DEWATEC Package Plant DEWATEC DEWATEC **3K PLUS®**



The new cylindrical small purification system in a plastic tank from DEUTSCHE DEWATEC impresses thanks to a range of unrivalled product characteristics. Thanks to its 3 standard diameters, it is therefore just as ideally suitable for a new construction as it is for the retrofitting of existing concrete tanks. Bespoke and tailor-made production for your needs is available.

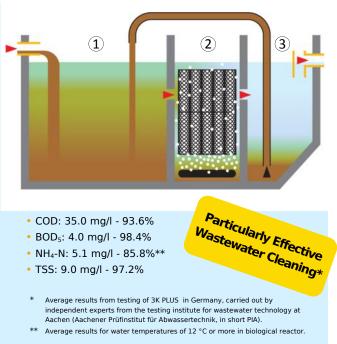


The Reliable Purification of Domestic Wastewater through the Biofilm Process:

- (1) The first of the three chambers carries out the mechanical primary treatment.
- 2 Afterwards the wastewater is piped into the second chamber for biological treatment. At the bottom of this compartment aerators are installed that mix the wastewater with precisely determined amounts of air at regular intervals. Above the aerators the underwater fixed bed is installed. On the fixed bed the microorganisms living in wastewater settle down as a "biological layer" over a wide surface. In this combination, and with an exact administration of oxygen, they provide an excellent purification performance.
- 3 Superfluous microorganisms become detached from the fixed bed again and again by the rising air and are rinsed in the third chamber by the biologically purified water for sedimentation. There they settle down at the bottom as so-called excess sludge before being transported back

LP-SOH

into the first chamber by an airlift pump before the purified



Technical Overview:

| User s [PE] | Total volume [m³] | Total weight [kg] | Diameter ¹⁾ [cm] | Total height [cm] | Inlet pipe under ground level ²⁾ [cm] | Outlet pipe under ground level ²⁾ [cm] |
|-------------------|-------------------------|-------------------------|--------------------------------|-------------------------|--|---|
| 4 | 4,40 | 306 | 200 | 230 | 80 - 105 | 90 - 115 |
| 6 | 4,40 | 306 | 200 | 230 | 80 - 105 | 90 - 115 |
| 8 | 5,81 | 409 | 230 | 230 | 80 - 90 | 90 - 100 |

1) external diameter plus 7 cm 2) variable due to telescopic shaft pipe

The Aggregate Unit for your Wastewater Treatment Plant 3K PLUS[®]:

