

XRipper® XRS186-260QG: Shredding of coarse matter for trouble-free pumping of wastewater

Case Study - Environment agency in Osan



Problem

Blockages and clogging in centrifugal pumps caused by coarse matter in the wastewater

Solution

XRipper XRS186-260QG – designed specifically for installation in shafts

The customer

The environment agency in Osan (South Korea) operates the local sewage treatment plant and monitors the sewer system. The wastewater generated by a local village is collected in a tank and pumped to a basin situated higher up from where it then flows to the sewage treatment plant by the force of gravity. To this end, three submersible pumps are installed in the pumping station. Together they achieve a delivery rate of 200 m³/h.

The problem

In order to prevent interruptions in operation and malfunctions as a result of coarse matter such as textiles, wood and plastic, twin-shaft grinder produced by a Korean manufacturer were also installed.

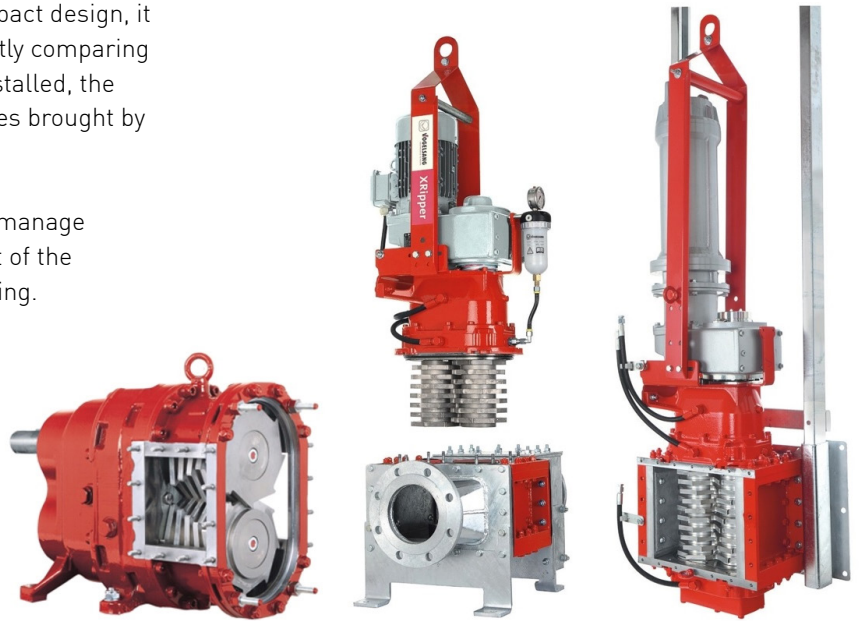
However, their performance proved disappointing and the environment agency in Osan started looking for an alternative solution, one that could also be implemented in the narrow shaft without any trouble.



The solution

It opted for the XRipper XRS186-260QG, which was to be used in a six-meter deep shaft. Due to its compact design, it could be installed without any problems. Directly comparing it with the second competitive machine still installed, the customer could immediately see the advantages brought by the XRipper XRS186-260QG.

The XRipper XRS-QG is quieter and can easily manage greater volumes of wastewater. The QG variant of the XRipper also allows for quick and direct servicing.



Twin-shaft grinder for sewer and WWTP

Advantages of the Vogelsang XRipper®

- Economical shredding of solid and disruptive matter such as wet wipes, wood, fabric, trash, and waste
- Efficient protection for pumps and system components from clogging, blockages, and damage
- Always ready for operation thanks to straightforward maintenance
- Added reliability thanks to cartridge mechanical seal technology

Mentioned Vogelsang products

[XRipper: Twin-shaft grinder for sewer and wastewater treatment plants](#)



Mentioned Vogelsang product

[XRipper: The wastewater grinder for wastewater applications](#)



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