



XRipper®: Comfortable food waste disposal

Case study: Food waste disposal in high-rise-buildings



Problem

High costs and space requirements for the installation of shredder and pump systems

Solution

Treat and convey food waste with XRipper Combi XRS136-140/105Q which needs less space and is easier to service

The customer and the problem

The typical housing is apartments in Korea. Food waste is traditionally disposed of by using garbage bags into a container. This is accompanied by foul-smelling liquids and odors in the buildings. Modern residential complexes avoid this by providing an inlet for food waste disposal on each floor or in each apartment. The organic waste collected in a tank is then shredded and pumped into a disposal vehicle.

The problem

This type of disposal requires a system consisting of a collection tank, a robust and powerful shredder and a pump that can pump both viscous and thin fluids while is resisting against foreign bodies. All these components require a lot of space, which is usually not available. Installing such systems in confined spaces is complex and expensive. Service and maintenance are complicated and costly.



The solution

The XRipper Combi is the ideal solution for this application. The extremely compact combination of shredder and rotary lobe pump requires significantly less space and only one drive is needed for both functions. Overall, it is much easier and quicker to install. This leaves more space for service and maintenance work, which can be carried out quickly and easily on site thanks to the QuickService design. After removing the cover, the ripper rotors in the shredding chamber are accessible.



Advantages of the XRipper®

- Compact size
- Only one drive for shredding and pumping
- QuickService design

Benefits for the user

- Reduced space requirements for the disposal system
- Less cost for installation as well as maintenance and service
- Reliable shredding and pumping of the food waste

Mentioned Vogelsang product

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



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