



## BiosS-Treat

### Description:

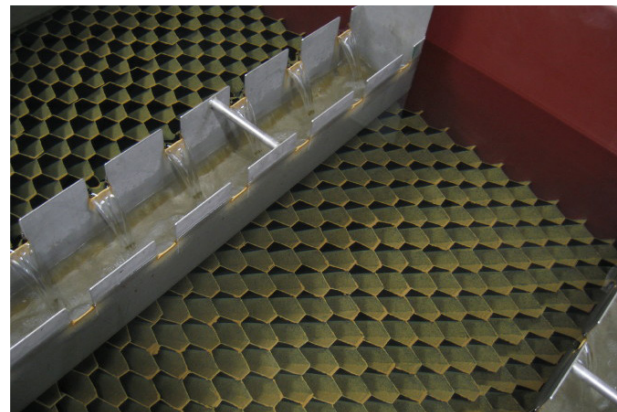
Reverse Osmosis RO is widely applied for any desalination process. Even low concentrations of biodegradable organic compounds can quickly block a complete system by forming biofilms on the membrane, clogging the system. A common approach is an extended mechanical pretreatment by ultrafiltration or the use of toxic chemicals to avoid any organic action.

The patented BiosS-Treat combines a precipitation step with a subsequent biological active filtration. This way, substances responsible for fouling are removed. This is supported by a soft dosing of chemicals. Results show a very reliable and safe operation of subsequent RO-units, even when SDI values are still high.

Different customers rely on this approach as a pretreatment to RO and have experience for several years. Plants are placed both in China and Europe.

### Advantages:

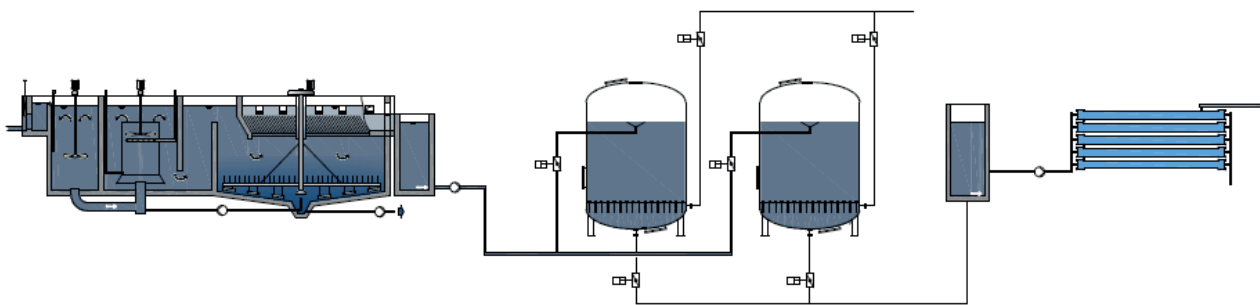
- ▶ Safe pretreatment for RO as an alternative to ultrafiltration.
- ▶ Compact design.
- ▶ Patented process.
- ▶ More than 5 references for BHU.



*Clear water overflow*

**Technical data:**

- ▶ Volume flows between 100 and 3,000 m<sup>3</sup>/h for each system.
- ▶ Design both in concrete and steel possible.



LHPS

Bio Filtration

Reverse Osmosis

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