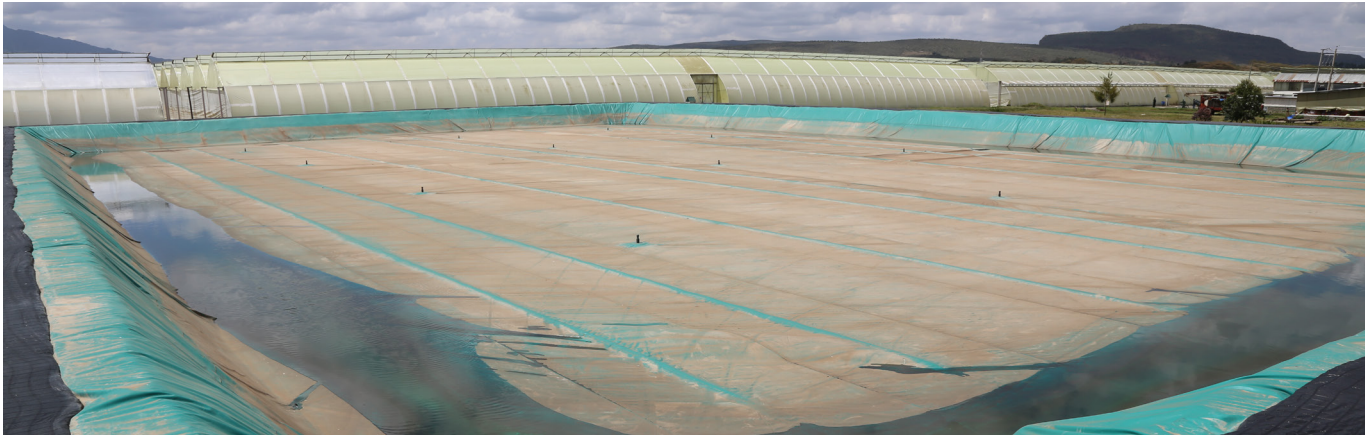


Fully closed water reservoir



In countries that suffer extreme temperatures, a fully closed water reservoir is increasingly chosen for the storage of irrigation water. This minimises the external influences on water quality. Such a system is the best solution against algae growth or contamination due to sand or other dirt. But wave formation and evaporation are also prevented for maximum utilisation of the storage capacity.

The fully closed water reservoir consists of a combination of a bottom geomembrane liner and a floating cover which are both anchored in a trench on the crown. As standard, the floating cover is made of a reinforced geomembrane liner and is equipped with extra buoyancy and ventilation units to allow any trapped air/gas to escape. Depending on the location and usage of the water, a choice is made for which geomembrane is most suitable. For locations with higher temperatures, we generally advise a reinforced type of geomembrane liner with high UV-resistance.

Technical data

- Combination of a liner and a floating cover, both anchored in a anchor trench at the crown
- Floating cover is made of reinforced geomembrane
- Floating cover is equipped with additional buoyancy and venting units to release enclosed air or gas

Options

- Use of different types of geomembranes
- Complete system including slope protection for the outer dike



- ✓ Maximum utilisation of storage capacity
- ✓ Maintain water quality
- ✓ Low-maintenance system

Would you like more information?

Go to [genap.nl/en](https://www.genap.nl/en) or contact us directly to discuss the options.

