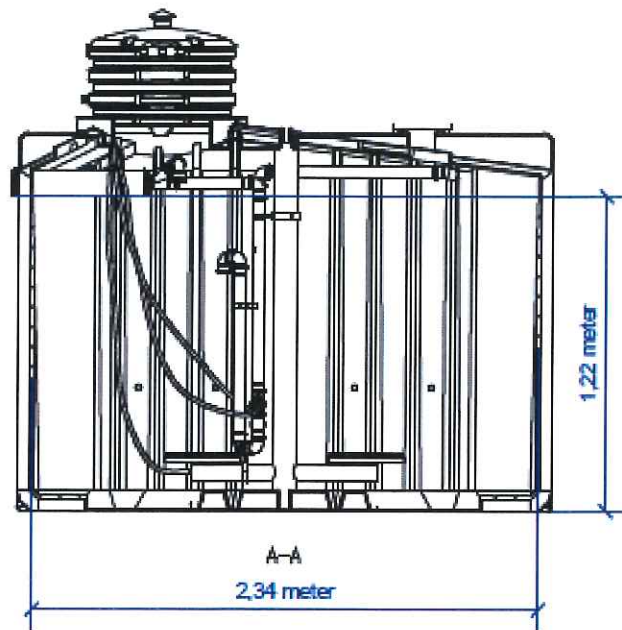
Elmar Lancé

November 2016

Biocell QuickONE+ 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 PIA2016-273B11	Not relevant	Not relevant
Compared Tank 5		Pass PIA2016-WD-1609-1111.01	Pass Shared ITT conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert	Pass PIA2016-DH-1609-1111.01
6		Pass PIA2016-WD-1609-1111.01	Pass Range conformity according to S.R. 66:2015	Pass PIA2016-ST-PIT-1609-1111.01 For wet ground conditions also, 1.00 m installation depth from inlet invert	Pass PIA2016-DH-1609-1111.01
8		Pass PIA2016-WD-1609-1111.01 PIA2007-WD001	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert	Pass PIA2016-DH-1609-1111.01

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
10		Pass PIA2016-WD-1609-1111.01 PIA2007-WD001	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert	Pass PIA2016-DH-1609-1111.01
12		Pass PIA2016-WD-1609-1111.01	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert	Pass PIA2016-DH-1609-1111.01



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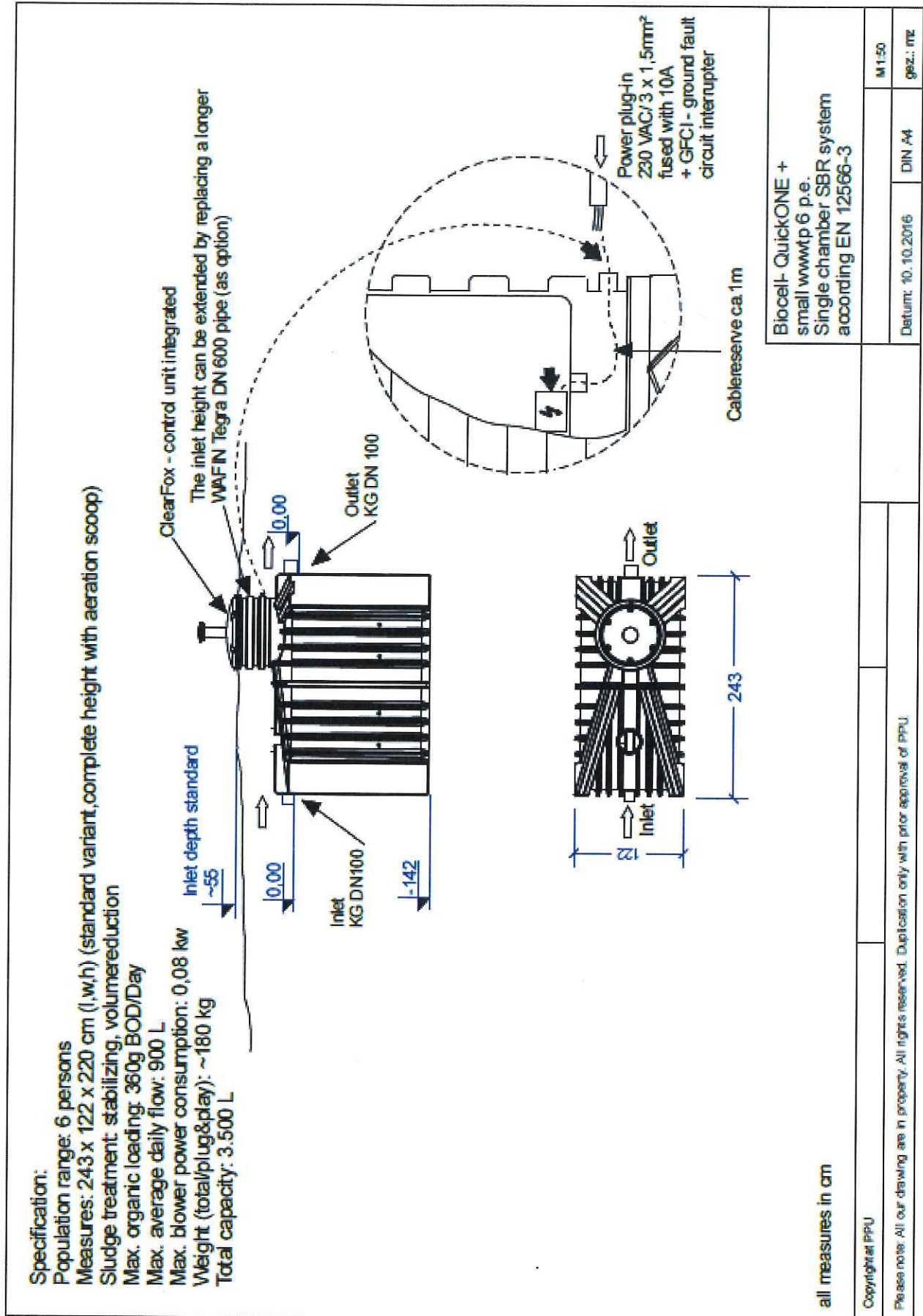
Baureihe QuickONE+ 5 EW

