



SVENSK PUMPSTYRNING AB  
S Ä K E R S T Y R N I N G

## SPS-U FLOW EQUALIZATION

FOR UNEVEN LOADS TO SEWAGE SYSTEMS

Flow equalization can be advantageously used where there is a very uneven use, for example: village halls, churches, assembly halls, party venues, motor stadiums, where there is a high load on the drain only for a few days or a few hours a day a week.

It is common to dimension a drain for a larger property according to how it is fire rated. This means that if the property is approved for 150 people, the drain must handle that load. Instead of building a treatment plant that can handle 150 people, you instead choose a treatment plant for, for example, 20 people with a flow equalization instead. The cost is significantly less and you get a treatment plant that is loaded evenly over time and that works more efficiently.

### ***How does it work?***

We do a thorough planning of how the situation is with the maximum number of users over a week, a month, a year, how many toilets, showers and kitchens there are. Next we gather all the information into our parameters. In this way, a flow chart is produced that determines the size of the treatment plant and leveling steps.

Once the facility is installed, the flow chart is entered into the SPS, Svensk Pumpstyrning Ab's patented control system. The control system controls the pump which portions out the waste water according to the settings and the level in the tank on to the treatment plant. You then have a connection to our database Septikcon where you can clearly see how much water that goes out to the treatment plant and the degree of filling in the equalization tank. We can also remotely control certain functions from the office if necessary.

## DESCRIPTION

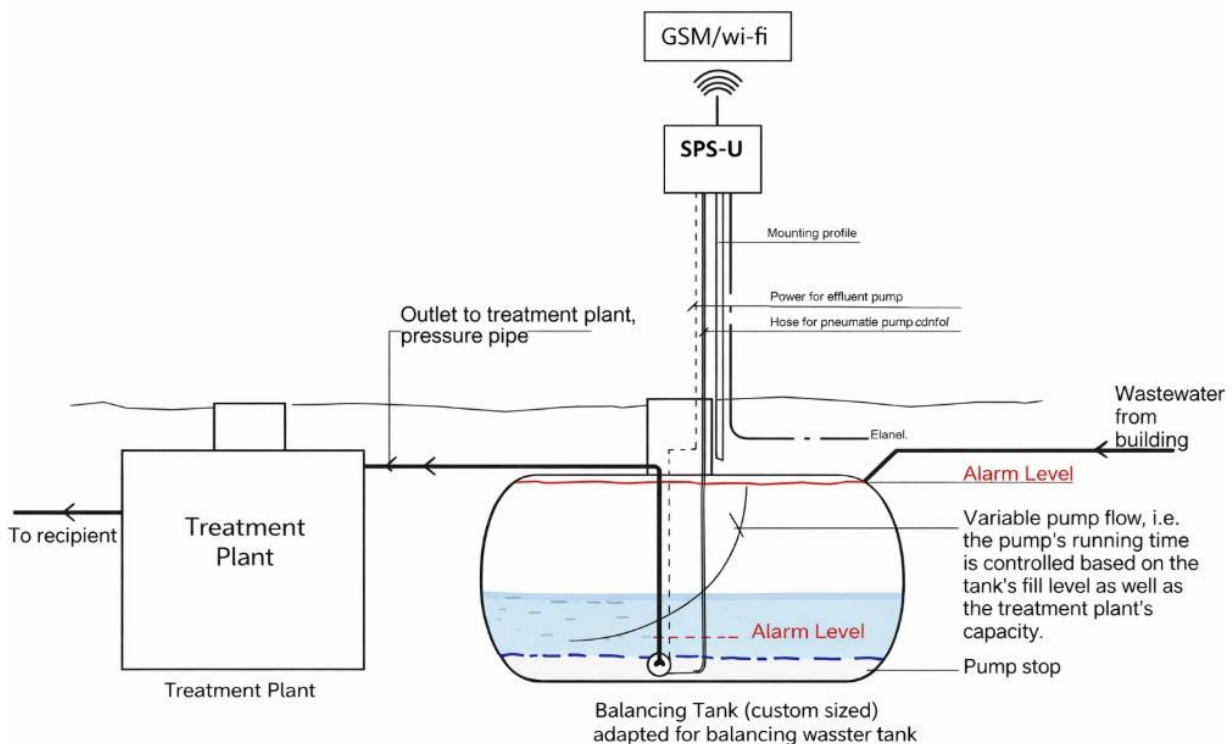
### ***Delivery***

The leveling step SPS-U is delivered in a complete unit with a mounted drain pump and automatics. Only electrical connection to SPS-U and outlet to treatment plant is required.

### ***Function***

The pump operation takes place automatically via a pneumatic pressure control so that the treatment plant receives just the right amount of sewage for the treatment process to be optimal. SPS-U is connected to the GSM network/wifi and by that the operation can be controlled and monitored via its own website called Septikcon. You get your own login.

On delivery, the values for pump stop, alarm and pump operation data are set and adapted to the current capacity of the treatment plant. Setting can be adjusted in SPS-U or via web. There are no level switches in the system.



As a customer, you get:

- Delivery of complete leveling step incl. control system in an outdoor cabinet.
- A login in our database where you can see the operation and get history
- Full support at start-up and during the break-in period.

We also perform:

- Planning and installation.
- Sale of treatment plants.
- Feel free to contact us and we will tell you more about our products.



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[www.svenskpsab.se](http://www.svenskpsab.se)