

Mobile Pump Saalfeld

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



Challenge

At the Saalfeld sewage treatment plant, a new connecting siphon water intake had to be built between the grit chamber and the primary treatment. A simple but reliable pump solution, including the necessary transport pipe, was required for the temporary pumping of the incoming wastewater.

Solution

The required temporary solution, consisting of a total of three pump units, was quickly provided. A **Submersible pump** type E125-H, submerged in the grit chamber and a mobile pump unit **SuperBetsy** type E 150-EHMN with integrated Hidrostaal Screw Centrifugal Pump and electric drive each took over part of the basic load. A **SuperBetsy** type D 200-ESL mobile pump unit with diesel drive, the suction line submerged in the outlet channel of the grit chamber, could be switched on for the peak loads. With a common pressure pipe made of PE plastic, nominal diameter 300 millimetres and a total length of 115 meters, a secure connection between the two basins was quickly established.

Benefits

With the **SuperBetsy** mobile pump unit (IPS), temporary pumping tasks such as this one can be completed with ease and a high degree of reliability.

- High flexibility in providing complete solutions for temporary wastewater transport systems.
- High operational reliability thanks to the robust and virtually blockage-free pump.

Quantity of units sold	1 pcs. Immersible pump 1 pcs. mobile Pumps SuperBetsy Type IPS E (Electric drive) 1 pcs. mobile Pumps SuperBetsy Type IPS D (Diesel drive)
Pump type	E125-H Immersible E 150-EHMN with Screw Centrifugal Pump E06R-HMN3R D 200-ESL with Screw Centrifugal Pump E08R-SLU3R
Motor data	E125-H n. a. E 150-EHMN – max. 30 kW / 1'500 rpm D 200-ESL – max. 43.7 kW / 1'800 rpm
Material combination	Cast iron pump body, Hidrohard wear parts and stainless-steel impeller (Pump)
Duty point	E125-H – Flow : n. a. / Head : n. a. E 150-EHMN – Flow : max. 133 litres per second / Head : max. 40.5 meters D 200-ESL – Flow : max. 193 litres per second / Head : max. 28 meters
In operation since	April 2022 (rental period)