

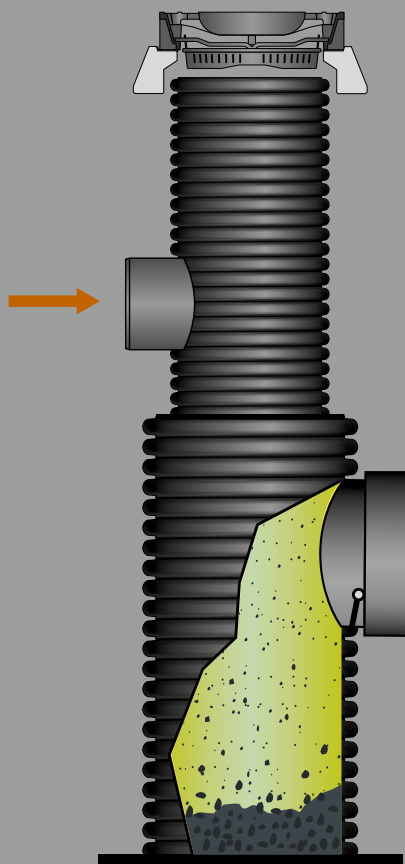
SediPipe® L | SediPipe® L plus | SediSubstrator® L

Stormwater treatment systems



Last modified: May 2018

Start shaft
as mud collector



Retention of coarse particles



Coarse dirt particles settle already in the start shaft. The start shaft acts as a mud collector.

Sedimentation path
with flow separator



Treatment performance proven by the following independent institutes

TÜV Rheinland LGA

TAUW & TU Delft

IKT

IFS Hannover

HTWK IWS

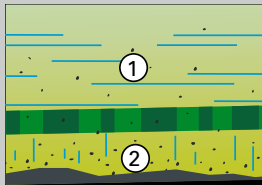
Upper flow separator for SediPipe L plus systems only

Flow separator (bottom)
Optimised sedimentation process of fine particles



The stretched and narrow sedimentation chamber reduces the time and distance until particles settle, and causes flow harmonisation. Both factors together prevent turbulences and thus ensure an optimal sedimentation process.

Sediment control



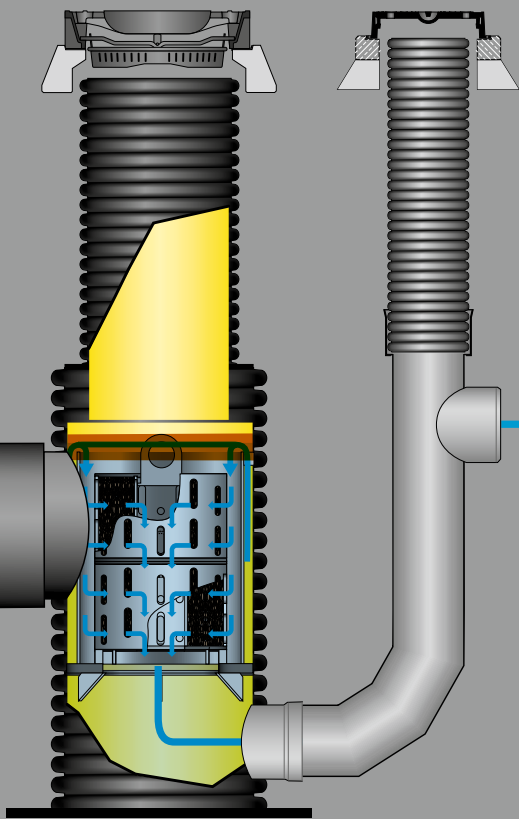
① harmonised plug flow
② controlled sediment

The patented flow separator technology creates an area with little water movement in the depot, thus preventing remobilisation of the sediment already settled even in case of heavy rains.

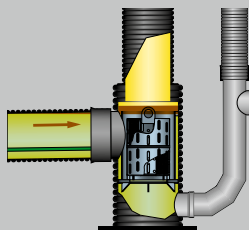
Maintenance interval



Target shaft
with substrate filter unit

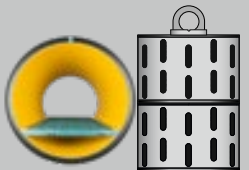


Retention of light liquids



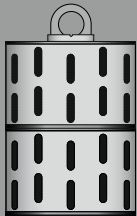
Due to the slight gradient of the pipe, light liquids that rise upwards in the sedimentation path enter the target shaft in which they are collected.

