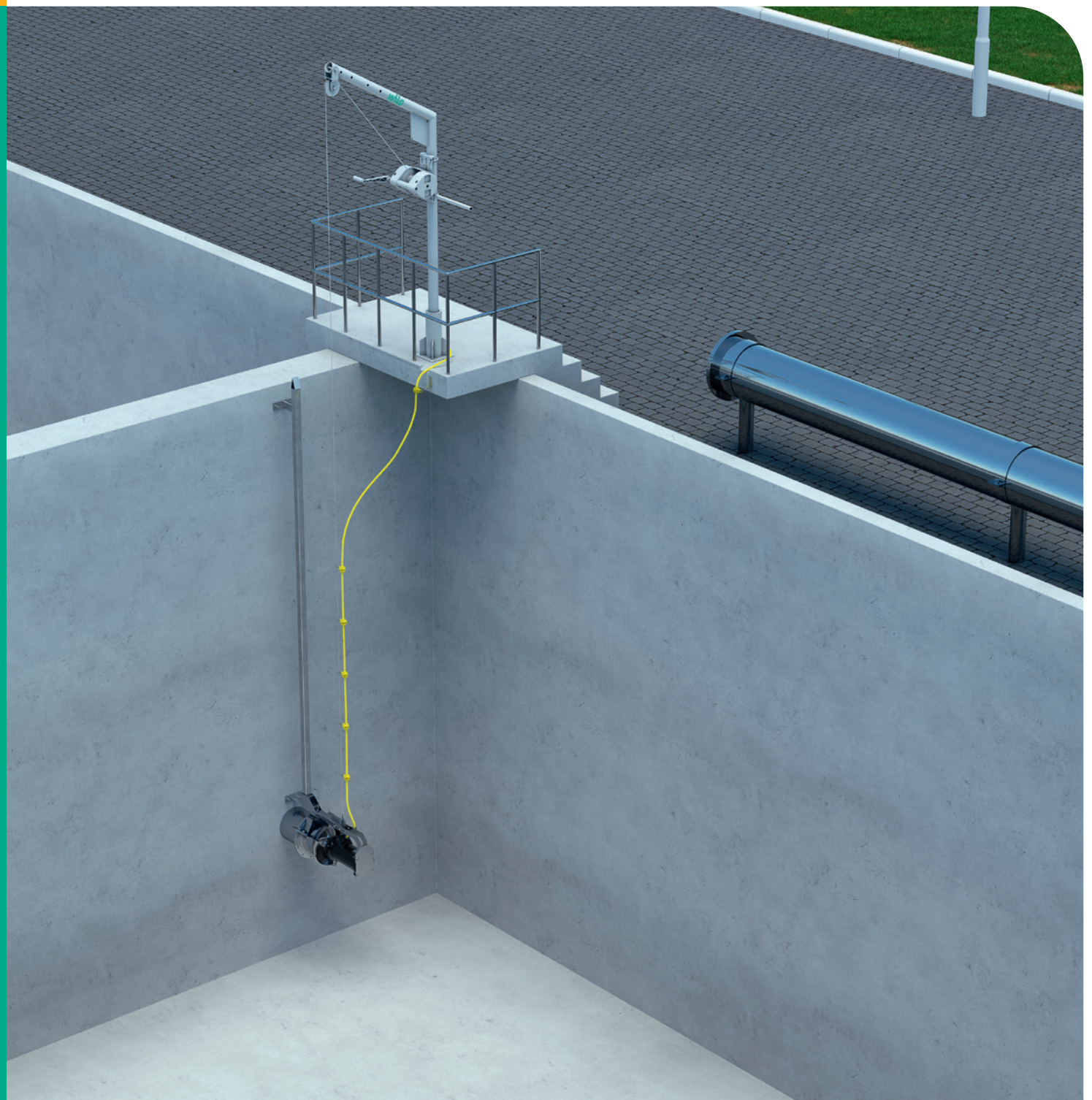


*Product information*

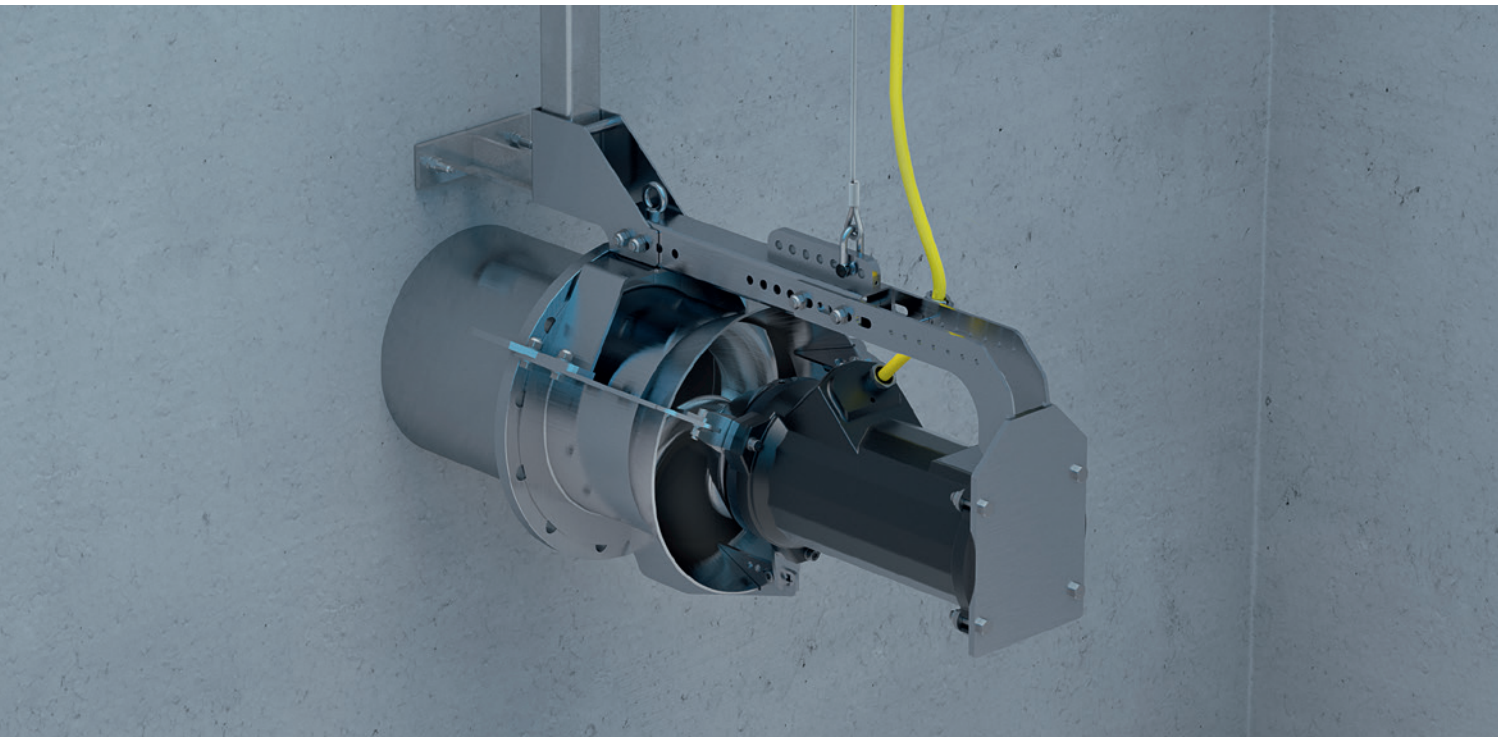
**Wilo-Flumen EXCEL-RZPE and Wilo-Flumen OPTI-RZP.**

Reliable sewage transport in wastewater treatment plants with high volume flow and low delivery heads.



## Operational reliability you can trust.

Efficient return flow between various basins with Wilo recirculation pumps.



### Optimal performance and cost-efficiency

The Wilo-Flumen OPTI-RZP and Wilo-Flumen EXCEL-RZPE series are used in biological wastewater treatment. During the upstream denitrification and cascade denitrification process, the sewage flows out of the mechanical cleaning stage, and the return activated sludge from secondary treatment first flows into the denitrification basin, and then from here into the downstream nitrification basin. Recirculation pumps from Wilo efficiently pump the nitrate-containing sewage from the nitrification basin back into the denitrification basin.

The new, highly efficient Wilo-Flumen OPTI-RZP and Wilo-Flumen EXCEL-RZPE series ensure reliable continuous operation. Wilo recirculation pumps are configured taking into account customer-specific requirements, existing pipe diameters and necessary volume flow. Installation can also be carried out on existing pipes using specific connections and adjustment options on the flow housing. Wilo-Flumen OPTI-RZP and Wilo-Flumen EXCEL-RZPE are ideally suited for continuous operation thanks to the use of stainless

steel investment casting propellers and are service-friendly thanks to their modular design. The use of IE3 motor technology in the Wilo-Flumen EXCEL-RZPE series also reduces the energy costs of a wastewater treatment plant.

### You benefit from:

- Reliable, continuous operation that is non-susceptible to clogging due to highly efficient recirculation pumps