Docu: 22.08.2018

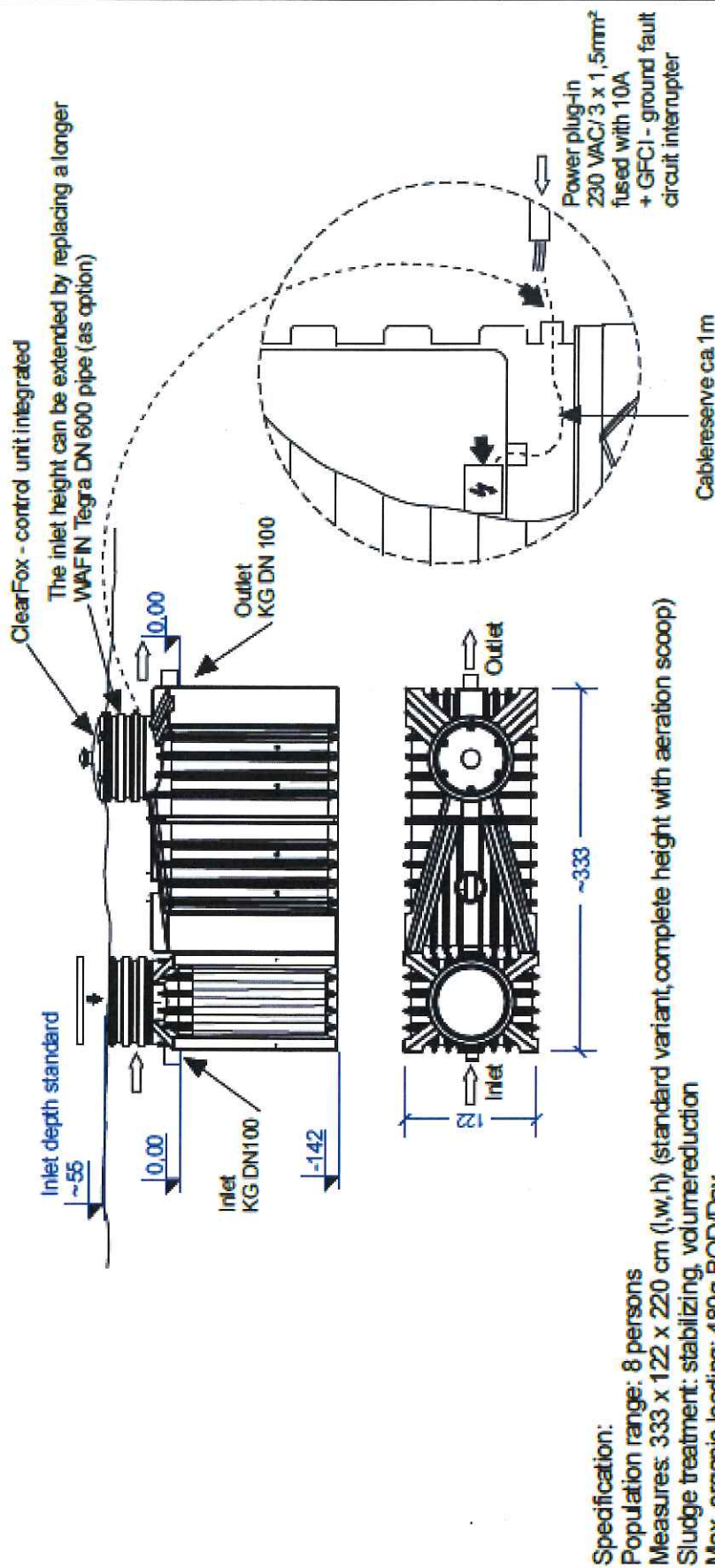
GRN A4

Art. 20

gao. 1/18



all measures in cm



Biocell- QuickONE +
small wwwtp 8 p.e.
Single chamber SBR system
according EN 12566-3

