



Abstract

A Swedish company has invented a sewer technology for storm water and waste water pipes for municipal and private pipe systems under ground. This product, with its special kind of flow control, is unique on the market. The company is now looking for partners interested in technical cooperation and/or commercial agreements.

Description

This is a new, patented, technique, used to rebuild and redesign existing storm drains in urban areas. Better quality of water courses is to be gained



through a new kind of drain with a quick filter function with filter membrane and/or bark filters. The aim of this technique is to exchange the interior of existing storm drains with prefabricated parts ready to be put together to one unit. The product replaces existing sewer overflow in wood and concrete.

The module provides a double edge of the sewer overflow in the same area as existing apparatus. This means that a combined flow of rain- and sewage water to a purifying plant can be calculated with a higher accuracy. Costs can be saved thanks to the quality control of the flow. The level of water at the overflow edge can be reduced up to 37 %. This gives better margins for storm fluids caused by higher rain intensities with comparison to what other existing apparatus is dimensioned for. Reduced risk for basement flooding in buildings means that a large amount of cost can be saved.

Internal lamina plates for separating mud and floating waste improves the environment with comparison to conventional sewer overflows. It is possible to mount a filter between the edge of overflow and the internal lamina plates. The design can be adapted accordingly.

Innovations and advantages of the offer

The drain helps gaining better and cleaner environment in water courses and around cities. The innovative aspect is very much in line with what is required from a product of this kind today, particularly since environmental requirements are one step ahead

of present legislation within municipal and private management systems using storm drains for storm water and wastewater. Wherever there is a problem with contaminated wastewater, using this product is a way of improving the situation.

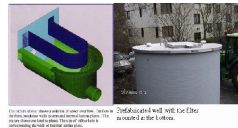
The greatest asset is the all-roundness of the product. It offers many positive aspects due to its construction such as: flow control, separation of sludge and dam levels.

Other advantages are:

- Low pressure loss
- Calculated flow to purifying plant
- Adaptable with pipes for air and flushing of internal lamina plates
- Adaptable to clean small storm water flows from oil, metals with separate filter around

Current and Potential Domain of Application

- Cleaning of rainwater from areas of bus stations, industry, harbours, boats and parking
- Separating discharge of floating mud from older sewer pipes in urban buildings





PROTECTING MAN AND ENVIRONMENT

Technology Offer

Storm drain for filtering of storm water and wastewater

(08 SE 67CJ 0JAC)



For further information (including IPR status)

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