



STRAWBERRY GROWER'S SUCCESSFUL SEARCH FOR DRAIN WATER DISINFECTION

The strawberry grower

This strawberry grower produces about 8,000,000 kg of strawberries per year in 8 different types of varieties. The strawberries are grown in greenhouses, on racks and in the open ground. This creates different types of drain water and proper disinfection of this water is therefore a 'must'. Especially since the water management legislation is becoming more stricter.



The question

Due to the colourization that comes with the substrate and the addition of nutrients, the water is often less transparent from coco peat and disinfection requires a different approach. There was also a need for flexibility. A standard solution was therefore not obvious, so a customized system had to be found.

VGE B.V.
Nieuwe Eerdsebaan 26
5482 VS Schijndel the Netherlands

Tel. +31 88 222 1 999
Mail: info@vgebv.nl
www.vgepro.com

**"The VGE ProfiClean
Disinfection System makes
growers future-proof."**

The solution

Together with one of our partners, VGE has designed a UV disinfection system. The system has been installed for an area of 16 hectares in total and disinfects the drain water with a maximum of 25 m³/h. An advanced PLC with touch screen automatically controls the flow and continuously calculates the transmission of the water.

Sensors continuously measure the water quality, after which, if necessary, the pump capacity is automatically adjusted to extend the contact time. This ensures better treatment with a higher disinfection result.

There is an automatic filter in the unit and because an acid flush is built in, the quartz glasses in the UV systems are cleaned automatically. All this means that the grower can rely on a continuously running installation that regulates and maintains itself completely.

In this way, all wishes were granted and the strawberries can find their way to the customer in a sustainable way.

VGE **PRO**
UV DISINFECTION SOLUTIONS