

Stormwater management

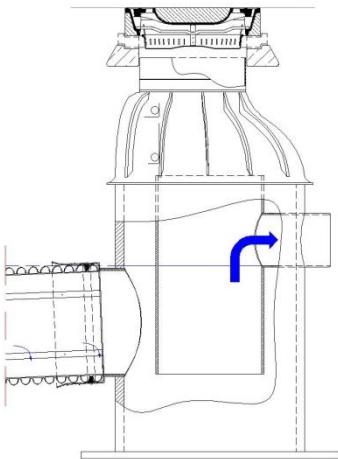
Stormwater treatment



SediPipe® XL plus



Stormwater treatment system

Underground treatment system for polluted stormwater; system consisting of start and target shaft DN 1000, sedimentation path DN 600 with upper and lower flow separator.
 Inlet and outlet on the same level, the flow direction of the start shaft and target shaft is factory-set to a customised angle between 90° and 270°. The system can be ordered either as design with cone or concrete shaft cover plate.



III.: SediPipe XL plus target shaft

Technical data	
Application:	For the treatment of polluted stormwater runoff for large areas of up to max. 4.44 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 High separation performance for light liquids according to DIN EN 858-1 (class I and class II) for prevention in case of spills.
Operating principle:	Sedimentation of coarse and fine particles in the long and tubular sedimentation chamber; the lower flow separator prevents remobilisation of the deposited particles during heavy rainfalls, additional separation of light liquids in case of spills during rain or fire (fire water) thanks to upper flow separator with temporary storage of light liquids in the target shaft.

System types:	600/6	600/8	600/10	600/12	600/14	600/16	600/18	600/20	600/22	600/24
Total length of the system: [m]	8.40	10.40	12.40	14.40	16.45	18.45	20.45	22.50	24.50	26.50
Outside diameter D _o sedimentation pipe [mm]	685									
Inside diameter D _i sedimentation pipe [mm]	596									
Nominal diameter of start shaft and target shaft	DN 1000									
Connection type / connec- tion DN inlet / outlet:	Solid-wall pipe: DN/OD 200, DN/OD 250, DN/OD 315, DN/OD 400, DN/OD 500 Structured-wall pipe: DN 200, DN 250, DN 300, DN 400, DN 500									
Accessories:	BARD ring (class D concrete support ring) for design with cone, see Stormwater management manual								www.fraenkische.com	
Miscellaneous:	For planning details, see CAD drawings Orders according to order form Installation according to "SediPipe XL and SediPipe XL plus" installation and maintenance manual								www.fraenkische.com	