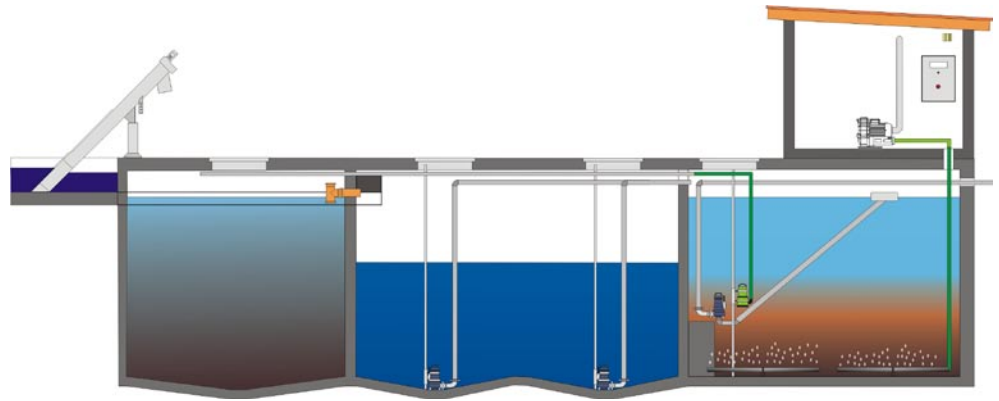


Valuably water, optimal used

CLEAR WATER

The SBR - Water Treatment Plant



EVERYTHING FROM A SINGLE SOURCE

- Planning, structural analysis, skin and reinforcement plans
- Supply and installation of the machine equipment
- Training and bringing into service
- Maintenance

REMOTE MONITORING

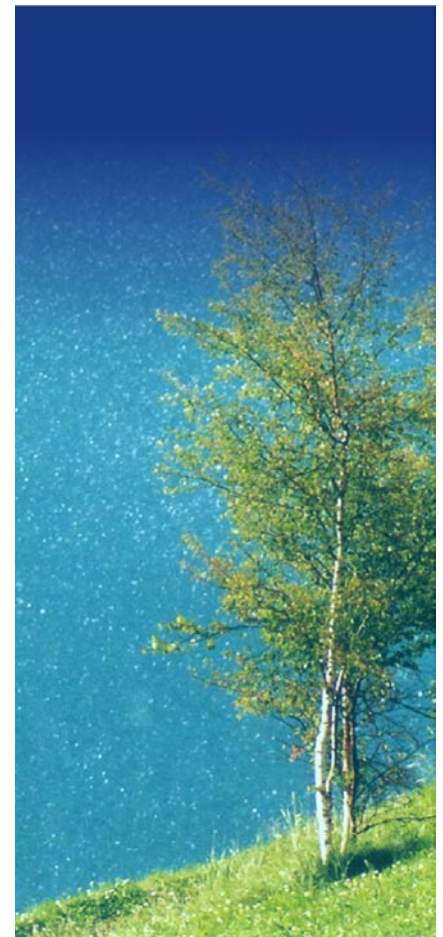
- Fault reporting by SMS
- Remote parameterisation
- Automatic operational accounting

HIGH PURIFICATION PERFORMANCE

- Nitrogen elimination
- Phosphate elimination (optional)

LOAD FLUCTUATIONS

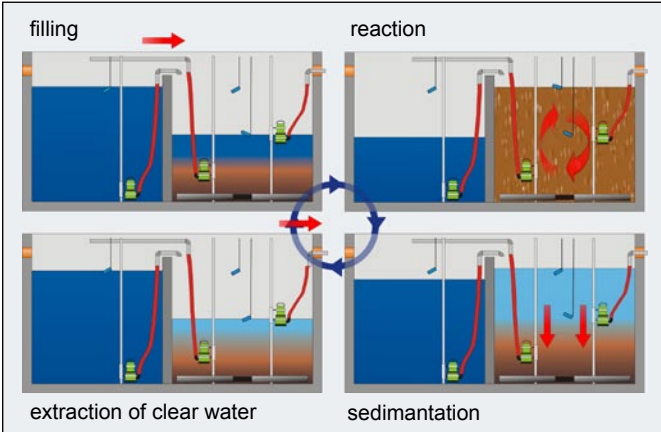
- Ideal where there are load fluctuations, for example for hotels with seasonal operations, industry, etc.



CW S
sludge
stabilisation

Valuably water, optimal used

Functional specification Clear Water SBR - CW S



The sewage treatment plant consists of spiral sieve, equalisation tank and the SBR reactor. Particles larger than 3 mm are removed in the spiral sieve. The removal of these particles makes it possible to use the clear sludge. The waste water flows into the equalisation tank, and is stored there.

It is then pumped into the SBR reactor. There, the waste water is biologically purified with micro-organisms.

The treatment is carried out in four phases: filling, reaction, sedimentation, and extraction of clear water.

Scope of supply

- System proposal
- Sewage treatment cost estimation
- Installation diagrams
- Supply of the precast concrete-parts
- Installation of the machine equipment
- Bringing into service
- Technical training
- Technical Documentation
- Maintenance

Product range

The Clear Water SBR sewage treatment plant is manufactured in different sizes for populations of from 50 to 5.000

and is available in the following system variants.

CW B

Complete, in precast concrete parts construction with preliminary sedimentation and SBR reactor.

CW T

Technical equipment for rectangular tanks with preliminary sedimentation and SBR reactor.

CW S

Technical equipment for rectangular tanks with preliminary sedimentation and SBR reactor with sludge stabilisation and sludge storage tank.

The sewage treatment plant is suitable for nitrification and denitrification. We offer the following system extensions:

P-elimination, disinfection, process water supply, sludge humification

Remote maintenance

Control of the SBR sewage treatment plant Clear Water is equipped with a modem as standard.

The control unit sends operational data to a central server at regular intervals. The following data can be called off by the operator over the Internet:

- hours of operation
- annual data series curves
- parameters
- error messages

The results of the self-checks are entered into the operations log online by the operator:

- analysis results
- sludge level measurements
- records.

This detailed overview makes it possible to optimise the configuration of the sewage treatment plant.

Advantages

- High purification performance
- Good resilience to load fluctuations
- Robust engineering
- Easy to maintain and repair
- Automatic operational accounting
- Electronic fault reporting
- Remote monitoring