Highly efficient – the 2-step principle



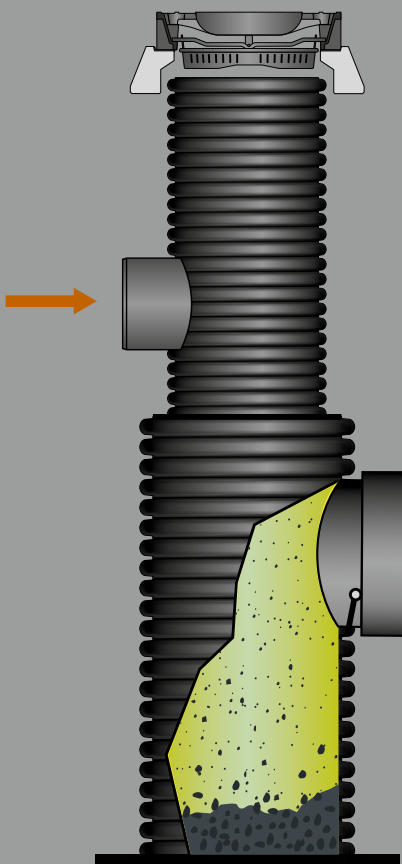
All particles are already retained in the sedimentation path. Only dissolved pollutants arrive in the substrate filter. This excludes the risk of blockages.

Adsorption of dissolved pollutants and oils



The SediSorp plus used in the substrate filter unit efficiently binds dissolved heavy metals and light liquids.

Start shaft
as mud collector




Retention of coarse particles



Coarse dirt particles settle already in the start shaft. The start shaft acts as a mud collector.

Sedimentation path
with flow separator



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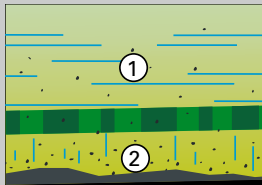
Upper flow separator for SediPipe L plus systems only

Flow separator (bottom)
Optimised sedimentation process of fine particles



The stretched and narrow sedimentation chamber reduces the time and distance until particles settle, and causes flow harmonisation. Both factors together prevent turbulences and thus ensure an optimal sedimentation process.

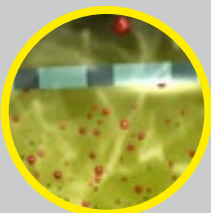
Sediment control



① harmonised plug flow
② controlled sediment

The patented flow separator technology creates an area with little water movement in the depot, thus preventing remobilisation of the sediment already settled even in case of heavy rains.

Flow separator (top)
Additional function with L plus systems



- Separation of light liquids in case of spills during rain or fire (fire water)
- Separation performance of a coalescence separator

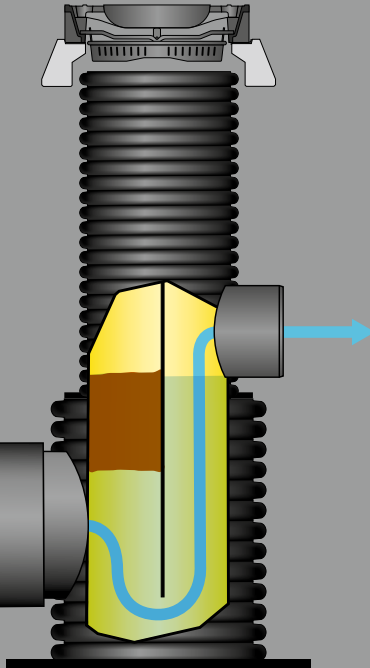
High-performance oil retention



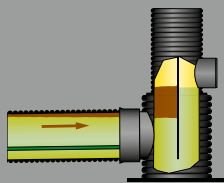
SediPipe L plus

- Extra safety
- Efficient spill precaution
- Easy cleaning and quick return to service

Target shaft
with immersion wall

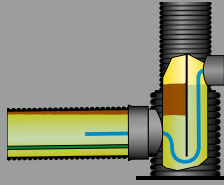


Retention of light liquids



Due to the slight gradient of the pipe, light liquids that rise upwards in the sedimentation path enter the target shaft in which they are collected.

Immersion wall for sediment control



The immersion wall integrated into the target shaft controls the sediment.

