

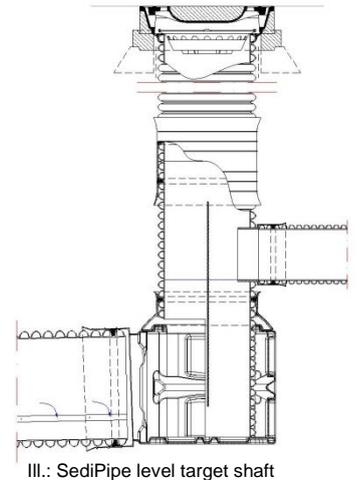
Stormwater management

Stormwater treatment



SediPipe® level Stormwater treatment system

Underground treatment system for polluted stormwater; system consisting of start shaft and target shaft, sedimentation path.
Inlet and outlet on the same level, inlet at the start shaft can be rotated 360°. The flow direction of the target shaft is available in straight, left and right designs or may be factory-set to a customised angle anywhere from 90° to 270°.



III.: SediPipe level target shaft

Technical data

| | | | | | |
|--|---|----------------------|--------|--|--------|
| Application: | For the treatment of polluted stormwater runoff for areas of up to max. 2.33 ha according to DWA-M 153 and up to max. 16.67 ha according to DWA-A 102-2/BWK-A 3. | | | | |
| Material / raw material: | Start shaft/target shaft: | PE-HD (polyethylene) | | | |
| | Sedimentation path: | PP (polypropylene) | | | |
| Specification: | Systems for stormwater treatment according to DWA-M 153 types D 21, D 24 or D 25, with proof of equality as compared to stormwater sedimentation tanks (NRW) Specially developed detection method according to section 6.1.3.4 DWA-A 102-2/BWK-A 3-2, (dwell time method) Verifications by HTWK Leipzig, ifs Hannover, LGA Würzburg, IKT Gelsenkirchen, TAUW / TU Delft, FH Münster | | | | |
| Operating principle: | Sedimentation in the long and tubular sedimentation chamber; the flow separator prevents remobilisation of the deposited particles during heavy rainfalls, additional protection against spills during dry weather, with temporary storage of light liquids in the target shaft. | | | | |
| System types: | 400/6 | 500/6 | 500/12 | 600/6 | 600/12 |
| Outside diameter D_o sedimentation pipe [mm] | 461 | 571 | 571 | 685 | 685 |
| Inside diameter D_i sedimentation pipe [mm] | 399 | 497 | 497 | 596 | 596 |
| Total length of the system: [m] | 7.80 | 7.80 | 13.80 | 7.80 | 13.80 |
| Dimensions of start shaft and target shaft L x W x H [m] | Shaft base body: 0.80 x 0.80 x 0.66 (+0.25 m cone height) Extension pipe: D_o 600 (D_i = 497 mm) | | | | |
| Connection type / connection DN inlet / outlet: | Solid-wall pipe: DN/OD 200, DN/OD 250, DN/OD 315 Structured-wall pipe: DN 200, DN 250, DN 300 | | | | |
| Accessories: | For QuadroControl D_o 600 accessories, see Price catalogue / Stormwater management manual | | |  www.fraenkische.com | |
| Miscellaneous: | For detailed planning examples, see CAD drawings Orders according to order form Installation according to "SediPipe basic and SediPipe level" installation and maintenance manual | | |  www.fraenkische.com | |