- Customer-specific configuration taking into account the different pipe diameters and volume flows
- Controllable operation in conjunction with a frequency converter to adjust the speed and volume flow
- Adaptable to already existing pipes
- High operational reliability thanks to propeller material in stainless steel investment casting
- Simple installation and removal – even when the basin is filled – due to lowering devices and screwless coupling during installation without loosening fixed connections
- Energy cost savings thanks to IE3 motor technology and high pump efficiencies (motor and hydraulics)



## Process reliability thanks to adaptation to changing system conditions.

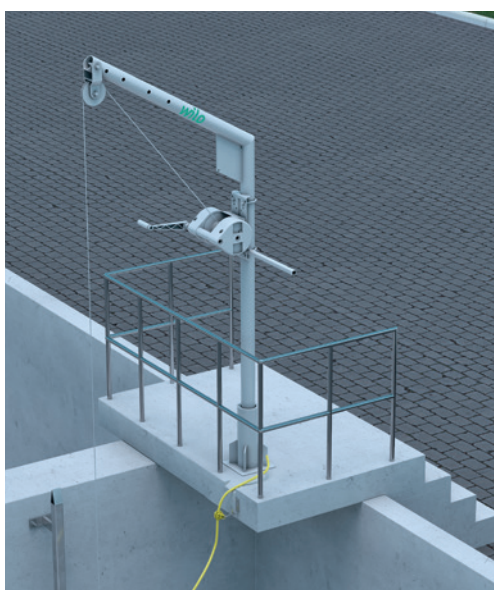
Wilo-EFC: external frequency converter.

To ensure the best possible process reliability and for load- and demand-based control to adapt to changing system conditions, the Wilo-Flumen OPTI-RZP and Wilo-Flumen EXCEL-RZPE can be equipped with a Wilo-EFC frequency converter.



## The right accessories for your process.

Lowering and auxiliary lifting devices.



Thanks to the perfect configuration and selection of practical accessories in accordance with the requirements of your wastewater treatment plant – when it comes to positioning and installation, you will always be on the safe side.

### Lowering devices

- for optimal positioning
- sophisticated technology and robust materials

### Auxiliary lifting devices

- for safe installation
- sophisticated technology and robust materials
- can be used quickly due to easy installation

We will be happy to support you and help you configure the suitable equipment for your Wilo recirculation pump.



Pioneering for You

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