



VX series: Reliable and economical sludge pumping

Case Study - Texas A&M



Problem

High operation costs when using progressive cavity pumps

Solution

Vogelsang rotary lobe pump VX136-70Q

The customer and the problem

Texas A&M WWTP was unhappy with the progressive cavity pumps used to transport sludge. These pumps required a great deal of space, and maintenance and service was difficult. This meant the entire pump needed removal when performing major repairs. In addition to leaks of the gland seals, there were also frequent dry running problems, which required time consuming and expensive repairs to the stator and rotor.



Vogelsang rotary lobe pump VX136-70Q

The solution

Texas A&M tested the Vogelsang VX136-70Q rotary lobe pump and were impressed by the results. In the belt-driven pump version, it requires extremely little floor space. In contrast with progressive cavity pumps, the QuickService design allows maintenance and service work to be performed on-site without dismantling the surrounding pipes or even the entire pump. The mechanical face seal is also significantly more reliable than the old gland seal and can be easily tested using quench fluid in the buffer chamber. However, they were most impressed by the great resistance to dry running, which allows air to be evacuated from pipes that have run empty. Expensive repairs to rotors or stators are now a thing of the past.



Vogelsang VX series

Advantages of the VX series

- Compact design, low space requirement
- Self-priming and dry-running resistant
- Extremely easy to service and maintain

Benefits for the user

- Reduced operation costs
- Reliable sealing system, possible to monitor with quench fluid
- Potential to evacuate air from pipes that run empty

Mentioned Vogelsang product

[VX series: Rotary lobe pump for every application](#)



Mentioned Vogelsang product

[VX series: Drehkolbenpumpen für Abwasser-Anwendungen](#)



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