



**System S&P**<sup>®</sup>  
The Natural Wheel  
Compact Module Sewage Plants



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**Phosphate Elimination**

## Phosphate Elimination

Phosphate elimination is becoming increasingly important for wastewater treatment plants.

The biological stage removes between 30 % and 50 % of the phosphate from wastewater. In order to meet regulatory limits of 2 mg/l or less, the remaining phosphate must be removed using chemical procedures.

The precipitation is possible with different means. Depending on the hardness and pH of the water, for example aluminum sulfate, ferric chloride or lime may be used.

Finding the correct combination of precipitant, dosing system and quantity is important when selecting the most suitable technology.

Other factors include choosing the right location for the dosing point within the plant, and the method of mixing the precipitant with the wastewater. These factors are essential for the formation of large, fast-sinking sedimentary particles that can easily be removed from the water in, e.g. a lamella separator.

**System S&P** offers phosphate precipitation technology tailored to the customer's needs and suitable for both new plants as well as for retrofitting old systems.



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