



Certificate

TREATMENT PERFORMANCE RESULTS

Premier Tech Aqua GmbH

Bei der neuen Münze 11, 22145 Hamburg, Germany

EN 12566-3

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

PIA-SR66-1604-1055.02

SOLIDO smart

One-chamber SBR system in one PE tank

Nominal organic daily load	0.30 kg/d		
Nominal hydraulic daily load	0.90 m³/d		
Material	Polyethylene		
Watertightness	Pass		
Structural behaviour (Pit Test)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	95.1 %	39 mg/l
	BOD5	98.5 %	5 mg/l
	NH4-N	98.0 %	0.7 mg/l
	SS	97.1 %	13 mg/l
Number of desludging	Not more than once		
Electrical consumption	0.81 kWh/d		

Performance tested by:

PIA - Prüfinstitut für Abwassertechnik GmbH

Hergenrather Weg 30

52074 Aachen

Germany

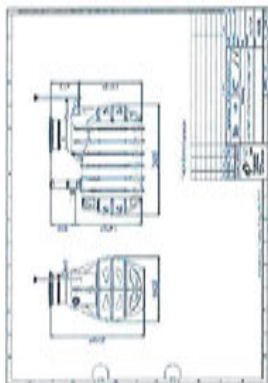
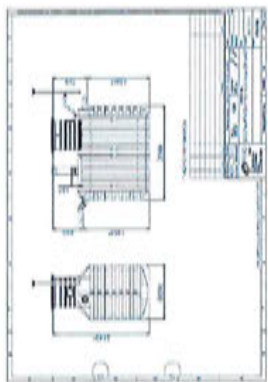
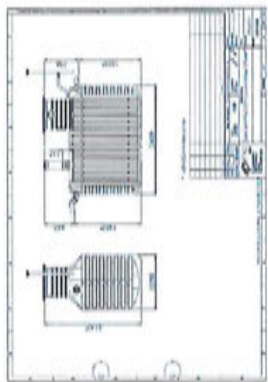
This document replaces neither the declaration of performance nor the CE marking.

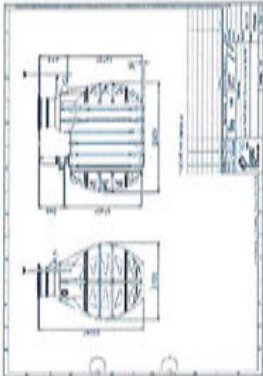
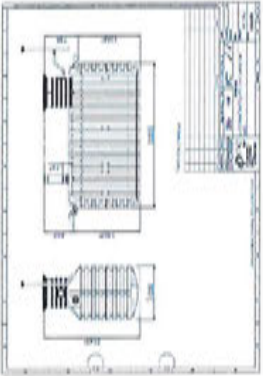
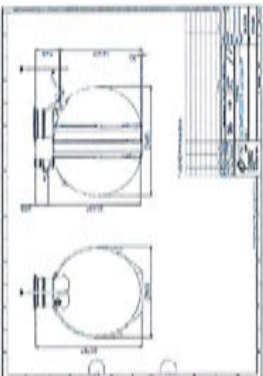


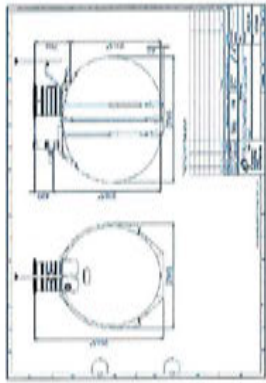
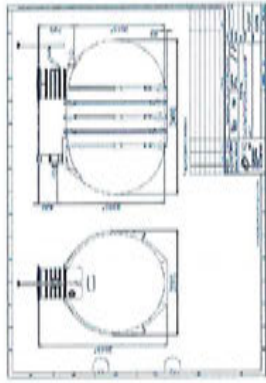
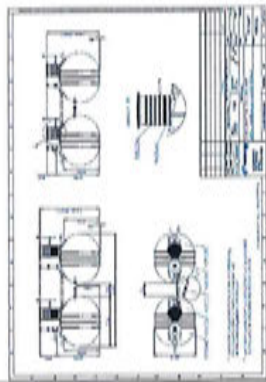
PIA - Sustainable Certification
Original
geprüft - tested - testé

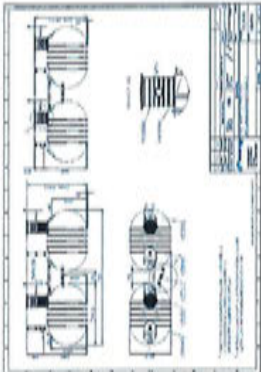
Verschiltz / Wermter September 2019

SOLIDO smart 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
Initial Type Test (ITT) 6 900 l/d		Pass PIA2007-WD-003	Pass PIA2015-239B22.e	Pass For wet ground conditions also, 0.95 m installation depth from inlet invert	Pass PIA2016-DH-1510-1052.01
6 900 l/d		Pass PIA2007-WD-003	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions, For wet ground conditions also, 1.00 m installation depth from inlet invert	Pass PIA2016-DH-1510-1052.01
7 1050 l/d		Pass PIA2007-WD-003	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions, For wet ground conditions also, 1.00 m installation depth from inlet invert	Pass PIA2016-DH-1510-1052.01

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
9 1350 l/d		Pass PIA2007-WD-003	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.95 m installation depth from inlet invert	Pass PIA2016-DH-1510-1052.01
10 1500 l/d		Pass PIA2007-WD-003	Pass Range conformity according to S.R. 66:2015	Pass PIA2006-BT-004 PIA2011-ST-PIT-1105-1032 For wet ground conditions also, 1.00 m installation depth from inlet invert	Pass PIA2016-DH-1510-1052.01
12 1800 l/d		Pass PIA2007-WD-003	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.95 m installation depth from inlet invert	Pass PIA2016-DH-1510-1052.01

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
18 2700 l/d		Pass PIA2007-WD-003	Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.95 m installation depth from inlet invert	PIA2016-DH-1510-1052.01 pass
25 3750 l/d		Pass PIA2007-WD-003	Range conformity according to S.R. 66:2015	PIA2015-ST-PIT-1406-1043.01 Pass For wet ground conditions also, 0.95 m installation depth from inlet invert	PIA2016-DH-1510-1052.01 pass
40 6,000 l/d		Pass PIA2007-WD-003	Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.95 m installation depth from inlet invert	PIA2016-DH-1510-1052.01 pass

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 7,500 l/d		Pass PIA2007-WD-003	Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, 0.95 m installation depth from inlet invert	PIA2016-DH-1510-1052.01 pass

