

Delphin ContiFlow 1.5

for 8 to 14 IE

Fully biological compact wastewater treatment plant in two PE containers

The **Delphin ContiFlow 1.5** compact wastewater treatment plant is a fully pre-assembled biological system for the purification of domestic wastewater for up to 14 inhabitant equivalents (IE). Biological purification is based on the fixed-bed process. The containers of the compact wastewater treatment plant are manufactured entirely out of weather and wastewater resistant PE plastic and, therefore, boasts a significantly higher durability than a concrete container. The ribbed structure of the container ensures a particularly high stability against soil- and water pressure.

A small wastewater treatment plant must be able to perform better than a large municipal system, as load- and supply variations are particularly distinctive in small plants. The fixed-bed process is the purification system which reacts most flexibly to such variations. This has been proven in many scientific investigations and has long-standing application in the field of small wastewater treatment plants.

Purification efficiency

The **Delphin ContiFlow 1.5** compact wastewater treatment plant is designed for up to 14 IE in accordance with DIN 4261 T2 and EN 12566-3. When connecting only 12 IE, the system also offers nitrification and denitrification. The legally stipulated discharge values are met. [See back](#)



Your benefit: a superior technology

■ Ideal for low and strongly varying supply quantities

With small connection sizes, load variations may be absorbed without any problems via the fixed-bed system.

■ Installing, connecting → ready!

The plant is full pre-assembled and serviceable immediately after the completion of earth works.

■ Take good care of your garden!

Compact dimensions and a light weight structure enable earth works with light construction equipment.

■ Save operating costs

- Low maintenance requirements (twice a year)
- Low power demands, approx. 556 kWh/a (for 14 IE in Region I)
- Low installation costs

■ 20 years warranty on the stability and tightness of the containers

The containers are made in one casting ⇒ no cast seams. In contrast to concrete, the container material is not affected by wastewater.

■ Quiet technology

No disturbing noises at or in the house will appear because the compressor is placed in the dome of the treatment plant.

■ No risk of backflow

During a power outage the wastewater travels in a free incline through the entire system.

DELPHIN
water systems

Delphin Water Systems GmbH & Co. KG

Büro Hamburg:

Schellerdamm 19-21 | D-21079 Hamburg
Phone/Fax: +49 (0)40 - 766 146 - 70/99
info@delphin-ws.de | www.delphin-ws.de

Delphin ContiFlow I.5

for 8 to 14 IE

Purification efficiency

Standard

$BOD_5 \leq 25 \text{ mg/l}^*$ $COD \leq 100 \text{ mg/l}$ filtered substanc $\leq 35 \text{ mg/l}$

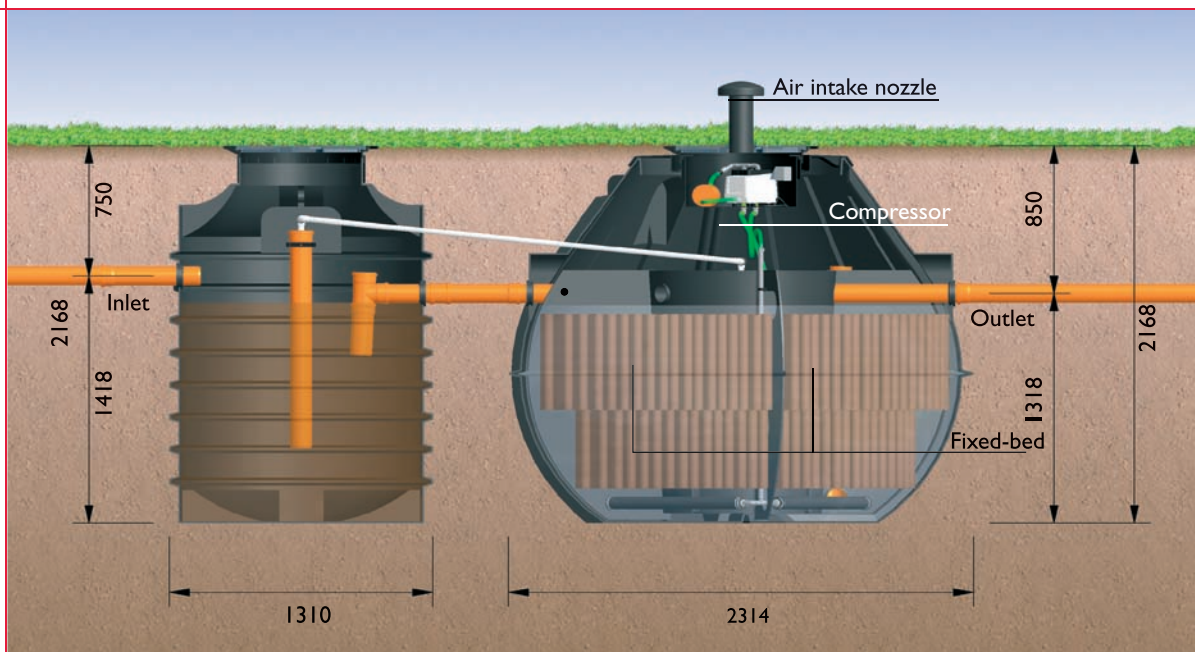
Nitrogen removal

$BOD_5 \leq 15 \text{ mg/l}^*$ $COD \leq 75 \text{ mg/l}$ $NH_4\text{-N} \leq 10 \text{ mg/l}^*$ filtered substanc $\leq 25 \text{ mg/l}$

*: membrane filtrated

The operating values of the Delphin compact wastewater treatment plants clearly lay below the required limit values. The mean efficiency of the Delphin fixed-bed process, for example, is found to be 95.6% for BOD_5 and 93.5% for $NH_4\text{-N}^{**}$

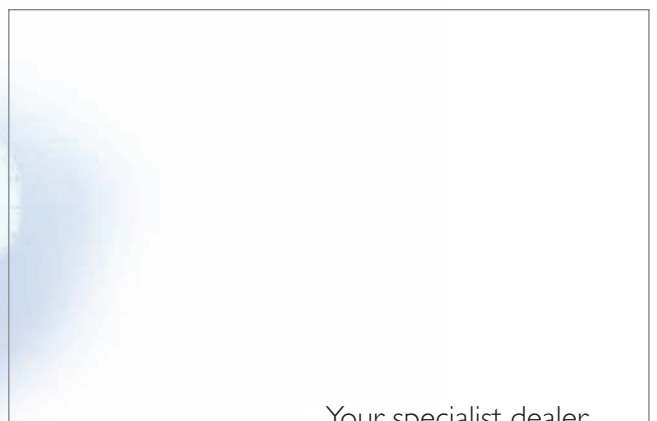
**: Measuring results obtained on a state-accredited test field.



	IE	DIN 4261 T2 EN 12566-3 Carbon Degradation	DIN 4261 T2 EN 12566-3 Nitrification+Denitrification	Volume Preliminary Clarification	Volume Biology	Volume Secondary Treatment
Region 1	14	x		3.10 m ³	1.60 m ³	0.67 m ³
	12	x	x			
Region 2	8	x	x			

Region 1: Regions with waste water temperatures all-the-year > 10°C
 Region 2: Regions where waste water temperatures can fall below 10°C

Subject to technical changes without prior notice



Your specialist dealer