



Oil separators

Grease separators

Settling tanks



# Settling tanks



Settling tanks pretreat rainwater from easily deposited sediments.

## Ecol-Unicon settling tanks enable:

- effective pretreatment of wastewater from easily deposited sediments to the level below  $100 \text{ mg/dm}^3$  (in accordance with the Minister of Environment Regulation of 18 November 2014, Journal of Laws 2014 item 1800)
- protection against excessive amount of sediments inflowing into devices (installed e.g. before a separator(s) or water treatment plants)

## Ecol-Unicon settling tanks guarantee:

- high effectiveness in treating wastewater from sediments
- low maintenance costs
- easy access during maintenance
- the possibility of installation in right-of-way and green areas
- the possibility of installation on various depths
- the device may be customised accordingly to the Clients needs - optimal specification
- quality confirmed by Technical Approval



The technology of vortex settling tanks is used for example in Hydrozone tanks, which are multifunctional tanks for rainwater and snow melt retention.

Hydrozone Benefit - pretreatment retention tanks that use the retained and pretreated water for green areas watering.

## Construction

Ecol-Unicon settling tanks have a sealed concrete or reinforced concrete body. They are fitted with alarm installations such as sediment sensors, which signal the need for cleaning the tank, what reduces maintenance costs.



OS horizontal settling tank



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*It enables constant monitoring of crucial data as well as effective control and management of the operation of your facilities.*



## OS Horizontal Settling Tank

### Operation

OS settling tank slows down the flow and accumulates suspended solids – total suspended solids and particular solids. The deflector mounted at the inlet increases the effectiveness of the device.

### Application



parking lots



roads and motorways



industrial plants, etc.

### Advantages



simple connection to the sewage system



effective elimination of suspended solids from the inflowing water



Up to  
130 dm<sup>3</sup>/s

– the device based on a EU chambers with diameter up to 3000 mm



Over  
130 dm<sup>3</sup>/s

– the device based on tanks with diameter of over 3000 mm



EOW-1 vortex settling tanks



EOW-2 double chamber vortex settling tank

## EOW Vortex Settling Tanks

### Operation

In all EOW vortex settling tanks mineral suspended solids are eliminated and stored in the first tank. In a two-chamber EOW-2 vortex settling tank, the second tank is divided into two sections, where the first section is a "trap" for any particles lighter than water, including oils, and the second section is basically an outflow chamber.

### Implementation



urban areas



large traffic junctions

### Advantages



high performance



reduction of investment costs



space-saving solution



easy installation