

Small wastewater treatment system with  
**submerged and removable fixed bed** from 4 to 50 PE  
CE EN 12566-3 compliant

- Small and compact system
- No septic tank needed
- Integrated grease trap (domestic use)
- Cylindrical tank of self-compacting concrete (SCC) with T-shaped separation; water tightness guaranteed between the different compartments
- In- and outlet are situated on the same side => longer retention time
- Suitably adapted and watertight connection pieces
- Several loading classes possible



- No electrical parts in the tank
- Electronic system control i-Clear
- Simple, reliable, functional and easy to work with
- Starts up automatically
- Simple electrical wiring
- Ready-to-use electro-mechanical components
- Very fast start-up
- Visual control system
- Integrated test program

- Excellent purification results
- Carrier material with large specific surface: 200 m<sup>2</sup>/m<sup>3</sup>
- Peak load resistant
- Low sludge production => de-sludge less frequently
- Easy access to aeration equipment thanks to removable carrier material
- Carrier material easy to remove => easy to clean



**submerged and removable fixed bed**



## PERFORMANCE RESULTS

**ecobeton water technologies**  
Hasseltsesteenweg 119, B-3800 Sint - Truiden

**EN 12566-3 annex B**  
"Small wastewater treatment systems for up to 50 PT"

**Small wastewater treatment system biofixe**  
Fixed film reactor in a concrete tank

Nominal organic daily load	0.24	kg/d
Nominal hydraulic daily load	0.75	m <sup>3</sup> /d
Material	Concrete	
Treatment efficiency (nominal sequences)	COD	88.7 %
	BOD <sub>5</sub>	94.4 %
	SS	91.2 %
Electrical consumption	1.4	kWh/d

Performance tested by:

**PIA - Prüfinstitut für Abwassertechnik GmbH**  
(PIA GmbH)  
Hergenrather Weg 30  
D-52074 Aachen

Certified according to  
ISO 9001:2000



Notified Body number: 1739



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

Prüfinstitut für Abwassertechnik GmbH  
*Elmar Lance*  
geprüft - tested - teste

Elmar Lance

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