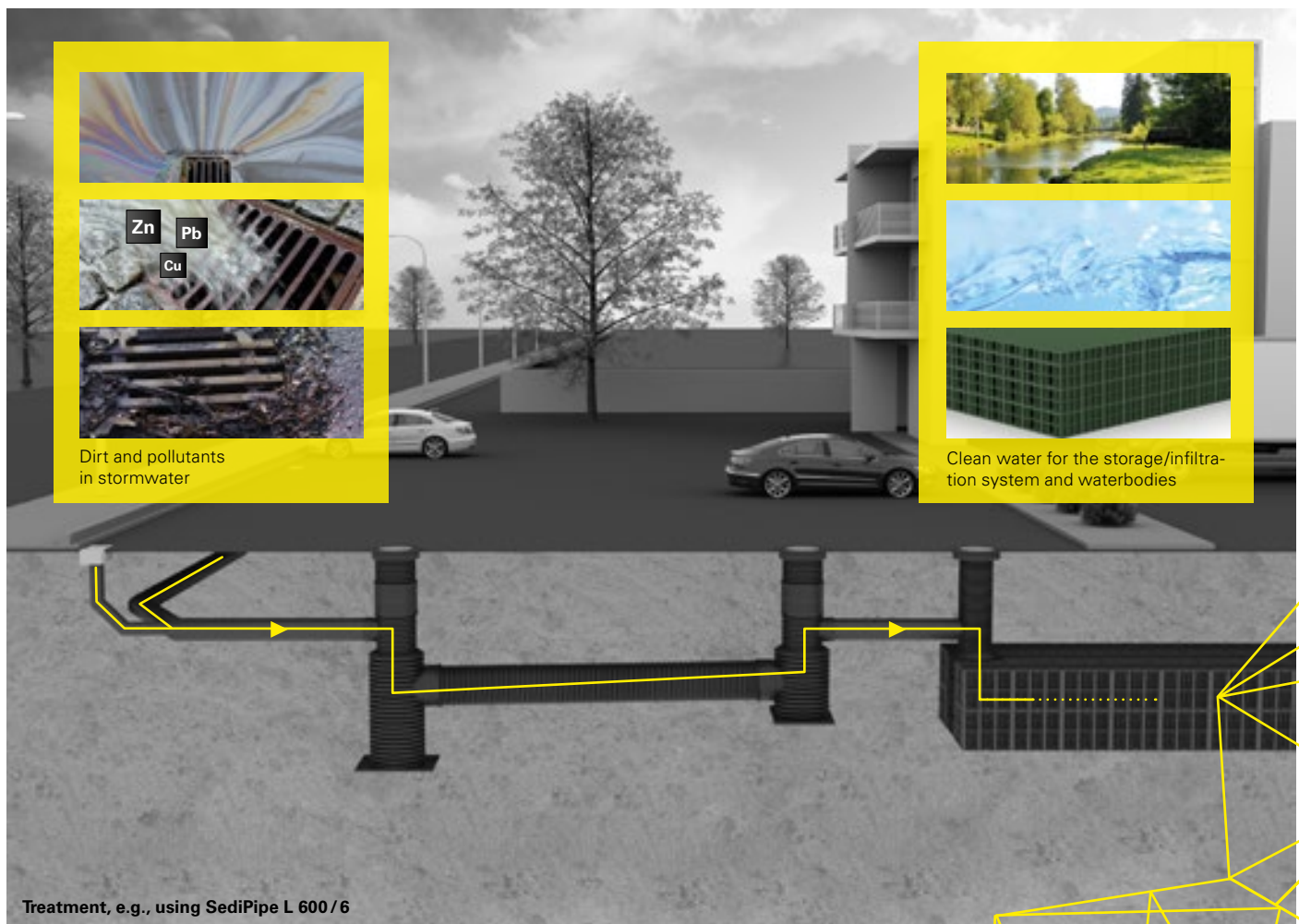
Benefits at a glance

SediPipe L & SediPipe L plus

- Proven treatment performance and sediment control
- For small to very large collection areas
- Space-saving arrangement on the channel route under existing media
- Quick and easy installation of a pre-fabricated system with low weight
- Greatest flexibility because depth and connection angle can be adjusted on site
- Retrofitting of existing systems
- Easy cleaning using common sewer cleaning technology

SediSubstrator L

- DIBt approved
- No risks of blockages of the substrate cartridge
- Wet salt-resistant
- Easy maintenance with conventional sewer cleaning equipment every 4 years
- Space-saving arrangement on the channel route, under existing media
- Quick and easy installation of a pre-fabricated system with low weight
- Greatest flexibility because depth and outlet angle can be adjusted on site






SediPipe L

with one flow separator

The new SediPipe L gets the traditional SediPipe operating principle down to the pat. The slim and long design with flow separator has proven its worth over decades of

permanent operation. The treatment performance has been substantiated and certified by different independent testing institutes.




Pollution	Retention of ...	Traffic load	Applications
 heavy	<ul style="list-style-type: none"> ■ coarse particles ■ fine particles ■ bound pollutants ■ light liquids 		Residential and commercial areas with moderate heavy goods vehicle traffic
 Protection from spills in dry weather			

SediPipe L plus

with two flow separators

SediPipe L plus convinces with the same characteristics as SediPipe L. Additionally, SediPipe L plus features a second

flow separator to ensure 100 % protection for groundwater and waterbodies also in case of oil spills during rain.




Pollution	Retention of ...	Traffic load	Applications
 very heavy	<ul style="list-style-type: none"> ■ coarse particles ■ fine particles ■ bound pollutants ■ light liquids 		Residential and commercial areas with increased heavy goods vehicle traffic
 Protection from spills in dry weather and during rain			

SediSubstrator L

with flow separator and substrate filter unit

SediSubstrator L works like SediPipe but additionally features a downstream substrate filter unit which filters heavy metals from surface water. SediSubstrator L is the system

of choice for areas with a high volume of heavy goods vehicle traffic.

Pollution	Retention of ...	Traffic load	Applications
 extreme	<ul style="list-style-type: none"> ■ coarse particles ■ fine particles ■ bound pollutants ■ light liquids ■ dissolved pollutants 		Commercial areas, logistics centres and motorway lay-bys highly frequented by heavy goods vehicle traffic
 Protection from spills in dry weather and during rain			