

Heber Water Transfer – Lorsch

Application market	Construction
Market segment	Canal & Well Renovation
Pumped medium	Wastewater
Pump product	Heber 2000
Country	Germany



Challenge

A new building was planned for one of the collecting basins to the “Lorsch” pumping station. For this purpose, it had to be possible to temporarily transfer the peak loads of more than 4,000 litres per second that occur during rainy weather to the pumping station, with a pumping system that was as economical and yet reliable as possible.

Solution

With the **Heber 2000 water transfer system**, it was possible to provide a virtually optimal system for the task, with a short installation and commissioning period. The intelligent concept uses the principle of hydrostatic pressure of connected vessels and requires no additional drive energy. A comprehensive monitoring and control unit ensures infinitely variable operation, which can be adapted to the volume of water at any time. A completely welded siphon pipe with a nominal diameter of 1'400 millimeters made of steel was built for the large volume of water.

Benefits

Lifting system **Heber 2000** is used where large volumes of water need to be conveyed, even over long distances, typically in new construction and renovation projects. The low technology effort also means a low energy requirement, which enables extremely economical and cost-effective operation.

- High reliability, thanks to a simple, blockage-free conveying system
- Low energy requirement, resulting in low operating costs

Quantity of units sold	1 piece
Pump type	Heber 2000 – pipe diameter DN 1'400 mm
Motor data	not required
Material combination	Steel pipe system
Duty point	Flow : max. 4'130 litres per second / Difference in water levels : 1.4 meter
In operation since	from October 2021 to May 2022 (rental period)