

Well Pointing Mobile Pump SuperBetsy

Application market	Construction
Market segment	Dewatering & Drainage
Pumped medium	Groundwater
Pump product	Mobile Pump SuperBetsy
Country	Netherlands



Challenge

Well pointing is a highly efficient method of controlling and if needed, lowering groundwater levels and is often used to keep building sites or building pits dry. This demanding task, where usually a considerable amount of air, as well as a high amount of dirt and solids is present in the pumped liquid primarily requires a suitable, self-priming and robust pump with a powerful vacuum system.

Solution

Use of the mobile pump unit **SuperBetsy** with Diesel drive, soundproof housing and highly efficient priming system, the only mobile pump system with integrated Hidrostat Screw Centrifugal Pump. The Well Point system consists of a series of well points arranged in a trench or pitch, brought together into a collector pipe towards the pump. The water is sucked in by generating a vacuum and then pumped out from the pump through the collector pipe.

Benefits

With its outstanding non-clogging and good suction capabilities, as well as a high wear resistance, the Hidrostat pump easily withstands the extreme conditions present in this application. Hidrostat is preferably used when other pumps fail. The use in the mobile pump system **SuperBetsy** makes the Hidrostat pump an almost unbeatable unit.

Quantity of units sold	2
Pump type	SB100-DS mobile pump with integrated D04R-SMN Screw Centrifugal Pump
Motor data	14 kW / speed range 1'500 rpm to max. 2'100 rpm
Material combination	Cast iron pump body and wear parts (Screw Centrifugal Pump)
Duty point	Flow : from 13 to 60 litres per second / Head : from 3 to 28 meters
In operation since	2009