

## IZJAVA O LASTNOSTIH

št. DOKK5501E

**1. Enotna identifikacijska oznaka tipa proizvoda:**

KSTAxxxx za SOLIDO smart- biološke čistilne naprave v PE-rezervoarjih (eno-prostorski SBR)

**Številke artiklov:**

KSTAxxxx: -26BL, -30BL, -45BL, -30ML, -35ML, -50ML, -52BL, -76BL, -99BL

**2. Predvidena uporaba:**

tipske male čistilne naprave za čiščenje odpadnih komunalnih vod

**3. Proizvajalec:**

Premier Tech Aqua GmbH, Bei der neuen Münze 11, D-22145 Hamburg, Nemčija

**4. Distributer v Sloveniji:**

Prosigma plus d.o.o., Limbuška 2, 2341 Limbuš

**5. Sistemi ocenjevanja in preverjanja nespremenljivosti lastnosti: 3**

**6. Harmonizirani standardi: EN12566-3:2005+A1:2009+A2:2013**

Prvo leto CE deklaracije: 2016

**Priglašeni organi:**

PIA GmbH (NB 1739) je v treh sistemih ugotavljanja skladnosti preverja skladnost in izdal poročilo št. No PIA2015-239B22.e

**7. Navedene lastnosti / po harmonizirani normi EN 12566-3:2005 + A1: 2009 , + A2: 2013**

Učinkovitost obdelave	COD	95,1%	39 mg/l
	BOD <sub>5</sub>	98,5%	5 mg/l
Učinkovitost čiščenja (pri preverjenem organskem dnevnom dotoku BPK5= 0,25 kg/dan (CSB=KPK; BSB5 = BPK5)	suspended solids	97,1%	13 mg/l
	NH <sub>4</sub> -N	98,0%	0,7 mg/l
	Ntot	83,1%	10 mg/l
	Ptot	68,5%	2,3 mg/l

**Kapaciteta čiščenja (nominalne vrednosti)/ poraba elektrike:**

<b>Solido smart model</b>	<b>nominalne vrednosti org. dnevnega dotoka kg BPK5/dan</b>	<b>nominalne vrednosti dnevni dotok m3/dan</b>	<b>poraba elektrike (kWh/dan)</b>	<b>dovoljena višina zasipa</b>
<b>KSTA26BL (actually tested)*</b>	<b>0,30</b>	<b>0,90*</b>	<b>0,81</b>	<b>WET 0,70m</b>
KSTA30BL	0,36	0,90	0,85	WET 0,70m
KSTA45BL	0,54	1,35	1,22	WET 0,85m
KSTA30ML	0,36	0,90	0,83	WET 1,40m
KSTA35ML	0,42	1,05	0,95	WET 1,40m
KSTA50ML	0,60	1,50	1,32	WET 1,40m
KSTA52BL	0,72	1,80	1,62	WET 1,00 m
KSTA76BL	1,08	2,70	2,43	WET 1,20 m
KSTA99BL	1,50	3,75	3,29	WET 1,20 m

**Vodotesnost:**  
(preverjena z vodo)

opravljena

**Stabilnost:**  
(preverjanje vkopa)

ustrezna  
WET vrednosti - dovoljena višina zasipa

**Trajnost:**

opravljena

**Odpornost na ogenj:**

E


**Prisotnost nevarnih snovi:**

NPD - lastnost ni določena

Lastnosti proizvoda, navedenega zgoraj, so v skladu z navedenimi lastnostmi. Za izdajo te izjave o lastnostih je v skladu z Uredbo (EU) št. 305/2011 odgovoren izključno proizvajalec, naveden zgoraj.

Podpisano za proizvajalca in v imenu proizvajalca:

Hamburg, 4.3.2016



Marco Rumberg, direktor Premier Tech Aqua GmbH in podpisnik

ORIGINAL:



