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# Water and Waste Water Systems

We must be especially careful with our drinking water. It is, therefore, equally important that we are mindful of our waste water treatment.

The Water Works in the Netherlands must adhere strictly to the standards of the drinking water quality laws. The water sanitation organizations are responsible for the quality of the waste water, which flows into rivers and canals.

## Automation of waste water treatment plants

Continuous waste water disposal requires constant control and regulation. This can only be accomplished by automated processes. Georg Fischer offers a number of components, which make such automation possible. Actuated valves, measurement and control systems, as well as pumps are available in a variety of materials.

The Rossmark company in Almelo has a great deal of experience in the application of our products. The dosing plant for lyes and acids was built with polypropylene (PP) pipes and contains, for example, pneumatically actuated diaphragm valves. It is also equipped with a position indicator for actual indicating purposes. With these devices, the actual conditions are visible directly on site. The Rossmark company was responsible for the engineering and installation of this plant. Here, the solids and radioactive materials are removed first, before the water is discharged.

## Turning rainwater into drinking water

Rossmark operates several innovative installations in Holland based on their successful test plants. Georg Fischer products were chosen because the product mix is so diverse and inclusive (fittings, valves, other components) and also because a wide range of materials is available (PVC, ABS, PP, PE, PVDF).

The chemical applications, which vary a great deal, pose no problem since the customer can rely on the know-how of Georg Fischer in Epe as well as in Schaffhausen. Soil contamination and newfound knowledge make it necessary for the water works to adjust and/or replace their water treatment processes accordingly.

The development of new technologies and systems is a core activity at Rossmark. For example, they developed a special technology based on membrane filtration for a drinking water plant.



*An example of a dosing plant for lyes and acids, which is made of polypropylene with pneumatic diaphragm valves.*