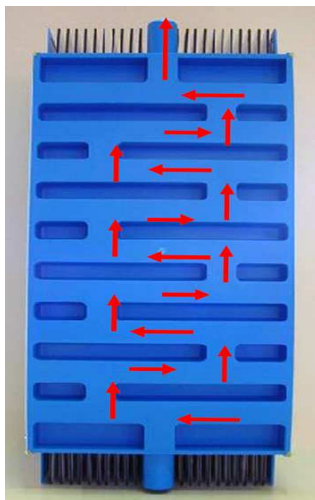


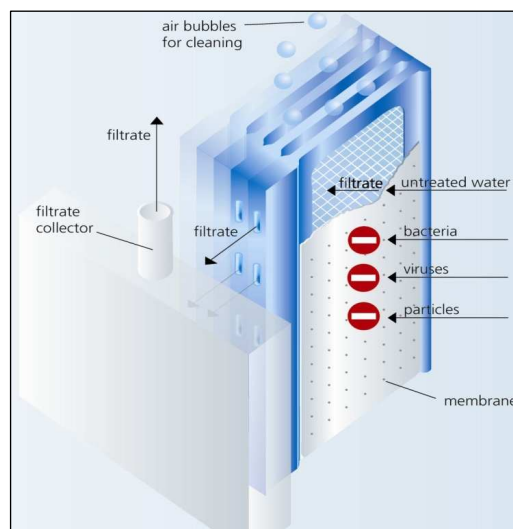
Small wastewater treatment system with **submerged membranes**
from 4 to 50 PE – EN 12566-3 compliant

- 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




- Electronic system control intel-EC
- Intermittent aeration
- 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

- Outstanding purification results
- Possibility to reduce water consumption up to 40%
- Technology of the future: exceeds and advances the European requirements
- Permanent 99,99% reduction of bacteria, colloidal particles and viruses
- Ideal for applications in drinking water catchment areas, protected water areas, sensitive fish population areas, bathing areas (EU directive) etc...



ultra-filtration by plate membranes

Water with ID



PIA
Institute for
Wastewater
Technology

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 Eco Clear
membrane bioreactor


Nominal organic daily load	0.20	kg/d
Nominal hydraulic daily load	0.60	m ³ /d
Material	Concrete	
Treatment efficiency (nominal sequences)	COD	95.9 %
	BOD ₅	99.2 %
	SS	98.6 %
	NH ₄ -N*	96.6 %
	Faecalcoliforms	99.9 %
Electrical consumption	4.0	kWh/d


* determined for temperatures ≥ 12°C in the bioreactor.

Performance tested by:
PIA - Prüfinstitut für Abwassertechnik GmbH
(PIA GmbH)
Hergenerather Weg 30
D-52074 Aachen

Certified according to
ISO 9001:2000



Notified Body number: 1739 


 geprüft - tested - testé
 Elmar Lancé March 2009

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

For additional information please contact :

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