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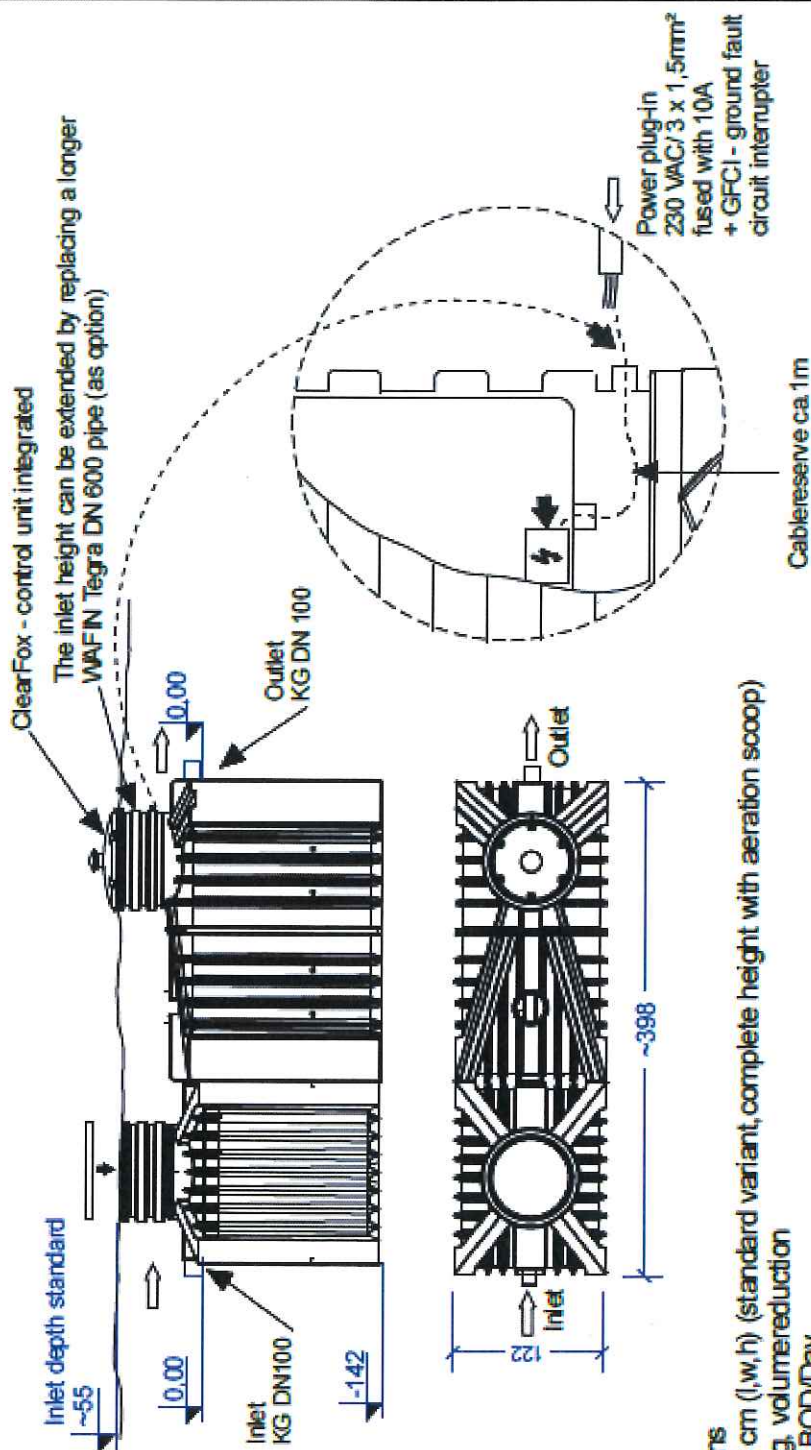
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M1:50

all measures in cm



Specification:

Population range: 10 persons
 Measures: 398 x 122 x 220 cm (l,w,h) (standard variant, complete height with aeration scoop)
 Sludge treatment: stabilizing, volumerelution
 Max. organic loading: 600g BOD/Day
 Max. average daily flow: 1500 L
 Max. blower power consumption: 0,15 kw
 Weight (total/plug&play): ~330 kg
 Total capacity: 5750 L

Biocell- QuickONE +
 small wwtp 10 p.e.
 Single chamber SBR system
 according EN 12566-3

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M 1:50

DIN A4

Datum: 29.07.2016

gez.: miz

