

# DEWATEC Package Plant BatchPLUS®



The tried and tested small sewage treatment plant in a plastic tank manufactured by DEUTSCHE DEWATEC impresses thanks to a range of unrivalled product characteristics. Thanks to its structure and wall thickness, the jointless tank offers decade-long operating safety. In doing so, its dimensions and weight are so low that it can be installed quickly, easily and inexpensively in a garden-friendly manner with only the minimum of earth excavation.



#### + Simple Assembly

Completely pre-assembled system - faultless installation as well as little time required until commissioning

#### + „Garden-Friendly“ Installation

Up to 50% less earth excavation than round tanks - this saves both money and time

#### + Complete Wastewater Resistance

of all components against domestic wastewater

#### + DIBt-Approval and CE-Compliant

Hardly any other purification system in Europe has been tested as often, so rigorously and achieved such excellent results

#### + Environmentally Friends

Container completely consists of recyclable polyethylene

#### + Patented Decanter

Reduced solid and particle discharge compared with conventional decanter equipment for the protection of your irrigation system and the environment

#### + Variably Adjustable

High levels of ground water or utilisation in surfaces driven on by HGVs - not a problem with the optionally-available accessories!

#### + Above Average Reliability

thanks to continuous further development and the careful selection of premium components

#### + Wear Free Tank Installations

No electrically-operated or rotating components in the wastewater

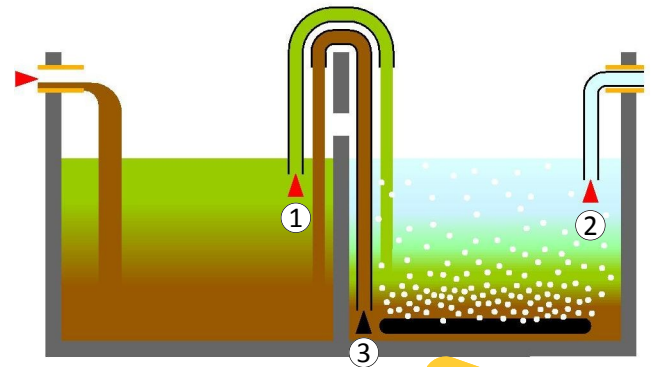
## The Further Advantages of the BatchPLUS® Package Plant

- + **Future proof** - the plant can easily be retrofitted if the purification requirements become more stringent in the future
- + **Low energy requirements thanks to FlexEN®-technology** - if less wastewater runs into the system, the plant automatically switches into an optimum, energy-saving operating mode
- + **Interior or exterior switch cabinet** - optional depending upon your requirements and desires
- + **Low maintenance effort** - thanks to advanced technology and the grouping of technical units away from the pit and the wastewater
- + **Integrated sampling device** - therefore, no additional transition or inspection chamber is required

**DIBt Approval Marks**  
Z-55.3-122 - purification class C  
Z-55.3-123 - purification class N  
Z-55.3-92 - purification class D

# The Reliable Purification of Domestic Wastewater through the SBR-Process :

- ① One compartment assumes the mechanic primary treatment. Then the wastewater is transported into the biological treatment area. During this procedure and for a period afterwards the site of the biological treatment is aerated. This means that oxygen is added in a targeted manner. In this way the sludge is "animated" and the microorganisms can do their detergent work.
- ② After aeration comes the recovery phase, when clear water is separated from the activated sludge. Now a precisely determined amount of purified wastewater is discharged.
- ③ Any surplus activated sludge is then transported back into the first chamber. The area of biological treatment can now be filled again.



- ☐ COD: 41,6 mg/l - 93,7%
- ☐ BOD<sub>5</sub>: 8,6 mg/l - 97,2%
- ☐ NH<sub>4</sub>-N: 1,7 mg/l - 99,3%\*\*
- ☐ N<sub>inorg</sub>: 15,4 mg/l - 70,2%\*\*
- ☐ SS: 13,9 mg/l - 96,4%

**Effective Wastewater Purification\***

\* Average results from testing of BatchPLUS Comfort in Germany, carried out by independent experts from the testing institute wastewater technology at Aachen (Aachener Prüfinstitut für Abwassertechnik, in short PIA)  
 \*\* Average results for water temperatures of 12 °C or more in the biological reactor

## Technical Overview:

Us-ers	Total volume	Number of tanks	Total weight	Dimensions W x L	Height of tank without	Bottom edge of inlet to bottom edge of tank
[PE]	[m <sup>3</sup> ]	[pcs]	[kg]	[cm]	[cm]	[cm]
4	3,50	1	235	120 x 240	160	137
6	5,00	1	290	120 x 320	160	137
8	7,00	2	each 225	each 120 x 240	160	137
12	10,00	2	each 280	each 120 x 320	160	137

## The Control Box for your Sewage Treatment Plant BatchPLUS®:



Optional available weather-proof switch cabinet with socket for free-standing placement outdoors.

Optional wall cabinet for indoor and outdoor installation



Unit console for weather-protected interior areas



Your local specialist dealer:

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