**Declaration of Performance DOKK5501E**  
**(according to Construction Product Regulation**  
**CPR No. 305/2011)**

- |   |                                    |  |
|---|------------------------------------|--|
| 1 | Name of product                    | <b>KSTAxxx SOLIDO smart - Domestic wastewater treatment plants in PE-tanks (one-chamber SBR)</b>                                     |
| 2 | reference code                     | <b><u>KSTA</u>xxx: -26BL, -30BL, -45BL, -30ML, -35ML, -50ML, -52BL, -76BL, -99BL</b>   |
| 3 | Type of use                        | <b>Packaged domestic wastewater treatment plants</b>   |
| 4 | Manufacturer                       | <b>PREMIER TECH AQUA GmbH, Bei der neuen Münze 11, D-22145 Hamburg, Germany</b>  |
| 5 | Authorized person                  | <b>Marco Rumberg CEO, rumm@premiertech.com</b>   |
| 6 | System of assessment               | <b>3</b>   |
| 7 | Harmonized technical specification | <b>EN 12566-3:2005+A1:2009+A2:2013</b> <span style="float: right;"><b>first year of CE-declaration: 2016</b></span>                  |
| 8 | Notified body                      | <b>PIA GmbH (NB 1739) performed the initial inspection in the system of assessment 3 and created test report No PIA2015-239B22.e</b> |

Essential characteristic	Performance			
<b>Efficiency of treatment</b>				
<b>Efficiency of degradation</b> according to EN 12566-3, Annex B  * KSTA26BL was tested at 0,30 kg BOD <sub>5</sub> /d and 0,90 m <sup>3</sup> /d	COD	95,1%	39 mg/l	
	BOD <sub>5</sub>	98,5%	5 mg/l	
	suspended solids	97,1%	13 mg/l	
	NH <sub>4</sub> -N	98,0%	0,7 mg/l	
	N <sub>tot</sub>	83,1%	10 mg/l	
	P <sub>tot</sub>	68,5%	2,3 mg/l	
model SOLIDO smart	- nominal daily load (kg BOD <sub>5</sub> /d):	- nominal hydraulic flow (m <sup>3</sup> /d)	power consumption h [kWh/d]	structural behaviour (invert level 1,00m)
<b>KSTA26BL (actually tested)*</b>	<b>0,30</b>	<b>0,90*</b>	<b>0,81</b>	<b>WET 0,70m</b>
KSTA30BL	0,36	0,90	0,85	WET 0,70m
KSTA45BL	0,54	1,35	1,22	WET 0,85m
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KSTA35ML	0,42	1,05	0,95	WET 1,40m
KSTA50ML	0,60	1,50	1,32	WET 1,40m
KSTA52BL	0,72	1,80	1,62	WET 1,00 m
KSTA76BL	1,08	2,70	2,43	WET 1,20 m
KSTA99BL	1,50	3,75	3,29	WET 1,20 m
<b>Water tightness (test with water)</b>	pass			
<b>Structural behaviour (pit-test)</b>	pass (WET conditions)			
<b>Durability</b>	pass			
<b>Fire behaviour</b>	E			
<b>Release of hazardous materials</b>	NPD			

The manufacturer according to nr. 4 is solely responsible for this declaration.

This declaration confirms compliance for with the named regulations, directives and standards.

It does not guarantee for any properties of the product. All provided safety advices,

technical documentation and guides for mounting, installation, commissioning, operation and maintenance must be regarded.

Signed for and on behalf of the manufacturer by:

Hamburg, March 4, 2016

ORIGINAL:



## PERFORMANCE RESULTS

**Premier Tech Aqua GmbH**  
Bei der neuen Münze 11, 22145 Hamburg, Germany  
**EN 12566-3, Annex B**  
Small wastewater treatment systems for up to 50 PT 3  
**Small wastewater treatment system SOLIDO smart**  
One-chamber SBR system in one PE tank  
Test report PIA2015-239B22.e

Nominal organic daily load	0.30 kg BOD5/d		
Nominal hydraulic daily load	0.90 m <sup>3</sup> /d		
Material	Polyethylene		
Watertightness (Annex A)	pass		
Structural behaviour (Pit Test)	pass (also wet conditions)		
Durability	pass		
Treatment efficiency (nominal sequences)			
	COD	Efficiency	Effluent
	BOD <sub>5</sub>	95.1 %	39 mg/l
	SS	98.5 %	5 mg/l
	NH <sub>4</sub> -N	97.1 %	13 mg/l
	N <sub>tot</sub>	98.0 %	0.7 mg/l
	P <sub>tot</sub>	83.1 %	10 mg/l
		68.5 %	2.3 mg/l
Number of desludging	1		
Electrical consumption	0.81 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.



*Prüfinstitut für Abwassertechnik GmbH*  
*geprüft - tested - testé*  
Elmar Lancé

March 2016