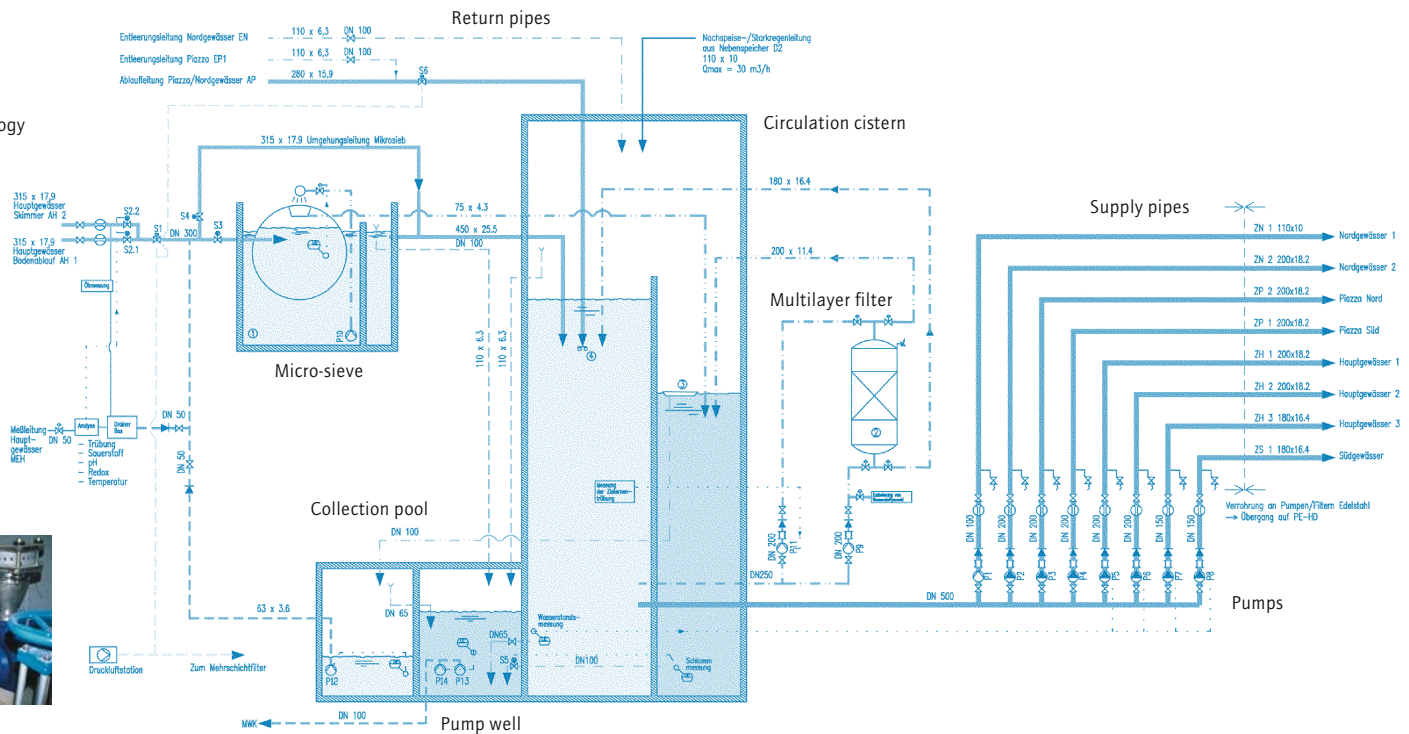


From the idea to the finished object

Operational diagram for circulation technology



to the circulation tank, and should ideally be able to filter about 50 % of the total water in circulation.

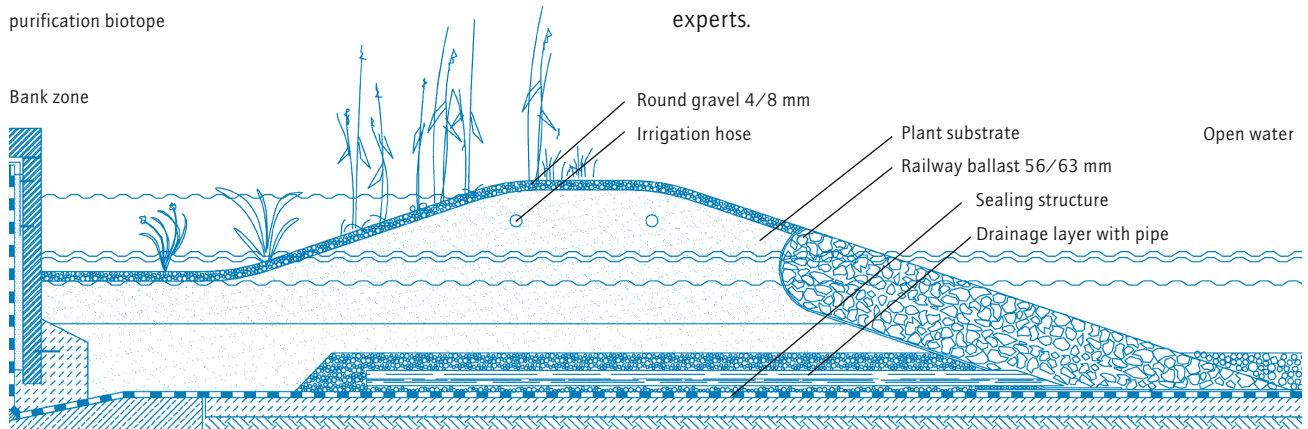
We have found that naturally developed sand or bottom filters, here called purification biotopes, are suitable for many water features. They are particularly appropriate for features and systems that allow the watercourse to develop naturally to a certain extent, and that have sufficient space available. They have various advantages; they form second-hand biotopes, do not need any additional energy and are not expensive to maintain. As with any other planting, dead vegetable matter and foreign bodies have to be removed from time to time. The winter months are most suitable for this.



Section through purification biotope

Purification biotope

Bank zone



**Regulation and monitoring:** Every water system needs regulation. This ensures that the various input points are provided with the appropriate quantities of water at the required time. When the water level drops in the cistern or the body of water an electrical or mechanical sensor should monitor the water level and ensure that the necessary extra water is fed in. The control boxes and all the meters should always be installed above maximum water level in a separate shaft or in the cellars of an adjacent building. In the case of larger and more complex features there will be meters for certain parameters like pH value, temperature, oxygen content or nutrient levels in the water, working continuously or sporadically. These values then form a basis for precise analysis of the water. Some clients like the feature to be monitored so that they can optimize development and also the maintenance of the system and the related costs on the basis of suggestions from experts.