

Recovery Sewage Plant Griesheim

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



Challenge

The three screw pumps in the inlet lift station of the "Griesheim" sewage treatment plant had to be renovated. A reliable temporary solution had to be found for the incoming wastewater, which amounts to a maximum of 100 litres per second in rainy weather.

Solution

A temporary solution consisting of two units of **Hidrostal Screw Centrifugal Submersible Pumps** with internal cooling was quickly and easily provided and put into operation. A solution with dry pumps installed freely above the inlet basin was deliberately chosen. With the associated vacuum system, the existing suction head could be overcome quickly and reliably during each pumping process. The system was completed with a control container, including remote monitoring and with the required discharge line with nominal diameter of 250 millimeters and overall length of 35 meters, robustly constructed from steel pipes.

Benefits

Thanks to a large fleet, **Rental Pump Systems** offer a high degree of flexibility in their selection. Almost any conveying task can be solved – customized to the respective requirements. Including the necessary energy supply, control solution and any required vacuum system.

- Complete, robust and reliable solution for the conveying task from a single source.
- High flexibility in the construction of temporary wastewater transport systems.
- Reliable and trouble-free operation thanks to clog free pump with large free passage.

Quantity of units sold	2 pieces
Pump type	F06K-H03R + FFM1X
Motor data	IEC 200 / 30 kW / 4-pol
Material combination	Cast iron pump body, Hidrohard wear parts and stainless-steel impeller
Duty point	Flow : 100 litres per second / Head : 4 meter
In operation since	from June to September 2020 (rental period)