

## The immediate solution. The obvious choice.

**Purifying storm water, at the source, in the storm water drain, is the most elegant solution to a growing problem for communities and property owners. But until now, filters for storm water drains have not caught on. They have turned out to be comparatively expensive and maintenance requiring. The filter represents only part of the cost. Installation, change of absorbents and on-going maintenance is work intensive. What to do?**

**Swedrop is the answer.** A disposable filter, which floats in the standing water of the storm water drain. Drop in – let it work – exchange. Swedrop is simply dropped in to the storm water drain, where the absorbents work on incoming water, on surface water and on standing water. The filter extracts hydrocarbons, chemicals and heavy metals from the water. Typically for a year before it is ready for exchange.

After use, the filter must be incinerated. Hence, the pollutants are removed from the water cycle rather than moved from one place to another.

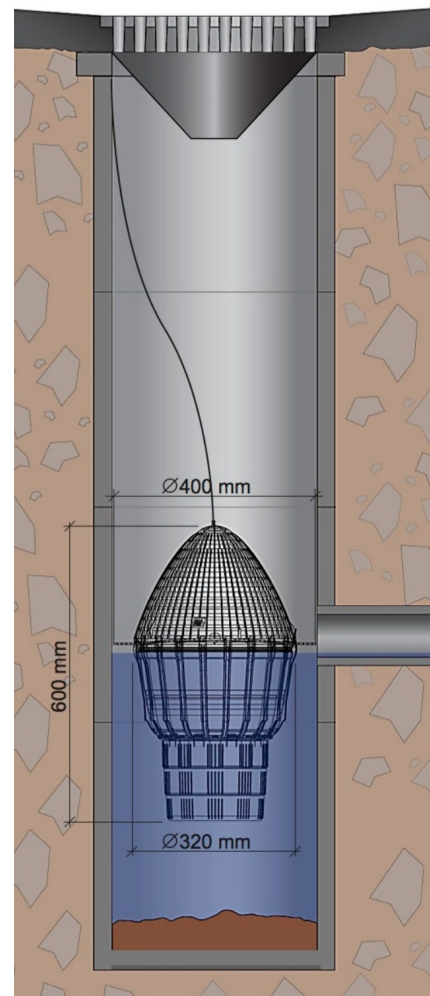
### STORM WATER SOLUTION

As modern society evolved, more and more surfaces where paved and traces of modern life ended up on the pavement. When rain falls, it is washed down into the storm water systems that are part of any populated area today. Oil, heavy metals, chemicals and hazardous compounds are washed out to some adjacent wetland, normally without any purification whatsoever. **Storm water is the forgotten pollution.**

Fortunately the world is waking up to the threat of continuous pollution from storm water systems. Within the EU, the water directive of 2000 and 2014, dictate that storm water within the member states must be of acceptable quality by 2021. This entails an efficient filtering of storm water, an arduous task, but necessary.

The disposable SweDrop storm water filter is part of the solution. Rapid, simple and cost efficient. SweDrop can be deployed without any investments in fixed equipment or plant. Simply drop the SweDrop filter into the storm water drains. Typically, after 12 months, the filter is exchanged and the used filter is sent to incineration.

Resolving the storm water problem will require a number of measures. From adapting wastewater treatment plants and building sedimentation dams and traps, to installing filters in storm water drains. For fixed installations, the maintenance cost will normally overshadow the initial investment, and continuous ▶



► maintenance is key for their utility and function. With SweDrop the maintenance cost is minimal. The filter is changed in a quick operation, which can be combined with the regular sludge removal from the drain. The used filter is placed in the same box in which the new filter is delivered and then collected for incineration. Could it be any easier? SweDrop is not only a filter, but also an environmental process.

## INNOVATIVE FILTER, WELL-KNOWN MATERIALS

SweDrop, the disposable floating storm water filter is an innovation that dramatically changes the cost structure of cleaning storm water at the source, in the storm water drain. But no chain is stronger than the weakest link. This is why we use well-established ad/absorbents. Materials that have proven themselves practically as well as in scientific studies.

- **Polypropylene fibre** is also used in oil booms and in cleaning process water from hydrocarbons.
- **Active coal** is probably the most common adsorbent of polluting compounds in general. We use granules that optimize flow rate and exposed area.
- **Furnace slag**, crushed and fractioned, is an excellent adsorbent of heavy metals as well as phosphorus and ammonium. Moreover, it forms a strong bond to the adsorbed

## CONTACT US

We work continuously to develop SweDrop to be the self-evident platform for cleaning storm water. Special needs may require special absorbents or different geometries. Contact us now to discuss your storm water challenges.

